

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

**FORM 10-K**

(Mark one)

Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934  
For the fiscal year ended December 31, 2023

Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934  
For the period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number 0-25466

**CYCLO THERAPEUTICS, INC.**

(Exact name of registrant as specified in its charter)

Nevada	59-3029743
(State or other jurisdiction of incorporation or organization)	(IRS Employer Identification No.)
6714 NW 16th Street, Suite B, Gainesville, Florida	32653
(Address of principal executive offices)	(Zip Code)

Registrant's telephone number, including area code: (386) 418-8060

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Trading Symbol(s)</u>	<u>Name of each exchange on which registered</u>
Common Stock, par value \$.0001 per share	CYTH	The Nasdaq Stock Market LLC
Warrants to purchase Common Stock	CYTHW	The Nasdaq Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding twelve months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act.) Yes  No

As of June 30, 2023, the aggregate market value of the registrant's Common Stock held by non-affiliates was \$17,225,521 based on the closing price of the Common Stock on The Nasdaq Capital Market on such date.

As of March 15, 2024, there were 28,715,740 shares of registrant's Common Stock outstanding.

#### DOCUMENTS INCORPORATED BY REFERENCE

Portions of the Registrant's definitive proxy statement relating to its 2024 Annual Meeting of Shareholders are incorporated by reference into Part III of this Annual Report on Form 10-K where indicated. The Registrant's definitive proxy statement will be filed with the SEC within 120 days after the end of the fiscal year to which this report relates.

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**CYCLO THERAPEUTICS, INC.**  
**ANNUAL REPORT ON FORM 10-K**  
**For the Year Ended December 31, 2023**

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This Annual Report on Form 10-K contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended ("Exchange Act"), and are subject to the safe harbor created by those sections. For more information, see "Cautionary Statement Regarding Forward-Looking Statements."

The information contained on or connected to our website is not incorporated by reference into this report.

We are a "smaller reporting company" as that term is defined in Rule 12b-2 promulgated under the Exchange Act. Accordingly, this report reflects the scaled reporting requirements of smaller reporting companies as set forth in Regulation S-K, promulgated under the Exchange Act.

#### CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This Annual Report on Form 10-K contains forward-looking statements that reflect our current expectations about our future results, performance, prospects, and opportunities. These forward-looking statements are subject to significant risks, uncertainties, and other factors, including those identified in "Risk Factors" above, which may cause actual results to differ materially from those expressed in, or implied by, any forward-looking statements. The forward-looking statements within this Annual Report on Form 10-K may be identified by words such as "believes," "anticipates," "expects," "intends," "may," "would," "will" and other similar expressions. However, these words are not the exclusive means of identifying these statements. In addition, any statements that refer to expectations, projections or other characterizations of future events or circumstances are forward-looking statements. Except as expressly required by the federal securities laws, we undertake no obligation to publicly update or revise any forward-looking statements to reflect events or circumstances occurring subsequent to the filing of this Annual Report on Form 10-K with the SEC or for any other reason. You should carefully review and consider the various disclosures we make in this report and our other reports filed with the SEC that attempt to advise interested parties of the risks, uncertainties and other factors that may affect our business.

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## PART I

### Item 1. Business.

#### Overview

Cyclo Therapeutics, Inc. ("we," "our," "us," or the "Company") was organized as a Florida corporation on August 9, 1990, with operations beginning in July 1992. In conjunction with a restructuring in 2000, we changed our name from Cyclodextrin Technologies Development, Inc. to CTD Holdings, Inc. We changed our name to Cyclo Therapeutics, Inc. in September 2019 to better reflect our current business, and on November 6, 2020, we reincorporated from the State of Florida to the State of Nevada.

On September 21, 2023, we entered into an Agreement and Plan of Merger ("Merger Agreement") with Cameo Merger Sub, Inc., a Delaware corporation and a wholly owned subsidiary of us, and Applied Molecular Transport, Inc., a Delaware corporation ("AMTP"). The merger was closed on December 27, 2023, in an all-stock transaction. See further discussion in Merger Agreement to follow.

We are a clinical stage biotechnology company that develops cyclodextrin-based products for the treatment of neurodegenerative diseases. We filed a Type II Drug Master File with the U.S. Food and Drug Administration ("FDA") in 2014 for our lead drug candidate, Trappsol® Cyclo™ (hydroxypropyl beta cyclodextrin) as a treatment for Niemann-Pick Type C disease ("NPC"). NPC is a rare and fatal autosomal recessive genetic disease resulting in disrupted cholesterol metabolism that impacts the brain, lungs, liver, spleen, and other organs. In 2015, we launched an International Clinical Program for Trappsol® Cyclo™ as a treatment for NPC. In 2016, we filed an Investigational New Drug application ("IND") with the FDA, which described our Phase I clinical plans for a randomized, double blind, parallel group study at a single clinical site in the U.S. The Phase I study evaluated the safety and pharmacokinetics of Trappsol® Cyclo™ along with markers of cholesterol metabolism and markers of NPC during a 12-week treatment period of intravenous administration of Trappsol® Cyclo™ every two weeks to participants 18 years of age and older. The IND was approved by the FDA in September 2016, and in January 2017 the FDA granted Fast Track designation to Trappsol® Cyclo™ for the treatment of NPC. Initial patient enrollment in the U.S. Phase I study commenced in September 2017, and in May 2020 we announced Top Line data showing a favorable safety and tolerability profile for Trappsol® Cyclo™ in this study.

We have also completed a Phase I/II clinical study approved by European regulatory bodies with clinical trial centers in the United Kingdom, Sweden, and in Israel. The Phase I/II study evaluated the safety, tolerability and efficacy of Trappsol® Cyclo™ through a range of clinical outcomes, including neurologic, respiratory, and measurements of cholesterol metabolism and markers of NPC. Consistent with the 12-week phase 1 study (single US site), the European/Israel study administered Trappsol® Cyclo™ intravenously to NPC patients every two weeks in a double-blind, randomized trial, but differs in that the study period was for 48 weeks (24 doses). In March of 2021 we announced that 100% of patients who completed the trial (9 out of 12) improved or remained stable, and 89% met the efficacy outcome measure of improvement in at least two domains of the 17-domain NPC severity scale.

Additionally, in February 2020 we had a face-to-face "Type C" meeting with the FDA with respect to the initiation of our pivotal Phase III clinical trial of Trappsol® Cyclo™ based on the clinical data obtained to date. At that meeting, we also discussed with the FDA submitting a New Drug Application (NDA) under Section 505(b)(1) of the Federal Food, Drug, and Cosmetic Act for the treatment of NPC in pediatric and adult patients with Trappsol® Cyclo™. A similar request was submitted to the European Medicines Agency ("EMA") in February 2020, seeking scientific advice and protocol assistance from the EMA for proceeding with a Phase III clinical trial in Europe. In October 2020 we received a "Study May Proceed" notification from the FDA with respect to the proposed Phase III clinical trial, and in June of 2021 we commenced enrollment in TransportNPC, a pivotal Phase III study of Trappsol® Cyclo™ for the treatment of NPC.

Preliminary data from our completed clinical studies suggest that Trappsol® Cyclo™ clears toxic deposits of cholesterol and other lipids from cells, has a consistent pharmacokinetic profile peripherally, and crosses the blood-brain-barrier in individuals suffering from NPC, and results in neurological and neurocognitive benefits and other clinical improvements in NPC patients. The full significance of these findings will be determined as part of the final analysis of data derived from our clinical trials (both completed and ongoing).

On May 17, 2010, the FDA designated Trappsol® Cyclo™ as an orphan drug for the treatment of NPC, which would provide us with the exclusive right to sell Trappsol® Cyclo™ for the treatment of NPC for seven years following FDA drug approval. In April 2015, we also obtained Orphan Drug Designation for Trappsol® Cyclo™ in Europe, which will provide us with 10 years of market exclusivity following regulatory approval, which period will be extended to 12 years upon acceptance by the EMA's Pediatric Committee of our pediatric investigation plan (PIP) demonstrating that Trappsol® Cyclo™ addresses the pediatric population. On January 12, 2017, we received Fast Track Designation from the FDA, and on December 1, 2017, the FDA designated NPC a Rare Pediatric Disease.

We are also exploring the use of cyclodextrins in the treatment of Alzheimer's disease. In January 2018, the FDA authorized a single patient IND expanded access program using Trappsol® Cyclo™ for the treatment of Alzheimer's disease. After 18 months of treatment in this geriatric patient with late-onset disease, the disease was stabilized and the drug was well tolerated. The patient also exhibited signs of improvement with less volatility and shorter latency in word-finding. We prepared a synopsis for an early stage protocol using Trappsol® Cyclo™ intravenously to treat Alzheimer's disease that was presented to the FDA in January of 2021. We received feedback from the FDA on this synopsis in April 2021 and incorporated the feedback into an IND for a Phase II study for the treatment of Alzheimer's disease with of Trappsol® Cyclo™ that we submitted to the FDA in November 2021. In December of 2021, we received IND clearance from the FDA, allowing us to proceed with our Phase II study of Trappsol® Cyclo™ for the treatment of Alzheimer's disease. U.S. sites for the study were activated during the second half of 2022, with patient dosing beginning in the first quarter of 2023.

We received a notice of allowance for our patent application for the treatment of Alzheimer's disease from the U.S. Patent and Trademark Office ("USPTO") on January 29, 2024, regarding our Patent Application No. 17/289,137 "*Methods of Treating Alzheimer's Disease.*" We filed an international patent application in October 2019 under the Patent Cooperation Treaty directed to the treatment of Alzheimer's disease with cyclodextrins, and we are pursuing national and regional stage applications based on this international application. On June 12, 2023, we receive a communication from the European Patent Office ("EPO") regarding our European Patent Application No.19805439.7 titled, "*Methods for Treating Alzheimer's Disease.*"The EPO communication stated that "[t]he newly filed claims are considered to be allowable" and that "[t]he applicant is therefore requested to bring the description into conformity with these claims." The terms of any patents resulting from these national or regional stage applications would be expected to expire in 2039 if all the requisite maintenance fees are paid.

We also continue to operate our legacy fine chemical business, consisting of the sale of cyclodextrins and related products to the pharmaceutical, nutritional, and other industries, primarily for use in diagnostics and specialty drugs. However, our core business has transitioned to a biotechnology company primarily focused on the development of cyclodextrin-based biopharmaceuticals for the treatment of disease from a business that had been primarily reselling basic cyclodextrin products.

### **Niemann-Pick Type C Disease**

NPC is an ultra-rare, genetic, and progressive disease that impairs the ability of the body to recycle cholesterol and other types of lipids, resulting in damage to the body's tissues, including the brain. The symptoms upon onset of NPC vary from premature death during the first months after birth, mainly due to end stage liver disease, to a progressive disorder not diagnosed until adulthood. The disease affects the brain as well as various internal organs. Symptoms of NPC usually occur during early to late childhood, including difficulties in swallowing, loss of speech and cognition, motor coordination and ambulation. During this period, affected individuals may also develop impairment of intellectual ability, psychiatric disturbances, and progressive loss of memory. Symptoms include enlargement of the liver and/or spleen and lung diseases, epileptic seizures, and dystonia. Systemic symptoms of NPC are more common in infancy or childhood and the rate of progression is usually much slower in individuals with onset of symptoms during adulthood. Age of onset of neurologic symptoms is one predictor of severity of disease. Approximately half of NPC patients are adults with a less aggressive form of the disease that progresses more slowly, and is frequently initially misdiagnosed, as these patients are more likely to present with dementia, psychiatric symptoms, and other symptoms. In the US, patients are increasingly diagnosed in their 50's and 60's.

NPC is caused by mutations in one of two genes, NPC1 (in 95% of patients) or NPC2, which prevent cells from properly processing cholesterol and other lipids and lead to an accumulation of lipids in the lysosomes, resulting in cell toxicity, inflammation, loss of cell function or cell death. In the central nervous system, it results in progressive motor and brain impairment. Genetic diseases are determined by the combination of the pair of genes for a particular trait received from the father and the mother. NPC is an autosomal recessive disorder, *i.e.* two copies of an abnormal gene must be present in order for the disease or trait to develop. Although uncertainty exists about the exact function of the NPC1 and NPC2 protein products, they are known to be involved in the trafficking (transportation) of cholesterol within a compartment of the cell called the lysosome. Hence, a mutated gene may lead to faulty NPC protein production and, as a consequence, an abnormal accumulation of cholesterol and other lipids in the organs most commonly affected, such as the liver, spleen and brain. In addition, as with other neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease, NPC patients exhibit elevated levels of the protein's amyloid and tau in their cerebrospinal fluid.

## **Addressable Market**

We estimate the incidence of NPC to be one in 100,000 live births and that there are currently 3,000 existing NPC patients worldwide, with approximately 1,370 new NPC cases each year. Based on an average annual price of approximately \$404,750 for an intravenously administered drug to treat an orphan disease, we estimate the total addressable annual market for treating NPC with Trappsol® Cyclo™ to be approximately \$550 million.

## **Treatment Options for NPC**

The majority of current treatment options are directed towards the specific symptoms apparent in each individual. These include, for example, referral to a therapist to optimize the swallowing function, prescription of anti-seizure medications to prevent seizures and prescription of melatonin to treat insomnia and other sleep problems caused by the disease. Symptomatic treatment may require the coordinated efforts of a team of specialists.

Zavesca (miglustat), which was originally developed by Actelion Pharmaceuticals and is now owned by Johnson & Johnson and is also now available as a generic product in several countries, is currently the only approved treatment for NPC. It is approved only in Europe, Canada, Australia, New Zealand and several countries in Asia and in South America as Zavesca and in Japan as Brazaves. In Europe, miglustat is indicated for the treatment of progressive neurological manifestations in adult patients and pediatric patients with NPC disease. The FDA declined to approve miglustat for NPC in 2010 and requested more data be provided. A range of side effects are known to be associated with miglustat, including weight loss, decreased appetite, diarrhea, nausea, and thrombocytopenia. While miglustat has not been approved by the FDA for the treatment of NPC, it has been approved by the FDA for the treatment of Gaucher Type I disease. In addition, studies are currently being performed to test the safety and efficacy of other treatment options, which are discussed in more detail below under "—Competition."

Due to the limited availability, efficacy, and side effects of existing treatment options, we believe that a significant unmet need for treatment of NPC continues to exist, and that we may be the only company with a drug candidate that treats both the systemic and neurological manifestations of NPC.

## **Cyclodextrins**

Cyclodextrins are donut shaped rings of glucose (sugar) molecules. Cyclodextrins are formed naturally by the action of bacterial enzymes on starch. They were first noticed and isolated in 1891. The bacterial enzyme naturally creates a mixture of at least three different cyclodextrins depending on how many glucose units are included in the molecular circle; six glucose units yield alpha cyclodextrin; seven units, beta cyclodextrin; eight units, gamma cyclodextrin. The more glucose units in the molecular ring, the larger the cavity in the center of the ring. The inside of this ring provides an excellent resting place for "oily" molecules while the outside of the ring is compatible with water, allowing clear, stable solutions of cyclodextrins to exist in aqueous environments even when an "oily" molecule is carried within the ring. The net result is a molecular carrier that comes in small, medium, and large sizes with the ability to transport and deliver "oily" materials using plain water as the solvent. It is the ability of molecular encapsulation of compounds that makes cyclodextrins so useful chemically and pharmaceutically.

## **Use of Cyclodextrins to Treat NPC**

Natural cyclodextrins have been confirmed to be generally recognized as safe (GRAS) in most of the world, including the U.S. Moreover, approvals of products containing cyclodextrins by the FDA since 2001 suggest that regulatory approval for new products may be easier to obtain in the future. In 2001, Janssen Pharmaceutica, a subsidiary of Johnson & Johnson, received FDA approval to market Sporanox®, an antifungal which contained hydroxypropyl beta cyclodextrin as an excipient. In 2009, one of our products was used in an FDA approved compassionate use investigational new drug protocol for the treatment of NPC. Under the Orphan Drug Act, companies that develop a drug for a disorder affecting fewer than 200,000 people in the United States may seek designation as an orphan drug. If such designation is approved, a company will have the ability to sell the drug exclusively for seven years following FDA drug approval, and the company may receive clinical trial tax incentives.

Trappsol® Cyclo™ is the first use of a cyclodextrin as an active pharmaceutical and not just as an inactive formulation excipient. On May 17, 2010, the FDA designated Trappsol® Cyclo™ as an orphan drug for the treatment of NPC. We have also obtained Orphan Drug Designation for Trappsol® Cyclo™ in Europe. Trappsol® Cyclo™ has been administered to more than 20 NPC patients in compassionate use programs around the world, including in the U.S., Brazil and Spain. Patients participating in these compassionate use programs demonstrated one or more of the following benefits: a reduction in liver size; restoration of language skills; resolution of interstitial lung disease; improvement in fine and gross motor skills, improvement in behavioral aspects of the disease, and improvement in quality of life. The doctors and patients participating in these programs, including patients that have been administered Trappsol® Cyclo™ intravenously for more than five years, have made their data available to us, which we used to design our clinical studies in the U.S. and abroad, and which we published in a peer-reviewed journal with treating physicians as co-authors.

### **Our Clinical Studies**

As set forth in greater detail below, to date, our clinical studies have preliminarily demonstrated that Trappsol® Cyclo™ is safe and efficacious in the treatment of NPC over a range of dose groups. When measuring efficacy in NPC patients, we utilize the NPC Clinical Severity Scale developed by the National Institutes of Health (NIH) which measures clinical signs and symptoms across "major domains" and "minor domains" as follows:

- **Nine major domains:** ambulation, cognition, eye movement, fine motor, hearing, memory, seizures, speech, and swallowing.
- **Eight minor domains:** auditory brainstem response, behavior, gelastic cataplexy, hyperreflexia, incontinence, narcolepsy, psychiatric, and respiratory problems.

Major domains are scored on a scale of zero to five, with zero showing no disability, and minor domains add up to two points for severity of condition per domain.

### ***Global Phase III Clinical Study (TransportNPC)***

Our ongoing Phase III clinical trial (CTD-TCNPC-301), TransportNPC, is a prospective, randomized, double-blind, placebo controlled therapeutic study for up to 93 patients age three and older with confirmed diagnosis of NPC1. The objective of this study is to evaluate the safety, tolerability, and efficacy of 2000 mg/kg doses of Trappsol® Cyclo™ (hydroxypropyl betacyclodextrin) administered intravenously by slow infusion every two weeks as compared to placebo. Patients will be randomized to receive Trappsol® Cyclo™ or placebo at a 2:1 ratio. The study duration is 96 weeks, with an unblinded interim analysis at 48 weeks. An open-label extension of up to 96 weeks follows the interventional study. Patients whose disease progression worsens by two levels in the Clinical Global Impression of Severity scale over 12 weeks, starting at week 36, may be moved to open label treatment. Efficacy will be measured at week 48 and week 96 by a composite score of major disease features. A sub-study is ongoing and being conducted outside of the U.S. for up to 12 patients age 0 - 3 years who may be asymptomatic. Outcomes for the sub-study are safety, clinical and caregiver impression of disease.

### ***European and Israeli Phase I/II Clinical Study***

We completed our Phase I/II clinical study in Europe, the United Kingdom and Sweden. This study evaluated the safety, tolerability and efficacy of Trappsol® Cyclo™ through a range of clinical outcomes, including neurologic, and respiratory, in addition to measurements of cholesterol metabolism and markers of NPC, in three dose groups (1500 mg/kg, 2000 mg/kg and 2500 mg/kg). The first patient was dosed in this study in July 2017, and in February 2020, we announced completion of enrollment of 12 patients in this study. The efficacy outcome measures and results from this study are as follows:

Efficacy Outcome Measure 1: At least a one-point reduction (or improvement) in two or more of the 17 domains measured under the NPC Clinical Severity Scale.

#### Results:

- Six of seven patients met this endpoint (86% of those who completed).
- Improvements seen in swallow, ambulation, ability to manage seizures, saccadic eye movements, fine motor skills, and cognition. (Individual patient profiles differed, i.e., patients improved differently.)
- Patients not receiving any intervention beyond standard of care would be expected to worsen in total score by 1.5 points over one year.

Efficacy Outcome Measure 2: Change from baseline in "Global Impression of Disease" at 48 weeks.

Results:

- Using the Clinician's Global Impression of Improvement scale, five of seven patients who completed the trial improved, and the other 2 patients stabilized.
- five of seven improved in at least one of these features: walking, speaking, swallowing, fine motor and cognition. These five features are determined by NPC patients and their caregivers to be the most important for quality of life. A composite in improvement in these five features will be the primary outcome measure for our pivotal Phase III trial.

Additional Data:

- As a group, the first seven patients to complete the clinical trial meet both efficacy outcome measures for the study.
- Individual patients showed improvements in all dose groups.
- Trappsol® Cyclo™ demonstrated a highly favorable safety profile.
- Trappsol® Cyclo™ was shown to cross the blood brain barrier.
- Successive administration of Trappsol® Cyclo™ decreased tau levels, suggesting neuroprotective benefit.
- Trappsol® Cyclo™ improves neurological features of NPC, including ataxia, and quality of life for patients.
- Based on data provided, we have selected the 2000 mg/kg dose for our pivotal Phase III trial.

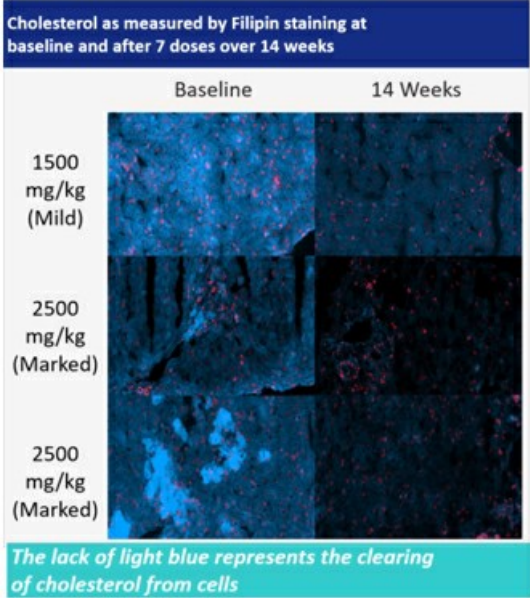
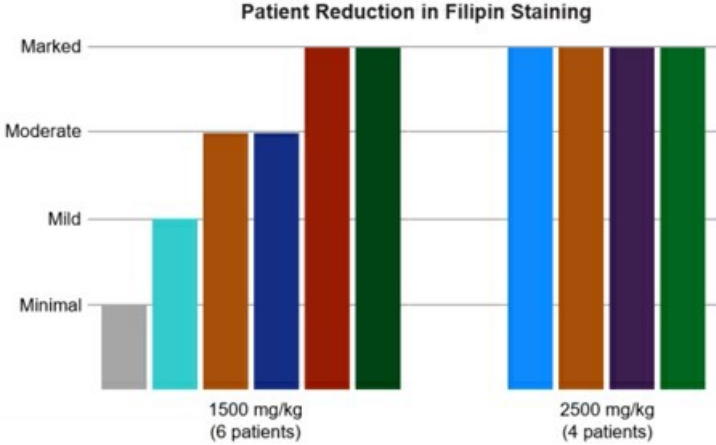
***US Phase I Clinical Study***

In September 2016, the FDA approved our Phase I clinical plans for a randomized, double blind, parallel group study in the U.S. The Phase I study evaluated the safety of Trappsol® Cyclo™ along with markers of cholesterol metabolism and markers of NPC during a 14-week treatment period of intravenous administration of Trappsol® Cyclo™ every two weeks to participants 18 years of age and older in two dose groups (1500 mg/kg and 2500 mg/kg). Enrollment in this study was completed in October 2019, and in May 2020 we announced Top Line data showing a favorable safety and tolerability profile for Trappsol® Cyclo™ in this study. Additional data from this study includes the following data:

- Liver biopsies and biochemical data on cholesterol homeostasis demonstrated that Trappsol® Cyclo™ removes trapped cholesterol from liver cells and impacts cholesterol homeostasis.
- Tau decreased after seven doses in a majority of patients, suggesting that IV administration of Trappsol® Cyclo™ is preventing neurodegeneration in NPC patients.
- Efficacy signals from Trappsol® Cyclo™ include neurological improvements, higher energy, and greater focus exhibited by the patient.
- All eligible patients requested continuation of Trappsol® Cyclo™ administration in the extension protocol via home infusion.
- In January we reported positive efficacy data on all eight patients participating in the protocol.

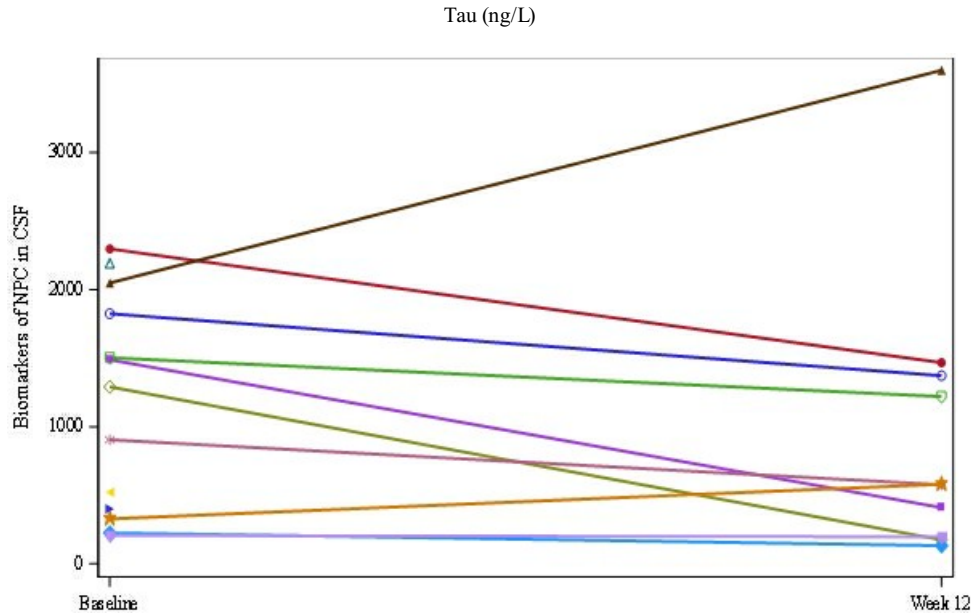
**Trappsol® Cyclo™ Removes Cholesterol from Liver Cells**

Cholesterol accumulates abnormally in the cells of NPC patients. Based on our clinical studies we believe that Trappsol® Cyclo™ can function like the NPC1 protein, allowing cholesterol and other lipids to be moved normally through cells. The administration of both 1500 mg/kg and 2500 mg/kg dosages in our clinical trials demonstrated that Trappsol® Cyclo™ clears cholesterol from peripheral organs. Management believes this is evidence of a pathway to treat the systemic and neurologic manifestations of the disease. The reduction in cholesterol can be visualized directly in liver cells through biopsies and fillipin staining, as shown below.



## Trappsol® Cyclo™ Reduces Tau

Tau is a protein found in elevated levels in the cerebrospinal fluid (CSF) of NPC patients, as well as patients with other neurodegenerative diseases such as Alzheimer's disease and Parkinson's disease. Data from our clinical studies demonstrate that Trappsol® Cyclo™ reduces tau levels. The chart below shows tau levels measured in the CSF of 10 NPC patients who had lumbar punctures prior to treatment with Trappsol® Cyclo™ and after seven doses over a 14-week period in our Phase I study, with six of 10 patients showing a reduction in tau levels, two remained stable, and two with increased levels of tau. Data from three patients in our Phase I/II study showed a similar pattern of tau reduction in all three patients at 24 weeks and 48 weeks.



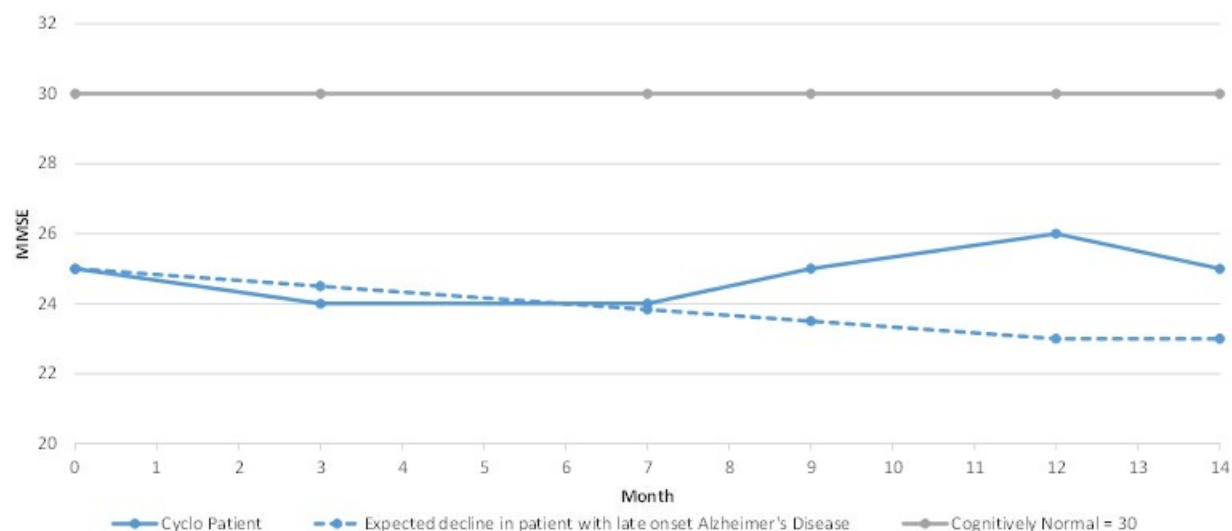
## Use of Cyclodextrins to Treat Alzheimer's Disease

Because NPC and Alzheimer's disease share many features, we have been exploring the treatment of Alzheimer's disease with Trappsol® Cyclo™. In particular, both NPC and Alzheimer's patients exhibit cognitive decline, increased levels of tau in CSF, and amyloid beta plaques in the brain, neurofibrillary tangles in the brain, and lysosomal enlargement in neurons in the brain.

Cell and animal studies using hydroxypropyl beta cyclodextrin ("HPBCD") to treat Alzheimer's disease have shown:

- HPBCD added to cells that over-express the precursor protein of amyloid beta, APP, lowers amyloid beta plaques; and
- HPBCD given subcutaneously to a mouse that over-expresses APP:
  - Reduces amyloid beta plaques by reducing cleavage of APP;
  - Improves memory as shown in a standard water maze test;
  - Reduces microgliosis (a marker of inflammation); and
  - Up-regulates proteins (e.g., NPC1) involved in cholesterol transport and amyloid beta clearance.

In January 2018, the FDA authorized a single patient IND expanded access program using Trappsol® Cyclo™ for the treatment of Alzheimer's disease. After 18 months of monthly intravenous infusions, the patient's disease did not progress as measured with standard clinical cognitive tools applied in patients with Alzheimer's disease. The patient withdrew from this treatment for reasons unrelated to the safety of Trappsol® Cyclo™. The table below measures the patient's Mini Mental State Evaluation (a measurement used to assess patients with Alzheimer's disease) during the treatment period.



### Intellectual Property and Regulatory Exclusivities

We received a notice of allowance for our patent application for the treatment of Alzheimer's disease from the U.S. Patent and Trademark Office on January 29, 2024, regarding our Patent Application No. 17/289,137 "Methods of Treating Alzheimer's Disease." In October 2019, we filed a national and international patent application under the Patent Cooperation Treaty directed to the treatment of Alzheimer's disease with cyclodextrins, and we are pursuing national and regional stage applications based on this international application. On June 12, 2023, we received a notice of allowance of this patent application from the European Patent Office. The terms of any patents resulting from these national or regional stage applications would be expected to expire in 2039 if all the requisite maintenance fees are paid. In addition, the designation of Trappsol® Cyclo™ as an orphan drug for the treatment of NPC by the FDA and European regulators would provide us with seven years, and 10 to 12 years, of market exclusivity, respectively, following regulatory approval. We also believe that our formulation and manufacturing process for Trappsol® Cyclo™ is protected by trade secrets. We have also protected our Trappsol® and Aquaplex® trademarks by registering them with the U.S. Patent and Trademark Office.

### Competition

There is currently no known cure for NPC. Although we face competition in the commercialization of a drug product to treat NPC, we believe that we may be the only company with a drug candidate that treats both the systemic and neurological manifestations of NPC. Actelion, a subsidiary of Johnson & Johnson, has a drug, Miglustat, not approved in the US, which treats some of the neurologic symptoms of the disease in some patients. Orphazyme, a public company based in Denmark, has a drug candidate, Arimoclomol, in development and has initiated a rolling NDA submission with the FDA based on limited neurological benefit in sub-groups of the NPC population. In addition, IntraBio is developing a drug candidate for the treatment of NPC with preliminary reports of benefit to a sub-set of neurologic features, primarily ataxia. IntraBio has not yet reached its pivotal trial stage. We believe our clinical progress, our close connections with patient advocacy groups in the U.S. and Europe, and the fact that we have a finished product currently in use in human patients all give us a competitive advantage over potential competitors.

We have also noted increased competition for the distribution of small quantities of cyclodextrins. Those we have examined are small operations or small offerings of a larger distributor that lack the focus and depth of expertise offered by us. They are also most often not price competitive with our products. We believe there is a perceived barrier to entry into the cyclodextrin industry because of the lack of general experience with cyclodextrins. We have established business relationships with many of the producers and consumers of cyclodextrins worldwide and, over more than 30 years, we have developed an unmatched experience database. We believe these relationships and market knowledge provide significant business advantages.

### Research and Development

We are currently pursuing clinical programs in the U.S., Europe, North Africa, Australia and Israel in an effort to gain market authorization of our bio-pharmaceutical product for the treatment of NPC. We have made a substantial investment in the research and development of our Trappsol® Cyclo™ product as we seek approval for marketing the product for the treatment of NPC. We are also exploring the use of cyclodextrins in the treatment of Alzheimer's disease. We will continue to expend substantial funds in support of these efforts with the progression of our clinical trials, which we commenced in 2017. Research and development expenses remained consistent at approximately \$14,200,000 in 2023, compared to \$9,000,000 in 2022.

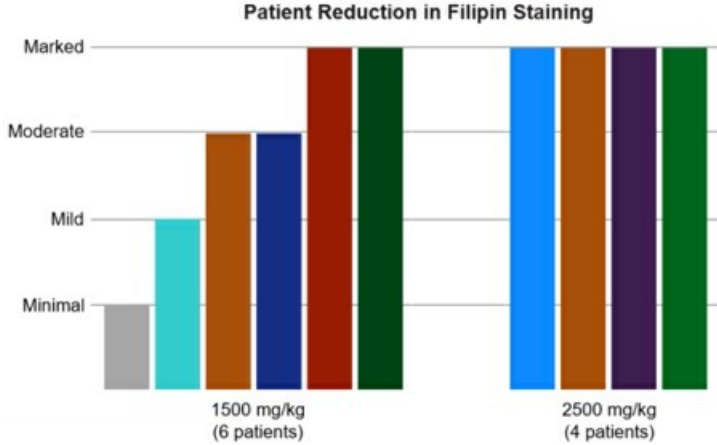
**Government Regulation**

The development, production and marketing of biopharmaceutical products, which include the proposed uses of Trappsol® Cyclo™ to treat disease, including NPC, are subject to regulation by governmental authorities in the United States, at the federal, state and local levels, and in other countries. These regulations govern, among other things, the research, development, testing, manufacture, packaging, storage, recordkeeping, labeling, advertising, promotion, distribution, marketing, and import and export of biopharmaceutical products. The processes for obtaining regulatory approvals in the United States and other countries, along with subsequent compliance with applicable statutes and regulations, require the expenditure of substantial time and financial resources.

**United States Government Regulation**

In the United States, the FDA regulates drugs under the Federal Food, Drug, and Cosmetic Act, or FDCA, and its implementing regulations and guidance. The process of obtaining regulatory approvals and the subsequent compliance with appropriate federal, state, local and non-U.S. statutes, regulations and guidance requires the expenditure of substantial time and financial resources. Failure to comply with the applicable United States requirements at any time during the drug development process, including preclinical and clinical testing, the approval process or post-approval process, may subject an applicant to delays in conducting the preclinical study or clinical trial, regulatory review, approval, a variety of administrative or judicial sanctions, such as the FDA's refusal to approve a pending NDA, other applications, license suspension or revocation, withdrawal of an approval, imposition of a clinical hold, issuance of warning or untitled letters, product recalls, product seizures, total or partial suspension of production or distribution, injunctions, fines, refusals of government contracts, restitution, civil or criminal investigations brought by the FDA, the DOJ and other government entities, including state agencies and associated civil or criminal penalties.

The process required by the FDA before a drug may be marketed in the United States generally involves:



- completion of preclinical laboratory tests, animal studies and formulation studies in compliance with the FDA’s good laboratory practice regulations;
- completion of the manufacture, under cGMP conditions, of the drug substance and drug product that the sponsor intends to use in clinical trials along with required analytical and stability testing;
- submission to the FDA of an investigational new drug, or IND, application for clinical trials, which must become effective before human clinical trials may begin;

- approval by an independent institutional review board, or IRB, at each clinical site before each clinical trial may be initiated;
- performance of adequate and well-controlled clinical trials, in accordance with good clinical practice, or GCP, requirements to establish the safety, potency, purity and efficacy of the proposed drug for each proposed indication;
- payment of user fees;
- preparation and submission to the FDA of an NDA requesting marketing for one or more proposed indications, including submission of detailed information on the manufacture and composition of the product in clinical development and proposed labelling;
- satisfactory completion of an FDA advisory committee review, if applicable;
- satisfactory completion of an FDA inspection of the manufacturing facility or facilities, including those of third parties at which the product, or components thereof, are produced to assess compliance with cGMP requirements, and to assure that the facilities, methods and controls are adequate to preserve the drug's identity, strength, quality and purity;
- satisfactory completion of an FDA inspection of selected clinical sites to assure compliance with GCPs and the integrity of the clinical data;
- FDA review and approval of the NDA; and
- compliance with any post-approval requirements, including the potential requirement to implement a Risk Evaluation and Mitigation Strategy, or REMS, and any post-approval studies or other post-marketing commitments required by the FDA.

#### *Preclinical Studies*

Preclinical studies include laboratory evaluation of product chemistry, toxicity and formulation, as well as animal studies to assess potential safety and efficacy. An IND sponsor must submit the results of the preclinical tests, together with manufacturing information, analytical data and any available clinical data or literature, among other things, to the FDA as part of an IND. Some preclinical testing may continue even after the IND is submitted. An IND is an exemption from the FDCA that allows an unapproved product candidate to be shipped in interstate commerce for use in an investigational clinical trial and a request for FDA authorization to administer such investigational product to humans. An IND automatically becomes effective 30 days after receipt by the FDA, unless before that time the FDA raises concerns or questions related to one or more proposed clinical trials and places the clinical trial on a clinical hold. In such a case, the IND sponsor and the FDA must resolve any outstanding concerns before the clinical trial can begin.

As a result, submission of an IND may not result in the FDA allowing clinical trials to commence. If the FDA raises concerns or questions either during this initial 30-day period, or at any time during the IND process, it may choose to impose a partial or complete clinical hold. Clinical holds are imposed by the FDA whenever there is concern for patient safety and may be a result of new data, findings, or developments in clinical, preclinical, and/ or chemistry, manufacturing, and controls. This order issued by the FDA would delay either a proposed clinical trial or cause suspension of an ongoing trial, until all outstanding concerns have been adequately addressed and the FDA has notified the company that investigations may proceed. This could cause significant delays or difficulties in completing our planned clinical trial or future clinical trials in a timely manner.

#### *Expanded Access to an Investigational Drug for Treatment Use*

Expanded access, sometimes called "compassionate use," is the use of investigational products outside of clinical trials to treat patients with serious or immediately life-threatening diseases or conditions when there are no comparable or satisfactory alternative treatment options. The rules and regulations related to expanded access are intended to improve access to investigational products for patients who may benefit from investigational therapies. FDA regulations allow access to investigational products under an IND by the company or the treating physician for treatment purposes on a case-by-case basis for: individual patients (single-patient IND applications for treatment in emergency settings and non-emergency settings); intermediate-size patient populations; and larger populations for use of the investigational product under a treatment protocol or treatment IND application.

When considering an IND application for expanded access to an investigational product with the purpose of treating a patient or a group of patients, the sponsor and treating physicians or investigators will determine suitability when all of the following criteria apply: patient(s) have a serious or immediately life threatening disease or condition, and there is no comparable or satisfactory alternative therapy to diagnose, monitor, or treat the disease or condition; the potential patient benefit justifies the potential risks of the treatment and the potential risks are not unreasonable in the context or condition to be treated; and the expanded use of the investigational drug for the requested treatment will not interfere initiation, conduct, or completion of clinical investigations that could support marketing approval of the product or otherwise compromise the potential development of the product.

There is no obligation for a sponsor to make its drug products available for expanded access; however, as required by the 21st Century Cures Act passed in 2016, if a sponsor has a policy regarding how it responds to expanded access requests, it must make that policy publicly available. Although these requirements were rolled out over time, they have now come into full effect. This provision requires drug companies to make publicly available their policies for expanded access for individual patient access to products intended for serious diseases. Sponsors are required to make such policies publicly available upon the earlier of initiation of a Phase II or Phase III clinical trial; or 15 days after the investigational drug receives designation as a breakthrough therapy, fast track product, or regenerative medicine advanced therapy.

In addition, on May 30, 2018, the Right to Try Act was signed into law. The law, among other things, provides a federal framework for certain patients to access certain investigational products that have completed a Phase I clinical trial and that are undergoing investigation for FDA approval. Under certain circumstances, eligible patients can seek treatment with an investigational product without enrolling in clinical trials and without obtaining FDA permission under the FDA expanded access program. There is no obligation for a manufacturer to make its investigational products available to eligible patients as a result of the Right to Try Act.

### *Clinical Trials*

Clinical trials involve the administration of the investigational new drug to human subjects, including healthy volunteers or patients with the disease or condition to be treated, under the supervision of qualified investigators in accordance with GCP requirements, which include the requirement that all research subjects provide their informed consent in writing for their participation in any clinical trial. Clinical trials are conducted under protocols detailing, among other things, the objectives of the clinical trial, inclusion and exclusion criteria, the parameters to be used in monitoring safety and the effectiveness criteria to be evaluated. A protocol for each clinical trial and any subsequent protocol amendments must be submitted to the FDA as part of the IND.

A sponsor who wishes to conduct a clinical trial outside the United States may, but need not, obtain FDA authorization to conduct the clinical trial under an IND. When a foreign clinical trial is conducted under an IND, all FDA IND requirements must be met unless waived. When a foreign clinical trial is not conducted under an IND, the sponsor must ensure that the trial complies with certain regulatory requirements of the FDA in order to use the clinical trial as support for an IND or application for marketing approval. Specifically, the FDA requires that such clinical trials be conducted in accordance with GCP, including review and approval by an independent ethics committee and informed consent from participants. The GCP requirements encompass both ethical and data integrity standards for clinical trials. The FDA's regulations are intended to help ensure the protection of human subjects enrolled in non-IND foreign clinical trials, as well as the quality and integrity of the resulting data. They further help ensure that non-IND foreign trials are conducted in a manner comparable to that required for clinical trials in the United States.

In addition, an IRB at each institution participating in the clinical trial must review and approve the plan for any clinical trial before it commences at that institution, and the IRB must continue to oversee the clinical trial while it is being conducted. The IRB will consider, among other things, clinical trial design, patient informed consent, ethical factors, and the safety of human subjects. An IRB overseeing a clinical trial of an investigational product must operate in compliance with FDA regulations. The FDA, the IRB, or the clinical trial sponsor may suspend or discontinue a clinical trial at any time for various reasons, including a finding that the clinical trial is not being conducted in accordance with FDA requirements or that the participants are being exposed to an unacceptable health risk. Clinical testing also must satisfy extensive GCP rules and the requirements for informed consent. Information about certain clinical trials must be submitted within specific timeframes to the National Institutes of Health for public dissemination on their [ClinicalTrials.gov](https://www.clinicaltrials.gov) website.

Human clinical trials are typically conducted in three sequential phases, which may overlap or be combined. Additional studies may be required after approval.

- Phase I: The drug is initially introduced into a limited number of healthy human subjects or patients with the target disease or condition and tested for safety, dosage tolerance, absorption, metabolism, distribution, excretion and, if possible, to gain an initial indication of its effectiveness.
- Phase II: The drug typically is administered to a limited patient population to identify possible adverse effects and safety risks, to preliminarily evaluate the efficacy of the product for specific targeted diseases and to determine dosage tolerance and optimal dosage. Multiple Phase II clinical trials may be conducted by the sponsor to obtain information prior to beginning larger and more costly Phase II clinical trials. Once Phase II clinical trials demonstrate that a dose range of the product candidate is potentially effective and has an acceptable safety profile, it proceeds to Phase III clinical trials.
- Phase III: The drug is administered to an expanded patient population, generally at geographically dispersed clinical trial sites, in well-controlled clinical trials to generate enough data to statistically evaluate the safety and efficacy of the product for approval, to establish the overall risk-benefit profile of the product and to provide adequate information for the labeling of the product. A well-controlled, statistically robust Phase III trial may be designed to deliver the data that regulatory authorities will use to decide whether or not to approve, and, if approved, how to appropriately label a drug; such Phase III studies are referred to as "pivotal."
- Phase IV: In some cases, the FDA may conditionally approve an NDA for a product candidate on the sponsor's agreement to conduct additional clinical trials after NDA approval. In other cases, a sponsor may voluntarily conduct additional clinical trials post-approval to gain more information about the drug. Such post-approval trials are typically referred to as Phase IV clinical trials.

Progress reports detailing the results of the clinical trials must be submitted, at least annually, to the FDA, and more frequently if serious adverse events, or SAEs, occur. Phase I, Phase II and Phase III clinical trials may not be completed successfully within any specified period, or at all. Furthermore, the FDA or the sponsor may suspend or terminate a clinical trial at any time on various grounds, including a finding that the research subjects are being exposed to an unacceptable health risk. Similarly, an IRB can suspend or terminate approval of a clinical trial at its institution if the clinical trial is not being conducted in accordance with the IRB's requirements, or if the drug has been associated with unexpected serious harm to patients.

Concurrent with clinical trials, companies usually complete additional animal studies and must also develop additional information about the chemistry and physical characteristics of the product and finalize a process for manufacturing the product in commercial quantities in accordance with cGMP requirements. The manufacturing process must be capable of consistently producing quality batches of the product candidate and, among other things, the manufacturer must develop methods for testing the identity, strength, quality and purity of the final product. Additionally, appropriate packaging must be selected and tested and stability studies must be conducted to demonstrate that the product candidate does not undergo unacceptable deterioration over its shelf life.

#### *Compliance with cGMP Requirements*

Before approving an NDA, the FDA typically will inspect the facility or facilities where the product is manufactured. The FDA will not approve an application unless it determines that the manufacturing processes and facilities are in full compliance with cGMP requirements and adequate to assure consistent production of the product within required specifications. The Public Health Service Act emphasizes the importance of manufacturing control for products whose attributes cannot be precisely defined. Manufacturers and others involved in the manufacture and distribution of products must also register their establishments with the FDA and certain state agencies. Both domestic and foreign manufacturing establishments must register and provide additional information to the FDA upon their initial participation in the manufacturing process. Any product manufactured by or imported from a facility that has not registered, whether foreign or domestic, is deemed misbranded under the FDCA. Establishments may be subject to periodic unannounced inspections by government authorities to ensure compliance with cGMPs and other laws. Inspections must follow a "risk-based schedule" that may result in certain establishments being inspected more frequently. Manufacturers may also have to provide, on request, electronic or physical records regarding their establishments. Delaying, denying, limiting, or refusing inspection by the FDA may lead to a product being deemed to be adulterated.

Assuming successful completion of the required clinical testing, the results of the preclinical studies and clinical trials, together with detailed information relating to the product's chemistry, manufacture, controls and proposed labeling, among other things, are submitted to the FDA as part of an NDA requesting approval to market the product for one or more indications. In most cases, the submission of an NDA is subject to a substantial application user fee. Under the PDUFA guidelines that are currently in effect, the FDA has a goal of ten months to review and act on a standard NDA and six months to review and act on a priority NDA, measured from the date of "filing" of a standard NDA for an NME. This review typically takes eight months from the date the NDA is submitted to the FDA because the FDA has approximately two months to make a "filing" decision, although timing is not certain, particularly with the FDA's current focus on COVID-19.

In addition, under the Pediatric Research Equity Act of 2003, as amended and reauthorized, certain NDAs or supplements to an NDA must contain data that are adequate to assess the safety and effectiveness of the drug for the claimed indications in all relevant pediatric subpopulations, and to support dosing and administration for each pediatric subpopulation for which the product is safe and effective. Sponsors must also submit pediatric study plans prior to the assessment data. Those plans must contain an outline of the proposed pediatric study or studies the applicant plans to conduct, including study objectives and design, any deferral or waiver requests, and other information required by regulation. The applicant, the FDA, and the FDA's internal review committee must then review the information submitted, consult with each other, and agree upon a final plan. The FDA or the applicant may request an amendment to the plan at any time.

For products intended to treat a serious or life-threatening disease or condition, the FDA must, upon the request of an applicant, meet to discuss preparation of the initial pediatric study plan or to discuss deferral or waiver of pediatric assessments. In addition, FDA will meet early in the development process to discuss pediatric study plans with sponsors and FDA must meet with sponsors by no later than the end-of-the Phase I meeting for serious or life-threatening diseases and by no later than 90 days after FDA's receipt of the study plan.

The FDA may, on its own initiative or at the request of the applicant, grant deferrals for submission of some or all pediatric data until after approval of the product for use in adults, or full or partial waivers from the pediatric data requirements. Additional requirements and procedures relating to deferral requests and requests for extension of deferrals are contained in the Food and Drug Administration Safety and Innovation Act. Unless otherwise required by regulation, the pediatric data requirements do not apply to products with orphan designation.

The FDA also may require submission of a REMS plan to ensure that the benefits of the drug outweigh its risks. The REMS plan could include medication guides, physician communication plans, assessment plans, and/or elements to assure safe use, such as restricted distribution methods, patient registries or other risk minimization tools.

The FDA conducts a preliminary review of all NDAs within the first 60 days after submission, before accepting them for filing, to determine whether they are sufficiently complete to permit substantive review. The FDA may request additional information rather than accept an NDA for filing. In this event, the application must be resubmitted with the additional information. The resubmitted application is also subject to review before the FDA accepts it for filing. Once the submission is accepted for filing, the FDA begins an in-depth substantive review. The FDA reviews an NDA to determine, among other things, whether the drug is safe and effective and whether the facility in which it is manufactured, processed, packaged or held meets standards designed to assure the product's continued safety, quality and purity.

The FDA may refer an application for a novel drug to an advisory committee. An advisory committee is a panel of independent experts, including clinicians and other scientific experts, that reviews, evaluates and provides a recommendation as to whether the application should be approved and under what conditions. The FDA is not bound by the recommendations of an advisory committee, but it considers such recommendations carefully when making decisions.

Before approving an NDA, the FDA typically will inspect the facility or facilities where the product is manufactured. The FDA will not approve an application unless it determines that the manufacturing processes and facilities are in compliance with cGMP requirements and adequate to assure consistent production of the product within required specifications. Additionally, before approving an NDA, the FDA will typically inspect one or more clinical trial sites to assure compliance with GCP requirements.

The FDA generally accepts data from foreign clinical trials in support of an NDA if the trials were conducted under an IND. If a foreign clinical trial is not conducted under an IND, the FDA nevertheless may accept the data in support of an NDA if the study was conducted in accordance with GCP requirements and the FDA is able to validate the data through an on-site inspection, if deemed necessary. Although the FDA generally requests that marketing applications be supported by some data from domestic clinical studies, the FDA may accept foreign data as the sole basis for marketing approval if the foreign data are applicable to the U.S.

The testing and approval process for an NDA requires substantial time, effort and financial resources, and takes several years to complete. Data obtained from preclinical and clinical testing are not always conclusive and may be susceptible to varying interpretations, which could delay, limit or prevent regulatory approval. The FDA may not grant approval of an NDA on a timely basis, or at all.

After evaluating the NDA and all related information, including the advisory committee recommendation, if any, and inspection reports regarding the manufacturing facilities and clinical trial sites, the FDA may issue an approval letter, or, in some cases, a complete response letter. A complete response letter generally contains a statement of specific conditions that must be met in order to secure final approval of the NDA and may require additional clinical or preclinical testing, manufacturing or formulation modifications or other changes in order for the FDA to reconsider the application. Even with submission of this additional information, the FDA ultimately may decide that the application does not satisfy the regulatory criteria for approval. If and when those conditions have been met to the FDA's satisfaction, the FDA will typically issue an approval letter. An approval letter authorizes commercial marketing of the drug with specific prescribing information for specific indications.

Even if the FDA approves a product, it may limit the approved indications for use of the product, require that contraindications, warnings or precautions be included in the product labeling, require that post-approval studies, including Phase IV clinical trials, be conducted to further assess a drug's safety after approval, require testing and surveillance programs to monitor the product after commercialization, or impose other conditions, including distribution and use restrictions or other risk management mechanisms under a REMS, which can materially affect the potential market and profitability of the product. The FDA may prevent or limit further marketing of a product based on the results of post-marketing studies or surveillance programs. After approval, some types of changes to the approved product, such as adding new indications, manufacturing changes, and additional labeling claims, are subject to further testing requirements and FDA review and approval.

#### *Orphan Drug Designation*

Trappso<sup>®</sup> Cyclo<sup>™</sup> has been granted orphan drug status by the FDA. It has been used by a limited number of customers for the treatment of NPC under the supervision of a physician following an Investigational New Drug (IND) protocol approved by the FDA. Under the Orphan Drug Act, the FDA may grant orphan drug designation to a drug intended to treat a rare disease or condition, which is a disease or condition that affects fewer than 200,000 individuals in the United States, or if it affects more than 200,000, there is no reasonable expectation that sales of the drug in the United States will be sufficient to offset the costs of developing and making the drug available in the United States. Orphan drug designation must be requested before submitting an NDA. A product becomes an orphan when it receives orphan drug designation from the Office of Orphan Products Development at the FDA based on acceptable confidential requests made under the regulatory provisions. The product must then go through the review and approval process like any other product. Orphan drug designation does not convey any advantage in or shorten the duration of the regulatory review and approval process.

A sponsor may request orphan drug designation of a previously unapproved product or new orphan indication for an already marketed product. If the FDA approves a sponsor's marketing application for a designated orphan drug for use in the rare disease or condition for which it was designated, the sponsor is eligible for tax credits and a seven-year period of marketing exclusivity, during which the FDA may not approve another sponsor's marketing application for a drug with the same active moiety and intended for the same use or indication as the approved orphan drug, except in limited circumstances, such as if a subsequent sponsor demonstrates its product is clinically superior. During a sponsor's orphan drug exclusivity period, competitors, however, may receive approval for drugs with different active moieties for the same indication as the approved orphan drug, or for drugs with the same active moiety as the approved orphan drug, but for different indications. Orphan drug exclusivity could block the approval of one of our products for seven years if a competitor obtains approval for a drug with the same active moiety intended for the same indication before we do, unless we are able to demonstrate that grounds for withdrawal of the orphan drug exclusivity exist, or that our product is clinically superior. Further, if a designated orphan drug receives marketing approval for an indication broader than the rare disease or condition for which it received orphan drug designation, it may not be entitled to exclusivity.

The period of exclusivity begins on the date that the marketing application is approved by the FDA and applies only to the indication for which the product has been designated. The FDA may approve a second application for the same product for a different use or a second application for a clinically superior version of the product for the same use. The FDA cannot, however, approve the same product made by another manufacturer for the same indication during the market exclusivity period unless it has the consent of the sponsor or the sponsor is unable to provide sufficient quantities.

*Special FDA Expedited Review and Approval Programs; Priority Review Voucher*

The FDA has various programs, including fast track designation, accelerated approval, priority review, and breakthrough therapy designation, which are intended to expedite or simplify the process for the development and FDA review of drugs that are intended for the treatment of serious or life threatening diseases or conditions and demonstrate the potential to address unmet medical needs. The purpose of these programs is to provide important new drugs to patients earlier than under standard FDA review procedures. In January 2017 the FDA granted Fast Track designation to Trappsol® Cyclo™ for the treatment of NPC.

To be eligible for a fast track designation, the FDA must determine, based on the request of a sponsor, that a product is intended to treat a serious or life-threatening disease or condition and demonstrates the potential to address an unmet medical need. The FDA will determine that a product will fill an unmet medical need if it will provide a therapy where none exists or provide a therapy that may be potentially superior to existing therapy based on efficacy or safety factors. The FDA may review sections of the NDA for a fast track product on a rolling basis before the complete application is submitted. If the sponsor provides a schedule for the submission of the sections of the NDA, the FDA agrees to accept sections of the NDA and determines that the schedule is acceptable, and the sponsor pays any required user fees upon submission of the first section of the NDA.

The FDA may give a priority review designation to drugs that are designed to treat serious conditions, and if approved, would provide a significant improvement in treatment, or provide a treatment where no adequate therapy exists. A priority review means that the goal for the FDA to review an application is six months, rather than the standard review of ten months under current PDUFA guidelines. Under the current PDUFA agreement, these six and ten month review periods are measured from the "filing" date rather than the receipt date for NDAs for new molecular entities, which typically adds approximately two months to the timeline for review and decision from the date of submission. Most products that are eligible for fast track designation may be considered appropriate to receive a priority review.

In addition, products studied for their safety and effectiveness in treating serious or life-threatening illnesses and that provide meaningful therapeutic benefit over existing treatments may be eligible for accelerated approval and may be approved on the basis of adequate and well-controlled clinical trials establishing that the drug product has an effect on a surrogate endpoint that is reasonably likely to predict clinical benefit, or on a clinical endpoint that can be measured earlier than irreversible morbidity or mortality, that is reasonably likely to predict an effect on irreversible morbidity or mortality or other clinical benefit, taking into account the severity, rarity or prevalence of the condition and the availability or lack of alternative treatments. As a condition of approval, the FDA may require a sponsor of a drug receiving accelerated approval to perform post-marketing studies to verify and describe the predicted effect on irreversible morbidity or mortality or other clinical endpoint, and the drug may be subject to accelerated withdrawal procedures.

Breakthrough therapy designation is for a drug that is intended, alone or in combination with one or more other drugs, to treat a serious or life-threatening disease or condition, and preliminary clinical evidence indicates that the drug may demonstrate substantial improvement over existing therapies on one or more clinically significant endpoints, such as substantial treatment effects observed early in clinical development. The FDA must take certain actions, such as holding timely meetings and providing advice, intended to expedite the development and review of an application for approval of a breakthrough therapy.

Even if a product qualifies for one or more of these programs, the FDA may later decide that the product no longer meets the conditions for qualification or decide that the time period for FDA review or approval will not be shortened. We may explore some of these opportunities for our product candidate as appropriate.

On December 1, 2017, the FDA designated NPC a Rare Pediatric Disease. Rare Pediatric Disease designation by FDA enables priority review voucher eligibility upon U.S. market approval of a designated drug for rare pediatric diseases. The rare pediatric disease-priority review voucher program is intended to encourage development of therapies to prevent and treat rare pediatric diseases. The voucher, which is awarded upon NDA approval to the sponsor of a designated rare pediatric disease can be sold or transferred to another entity and used by the holder to receive priority review for a future NDA submission, which reduces the FDA review time of such future submission from ten to six months.

#### *Coverage and Reimbursement*

The future commercial success of any approved product candidate will depend in part on the extent to which governmental payor programs at the federal and state levels, including Medicare and Medicaid, private health insurers and other third-party payors provide coverage for and establish adequate reimbursement levels for our product candidate. Government health administration authorities, private health insurers and other organizations generally decide which drugs they will pay for and establish reimbursement levels for healthcare. In particular, in the United States, private health insurers and other third-party payors often provide reimbursement for products and services based on the level at which the government, through the Medicare or Medicaid programs, provides reimbursement for such treatments. In the United States, the European Union, or EU, and other potentially significant markets for our product candidate, government authorities and third-party payors are increasingly attempting to limit or regulate the price of medical products and services, particularly for new and innovative products and therapies, which often has resulted in average selling prices lower than they would otherwise be. Further, the increased emphasis on managed healthcare in the United States and on country and regional pricing and reimbursement controls in the European Union will put additional pressure on product pricing, reimbursement, and usage, which may adversely affect our future product sales and results of operations. These pressures can arise from rules and practices of managed care groups, judicial decisions and laws and regulations related to Medicare, Medicaid and healthcare reform, pharmaceutical coverage and reimbursement policies and pricing in general.

#### *Impact of Healthcare Reform on our Business*

The United States and some foreign jurisdictions are considering enacting or have enacted a number of additional legislative and regulatory proposals to change the healthcare system in ways that could affect our ability to sell our product candidate profitably, if approved. Among policy makers and payors in the United States and elsewhere, there is significant interest in promoting changes in healthcare systems with the stated goals of containing healthcare costs, improving quality, and expanding access. In the United States, the pharmaceutical industry has been a particular focus of these efforts, which include major legislative initiatives to reduce the cost of care through changes in the healthcare system, including limits on the pricing, coverage, and reimbursement of pharmaceutical and biopharmaceutical products, especially under government-funded health care programs, and increased governmental control of drug pricing.

There have been several U.S. government initiatives over the past few years to fund and incentivize certain comparative effectiveness research, including creation of the Patient-Centered Outcomes Research Institute under the Patient Protection and Affordable Care Act of 2010, as amended by the Health Care and Education Reconciliation Act of 2010, or collectively the ACA. It is also possible that comparative effectiveness research demonstrating benefits in a competitor's product could adversely affect the sales of our product candidate. If third-party payors do not consider our product candidate to be cost-effective compared to other available therapies, they may not cover our product candidate, once approved, as a benefit under their plans or, if they do, the level of payment may not be sufficient to allow us to sell our product on a profitable basis.

The ACA became law in March 2010 and substantially changed the way healthcare is financed by both governmental and private insurers. Among other measures that may have an impact on our business, the ACA established an annual, nondeductible fee on any entity that manufactures or imports specified branded prescription drugs and biologic agents; a new Medicare Part D coverage gap discount program; and a new formula that increases the rebates a manufacturer must pay under the Medicaid Drug Rebate Program. Additionally, the ACA extended manufacturers' Medicaid rebate liability, expanded eligibility criteria for Medicaid programs, and expanded entities eligible for discounts under the Public Health Service pharmaceutical pricing program. There have been judicial and Congressional challenges to certain aspects of the ACA, as well as recent efforts by the current presidential administration to repeal or replace certain aspects of the ACA, and we expect such challenges and amendments to continue. Since January 2017, President Trump has signed Executive Orders designed to delay the implementation of any certain provisions of the ACA or otherwise circumvent some of the requirements for health insurance mandated by the ACA. One Executive Order directed federal agencies with authorities and responsibilities under the ACA to waive, defer, grant exemptions from, or delay the implementation of any provision of the ACA that would impose a fiscal or regulatory burden on states, individuals, healthcare providers, health insurers, or manufacturers of pharmaceuticals or medical devices. The second Executive Order terminated the cost-sharing subsidies that reimburse insurers under the ACA. Several state Attorneys General filed suit to stop the administration from terminating the subsidies, but their request for a restraining order was denied by a federal judge in California on October 25, 2017. In addition, CMS has recently proposed regulations that would give states greater flexibility in setting benchmarks for insurers in the individual and small group marketplaces, which may have the effect of relaxing the essential health benefits required under the ACA for plans sold through such marketplaces. In December 2018, CMS published a new final rule permitting further collections and payments to and from certain ACA qualified health plans and health insurance issuers under the ACA risk adjustment program in response to the outcome of the federal court litigation regarding the method CMS uses to determine this risk adjustment. On April 27, 2020, the U.S. Supreme Court reversed the Federal Circuit decision that previously upheld Congress' denial of \$12 billion in ACA risk corridor payments to certain ACA qualified health plans and health insurance issuers. The full effects of this gap in reimbursement on third-party payors, the viability of the ACA marketplace, providers, and potentially our business, are not yet known. In addition, in December 2019, a three-judge panel of the Fifth Circuit Court of Appeals partially affirmed a district court decision that had declared the entire ACA invalid. The ACA's future continues to be uncertain as the law's constitutionality has been challenged and will be considered by the U.S. Supreme Court in *California v. Texas*. This ongoing litigation challenges the ACA's minimum essential coverage provision (known as the individual mandate) and raises questions about the entire law's survival. The ACA remains in effect while the litigation is pending. However, if all or most of the law ultimately is struck down, it may have complex and far-reaching consequences for the nation's health care system.

At the state level, legislatures are increasingly passing legislation and implementing regulations designed to control pharmaceutical and biological product pricing, including price or patient reimbursement constraints, discounts, restrictions on certain product access and marketing cost disclosure and transparency measures, and, in some cases, designed to encourage importation from other countries and bulk purchasing. In addition, regional healthcare authorities and individual hospitals are increasingly using bidding procedures to determine what biopharmaceutical products and which suppliers will be included in their prescription drug and other healthcare programs. These measures could reduce the ultimate demand for our products, once approved, or put pressure on our product pricing.

There have been, and likely will continue to be, additional legislative and regulatory proposals at the foreign, federal, and state levels directed at broadening the availability of healthcare and containing or lowering the cost of healthcare. Such reforms could have an adverse effect on anticipated revenues from product candidates that we may successfully develop and for which we may obtain marketing approval and may affect our overall financial condition and ability to develop product candidates.

#### *Other Healthcare Laws*

Outside the United States, our ability to market a product is contingent upon obtaining marketing authorization from the appropriate regulatory authorities. The requirements governing market authorization, pricing and reimbursement vary widely from country to country. In order to market any product outside of the United States, we would need to comply with numerous and varying regulatory requirements of other countries regarding safety and efficacy and governing, among other things, clinical trials, marketing authorization, commercial sales and distribution of our product candidate. Whether or not we obtain marketing approval for a drug in the United States, we would need to obtain the necessary approvals by the comparable regulatory authorities of foreign countries before we can commence clinical trials or marketing of the drug in those countries. The approval process varies from country to country and can involve additional product testing and additional administrative review periods. The time required to obtain approval in other countries might differ from and be longer than that required to obtain approval in the United States. Regulatory approval in one country does not ensure regulatory approval in another, but a failure or delay in obtaining regulatory approval in one country may negatively impact the regulatory process in others.

#### *Our Legacy Fine Chemical Business*

Substantially all of our revenues are currently derived from our legacy fine chemical business, consisting of the sale of cyclodextrins, including cyclodextrin complexes, the resale of cyclodextrins manufactured by others for our clients to their specifications, and our own licensed cyclodextrin products. We have trademarked certain products under our Trappsol® and Aquaplex® product lines. The Trappsol® product line includes basic cyclodextrins, and cyclodextrins with different chemical adducts resulting in more than 261 different cyclodextrins products available for sale from us. The Aquaplex® product line includes various cyclodextrins combined with more than 80 different active ingredients that, only as a complex, then become water soluble; we currently list for sale more than 116 different Aquaplex® products. Historically, substantially all of our sales of Aquaplex® products were to one chemical supply house, Sigma-Aldrich Fine Chemical. Sales of Trappsol® and Aquaplex® comprise approximately 99% and 1%, respectively, of our 2022 product sales. The Trappsol® and Aquaplex® products can be used in many industries, the largest being the food and pharmaceutical industries.

Natural and chemically modified cyclodextrins are available from at least four major commercial manufacturers around the world, including Wacker Biosolutions, a division of Wacker Chemie AG (Germany), with a production facility located in Adrian, Michigan; Mitsubishi Chemical Corporation (Japan); Roquettes Freres (France); and Hangzhou Pharma and Chem Co. (China). Prior to 2008, we purchased all of our Aquaplex® cyclodextrin complex products from Cyclodextrin Research & Development Laboratory, which is located in Budapest, Hungary; there are few, if any, other sources in the world for commercial quantities of current Good Manufacturing Practice (c-GMP) cyclodextrin complexes. While we continue to purchase many of our cyclodextrin materials from Cyclodextrin Research & Development Laboratory, we also produce our own Aquaplex® materials. Additionally, we use third party manufacturers, such as Equinox Chemical in Albany, Georgia, to develop cyclodextrin complexes. We historically have not had difficulties obtaining natural and chemically modified cyclodextrins from our suppliers and we do not expect to experience any difficulties obtaining adequate cyclodextrins for our current and expected expanded future needs.

### **Cyclodextrin Product Background**

Cyclodextrins are molecules that bring together oil and water, making the oily materials soluble in water, and have potential applications anywhere oil and water must be used together. Cyclodextrins can improve the solubility and stability of a wide range of drugs. Many promising drug compounds are unusable or have serious side effects because they are either unstable or poorly soluble in water. Strategies for administering currently approved compounds involve injection of formulations requiring pH adjustment and/or the use of organic solvents. The result is frequently painful, irritating, or damaging to the patient. These side effects can be ameliorated by cyclodextrins. Cyclodextrins also have many potential uses in drug delivery for topical applications to the eyes and skin.

Successful applications of cyclodextrins have been established in biotechnology, pharmaceuticals, agrochemicals, analytical chemistry, cosmetics, diagnostics, electronics, foodstuffs, and toxic waste treatment. Stabilization of food flavors and fragrances is the largest current worldwide market for cyclodextrin applications. We and others have developed cyclodextrin-based applications in stabilization of flavors for food products; elimination of undesirable tastes and odors; preparation of antifungal complexes for foods and pharmaceuticals; stabilization of fragrances and dyes; reduction of foaming in foods, cosmetics, and toiletries; and the improvement of quality, stability and storability of foods.

Cyclodextrins are manufactured commercially in large quantities by mixing purified enzymes with starch solutions. A mixture of alpha, beta, and gamma cyclodextrins can be manufactured by this enzymatic modification of starch with purified natural enzymes and therefore are considered to be natural products. Additional processing is required to isolate and separate the individual cyclodextrins. The purified alpha, beta and gamma cyclodextrins are referred to collectively as natural or native cyclodextrins.

The hydroxyl chemical groups on each glucose unit in a cyclodextrin molecule provide chemists with ways to modify the properties of the cyclodextrins, i.e. to make them more water soluble or less water soluble, thereby making them better carriers for a specific chemical. The cyclodextrins that result from chemical modifications are no longer considered natural and are referred to as chemically modified cyclodextrins. Since the property modifications achieved are often advantageous to a specific application, the Company does not believe the loss of the natural product categorization will prevent its ultimate pharmaceutical use. It does, however, create a greater regulatory burden.

### **Other Cyclodextrin Uses**

Applications of cyclodextrins in personal products and for industrial uses have appeared in many patents and patent applications. Cyclodextrins are used in numerous brand-name household goods, including fabric softeners and air fresheners. With increased manufacturing capacity and supply, the prices of the natural cyclodextrins have decreased to the point that use of these materials is considered in even the most price sensitive goods.

In Japan, at least twelve pharmaceutical preparations are now marketed which contain cyclodextrins; there are also multiple products in Europe and the United States. Cyclodextrins permit the use of all routes of administration. Ease of delivery and improved bioavailability of such well-known drugs as nitroglycerin, dexamethasone, PGE(1&2), and cephalosporin permit these "old" drugs to command new market share and sometimes new patent lives. Because of the value added, it is management's opinion that the dollar value of the worldwide market for products containing cyclodextrins and for complexes of cyclodextrins can be substantially greater than that of the market sales of the cyclodextrin itself.

### **Customers**

We currently sell our legacy fine chemical products directly to customers in the pharmaceutical, diagnostics, and industrial chemical industries, and to chemical supply distributors. For the year ended December 31, 2023, our revenues consisted of 99% basic natural and chemically modified cyclodextrins and 1% cyclodextrin complexes.

Our cyclodextrin sales historically involve small quantities (i.e., less than 1.0 kg). We sell directly to our customers, package the orders at our facility and ship using common carriers.

The majority of our revenues are from five to ten customers who have historically been repeat purchasers. For the years ended December 31, 2023 and 2022, two and three customers accounted for 72% and 68% of our sales, respectively. Sigma-Aldrich Fine Chemical, Inc. accounted for approximately 96% and 85% of our 2023 and 2022 annual sales, respectively, of Aquaplex®. In a given year, we typically sell to fewer than 200 individual customers. Our industrial customers buy products from us as needed primarily for product research and development purposes. Therefore, it is difficult to predict future sales from these customers, as it is dependent on the current cyclodextrin related research and development activities of others, which we have monitored in the past by following the issuance and applications of patents in the US and elsewhere.

We intend to continue promoting the use of Trappsol® and Aquaplex® products in the research and product development activities of existing and new customers and clients.

### **Employees**

We currently employ eight people on a full-time basis. None of our employees belong to a union. We believe relations with our employees are good.

**Item 1A. Risk Factors.**

**Risks Related to our Financial Position and Capital Needs**

***We have suffered recent losses and our future profitability is uncertain.***

We have incurred net losses of approximately \$20.1 million and \$15.5 million for the years ended December 31, 2023 and December 31, 2022, respectively. Our recent losses have predominantly resulted from research and development expenses for our Trappsol® Cyclo™ product and other general operating expenses, including personnel costs. We believe our expenses will continue to increase as we conduct clinical trials and continue to seek regulatory approval for the use of Trappsol® Cyclo™ in the treatment of NPC and Alzheimer's disease. As a result, we expect our operating losses to continue until such time, if ever, that product sales, licensing fees, royalties and other sources generate sufficient revenue to fund our operations. We cannot predict when, if ever, we might achieve profitability and cannot be certain that we will be able to sustain profitability, if achieved.

***Even with the proceeds from our recent securities offerings, we will need additional capital to fund our operations as planned.***

For the year ended December 31, 2023, our operations used approximately \$16.2 million in cash. At December 31, 2023, the Company had a cash balance of approximately \$9.2 million and current liabilities of approximately \$8.5 million. We will need additional capital to maintain our operations, continue our research and development programs, conduct clinical trials, seek regulatory approvals and manufacture and market our products. We will seek such additional funds through public or private equity or debt financings and other sources. We cannot be certain that adequate additional funding will be available to us on acceptable terms, if at all. If we cannot raise the additional funds required for our anticipated operations, we may be required to reduce the scope of or eliminate our research and development programs, delay our clinical trials and the ability to seek regulatory approvals, downsize our general and administrative infrastructure, or seek alternative measures to avoid insolvency. If we raise additional funds through future offerings of shares of our Common Stock or other securities, such offerings would cause dilution of current stockholders' percentage ownership in the Company, which could be substantial. Future offerings also could have a material and adverse effect on the price of our Common Stock.

***The report of our independent registered public accounting firm expresses substantial doubt about our ability to continue as a going concern.***

Our auditors, WithumSmith+Brown, PC., have indicated in their report on our consolidated financial statements for the fiscal year ended December 31, 2023, that conditions exist that raise substantial doubt about our ability to continue as a going concern due to our recurring losses from operations and significant accumulated deficit. In addition, we continue to experience negative cash flows from operations. A "going concern" opinion could impair our ability to finance our operations through the sale of equity. Our ability to continue as a going concern will depend upon the availability of equity financing which represents the primary source of cash flows that will permit us to meet our financial obligations as they come due and continue our research and development efforts.

***We have not received approval for any drug candidate for commercial sale and, as a result, we have never generated any revenue from the sale of biopharmaceutical products, and expect to continue to incur significant financial losses in the future, which makes it difficult to assess our future viability.***

While we sell cyclodextrins for use and research in numerous industries, we have not yet received the necessary regulatory approvals to commercially sell any biopharmaceutical products. Biopharmaceutical product development is a highly speculative undertaking and involves a substantial degree of risk, including risks related to the regulatory approval process. Because the focus of our business has transitioned to the development of cyclodextrin-based products for the treatment of disease, we anticipate that our expenses will increase substantially as we:

- continue our ongoing and planned development of Trappsol® Cyclo™ for multiple indications;
- initiate, conduct and complete ongoing, anticipated or future preclinical studies and clinical trials for our current and future product candidates;

- seek marketing approvals for product candidates that successfully complete clinical trials; and
- establish a sales, marketing, and distribution infrastructure to commercialize products for which we may obtain marketing approval.

We will continue to incur significant losses until such time, if ever, as we are able to commercialize our drug candidates. If we are not able to do so we may not sustain a viable business.

#### **Risks Related to Product Development, Regulatory Approval and Commercialization**

*We are largely dependent upon the success of our Trappsol® Cyclo™ product, which may never receive regulatory approval.*

Our lead drug candidate, Trappsol® Cyclo™ is the focus of much of our management team's development efforts. The product is currently designated as an orphan drug for the treatment of NPC in the United States and Europe. We plan to continue to make substantial investment in continued research and development of our Trappsol® Cyclo™ product in connection with obtaining approval for marketing the product for the treatment of NPC, as well as Alzheimer's disease. The potential population of NPC patients is small, and our ability to market the drug for use other than research is severely constrained by regulatory restrictions. In the course of its development, our Trappsol® Cyclo™ drug product will be subject to extensive and rigorous government regulation through the European Medicines Agency in the E.U. and through the Food and Drug Administration (FDA) in the United States. Regulatory approval in any jurisdiction cannot be guaranteed. There can be no guarantees that our product will be effective and safe in the treatment of NPC, Alzheimer's disease or any other disease nor is there any guarantee that it will be deemed by the regulatory agencies of any jurisdiction to be effective and safe. Despite the time and expense involved in developing a drug candidate, failure of a drug candidate can occur at any stage of development and for many reasons, including without limitation negative or inconclusive results from pre-clinical data or clinical trials. Failure to comply with applicable regulatory requirements in any jurisdiction, either before or after product approval, may subject us to administrative or judicially imposed sanctions.

*Even if Trappsol® Cyclo™ receives regulatory approval, we may not be successful in our commercialization efforts and Trappsol® Cyclo™ may fail to achieve the degree of market acceptance by physicians, patients, healthcare payors and others in the medical community necessary for commercial success.*

Even if Trappsol® Cyclo™ receives regulatory approval, we may not be successful in our commercialization efforts and market acceptance by physicians, patients, third-party payors and others in the medical community may be less than estimated. Market acceptance will require us to build and maintain strong relationships with healthcare professionals involved in the treatment of NPC. The number of healthcare professionals associated with treatment centers that address NPC is limited. A failure to build or maintain these important relationships with these healthcare professionals and treatment centers could result in lower market acceptance. Our efforts to educate physicians, patients, third-party payors and others in the medical community on the benefits of Trappsol® Cyclo™ may require significant resources and may never be successful. The degree of market acceptance of Trappsol® Cyclo™, if approved for commercial sale, will depend on a number of factors, including:

- its efficacy;
- limitations or warnings or any restrictions on the use of Trappsol® Cyclo™, together with other medications, and the prevalence and severity of any side effects;

- the availability and efficacy of alternative treatments;
- the effectiveness of sales and marketing efforts and the strength of marketing and distribution support;
- the cost-effectiveness of Trappsol® Cyclo™ compared to alternative therapies and the ability to offer such drug for sale at competitive prices; and
- availability and amount of coverage and reimbursement from government payors, managed care plans and other third-party payors.

***The results of our clinical trials may not support our product claims or may result in the discovery of adverse side effects.***

Even if our clinical trials are completed as planned, we cannot be certain that their results will support our product claims or that any regulatory authority whose approval we will require in order to market and sell our products in any territory will agree with our conclusions regarding them. Success in pre-clinical studies and early clinical trials does not ensure that later clinical trials will be successful, and we cannot be sure that clinical trials will replicate the results of prior trials and pre-clinical studies. The clinical trial process may fail to demonstrate that our product candidates are safe and effective for the proposed indicated uses, which could cause us to abandon a product and may delay development of others. Any delay or termination of our clinical trials will delay the filing of our regulatory submissions and, ultimately, our ability to commercialize our product candidates and generate revenues. It is also possible that patients enrolled in clinical trials will experience adverse side effects that are not currently part of the product candidate's profile.

***Clinical trials involve a lengthy and expensive process with an uncertain outcome, and results of earlier studies and trials may not be predictive of future trial results.***

We have limited experience in conducting and managing the clinical trials necessary to obtain regulatory approvals, including FDA approval. Clinical trials are expensive and complex, can take many years and have uncertain outcomes. We cannot predict whether we will encounter problems with any of our completed, ongoing or planned clinical trials that will cause us or regulatory authorities to delay or suspend clinical trials, or delay the analysis of data from completed or ongoing clinical trials. We estimate that clinical trials of Trappsol® Cyclo™ for the treatment of NPC will continue for several years, but they may take significantly longer to complete. Failure can occur at any stage of the testing and we may experience numerous unforeseen events during, or as a result of, the clinical trial process that could delay or prevent commercialization of our current or future therapeutic candidates, including but not limited to:

- delays in securing clinical investigators or trial sites for the clinical trials;
- delays in obtaining institutional review board and other regulatory approvals to commence a clinical trial;
- slower than anticipated patient recruitment and enrollment;
- negative or inconclusive results from clinical trials;
- unforeseen safety issues;
- uncertain dosing issues;
- an inability to monitor patients adequately during or after treatment; and
- problems with investigator or patient compliance with the trial protocols.

A number of companies in the pharmaceutical and biotechnology industries have suffered significant setbacks in advanced clinical trials, even after seeing promising results in earlier clinical trials. Despite the results reported in earlier clinical trials for Trappsol® Cyclo™, we do not know whether any Phase III or other clinical trials we may conduct will demonstrate adequate efficacy and safety to result in regulatory approval to market Trappsol® Cyclo™. If later-stage clinical trials do not produce favorable results, our ability to obtain regulatory approval for Trappsol® Cyclo™ may be adversely impacted.

***Later discovery of previously unknown problems could limit our ability to market or sell Trappsol® Cyclo™, even if it is initially approved, and can expose us to product liability claims.***

Later discovery of previously unknown problems with a product, including adverse events of unanticipated severity or frequency, or with any third-party manufacturers or manufacturing processes, or failure to comply with regulatory requirements, may result in, among other things:

- refusals or delays in the approval of applications or supplements to approved applications;
- refusal of a regulatory authority to review pending market approval applications or supplements to approved applications;
- restrictions on the marketing or manufacturing of the product, withdrawal of the product from the market or voluntary or mandatory product recalls or seizures;
- fines, warning letters, or holds on clinical trials;
- import or export restrictions;
- injunctions or the imposition of civil or criminal penalties;
- restrictions on product administration, requirements for additional clinical trials, or changes to product labeling requirements; or
- recommendations by regulatory authorities against entering into governmental contracts with us.

Discovery of previously unknown problems or risks relating to our product could also subject us to potential liabilities through product liability claims.

***If we do not obtain required approvals in other countries in which we aim to market our products, we will be limited in our ability to export or sell the products in those markets.***

Our lack of experience in conducting clinical trials in any jurisdiction may negatively impact the approval process in those jurisdictions where we intend to seek approval of Trappsol® Cyclo™. If we are unable to obtain and maintain required approval from one or more foreign jurisdictions where we would like to sell Trappsol® Cyclo™, we will be unable to market products as intended, our international market opportunity will be limited and our results of operations will be harmed.

***We rely in part on third parties for research and clinical trials for products using Trappsol® Cyclo™.***

We rely on contract research organizations ("CROs"), academic institutions, corporate partners, and other third parties to assist us in managing, monitoring, and otherwise carrying out clinical trials and research activities. We rely or will rely heavily on these parties for the execution of our clinical studies and control only certain aspects of their activities. Accordingly, we may have less control over the timing and other aspects of these clinical trials than if we conducted them entirely on our own. Although we rely on these third parties to manage the data from clinical trials, we will be responsible for confirming that each of our clinical trials is conducted in accordance with its general investigational plan and protocol. Our failure, or the failure of third parties on which we rely, to comply with the strict requirements relating to conducting, recording, and reporting the results of clinical trials, or to follow good clinical practices, may delay the regulatory approval process or cause us to fail to obtain regulatory approval for Trappsol® Cyclo™.

***We currently have no marketing and sales organization for our pharmaceutical candidates and may have to invest significant resources to develop these capabilities. If we are unable to establish marketing and sales capabilities or enter into agreements with third parties to market and sell our product candidates, we may not be able to generate product revenue.***

We have no internal sales, marketing or distribution capabilities for the sale of biopharmaceutical products. If any of our drug candidates ultimately receives regulatory approval, we may not be able to effectively market and distribute it. We may have to seek collaborators, especially for marketing and sales outside of the United States, or invest significant amounts of financial and management resources to develop internal sales, distribution and marketing capabilities. We may not be able to enter into collaborations or hire consultants or external service providers to assist us in sales, marketing and distribution functions on acceptable financial terms, or at all. In addition, our product revenues and our profitability, if any, may be lower if we rely on third parties for these functions than if we were to market, sell and distribute products that we develop ourselves. We likely will have little control over such third parties, and any of them may fail to devote the necessary resources and attention to sell and market our products effectively. Even if we determine to perform sales, marketing and distribution functions ourselves, we could face a number of additional related risks, including:

- we may not be able to attract and build an effective marketing department or sales force;
- the cost of establishing a marketing department or sales force may exceed our available financial resources and the revenue generated by our product candidates that we may develop, in-license or acquire; and
- our direct sales and marketing efforts may not be successful.

***We rely upon third parties for the manufacture of Trappsol® Cyclo™ and are dependent on their quality and effectiveness.***

Trappsol® Cyclo™ requires precise, high-quality manufacturing. The failure to achieve and maintain high manufacturing standards, including the failure to conform to c-GMP (current Good Manufacturing Practice), or to detect or control anticipated or unanticipated manufacturing errors or the frequent occurrence of such errors, could result in discontinuance or delay of ongoing or planned clinical trials, delays or failures in product testing or delivery, cost overruns, product recalls or withdrawals, patient injury or death, and other problems that could seriously hurt our business. Contract drug manufacturers often encounter difficulties involving production yields, quality control and quality assurance and shortages of qualified personnel. These manufacturers are subject to stringent regulatory requirements, including the FDA's c-GMP regulations and similar foreign laws and standards. If our contract manufacturers fail to maintain ongoing compliance at any time, the production of our product candidates could be interrupted, resulting in delays or discontinuance of our clinical trials, additional costs and loss of potential revenues.

***We face competition from well-funded companies to treat NPC.***

We face competition from other entities, including pharmaceutical and biotechnology companies and governmental institutions that are working on supporting orphan drug designations and clinical trials for the neurological manifestations of NPC. Some of these entities are well-funded, with more financial, technical and personnel resources than we have, and have more experience than we do in designing and implementing clinical trials. If we are unable to compete effectively against our current or future competitors, sales of our Trappsol® Cyclo™ product may not grow and our financial condition may suffer.

***Our business and operations would suffer in the event of computer system failures or security breaches.***

In the ordinary course of our business, we collect, store and transmit confidential information, including intellectual property, proprietary business information and personal information. Despite the implementation of security measures, our internal computer systems, and those of our contract research organizations, or CROs, and other third parties on which we rely, are vulnerable to damage from computer viruses, unauthorized access, cyberattacks, natural disasters, fire, terrorism, war and telecommunication and electrical failures. Cyberattacks are increasing in their frequency, sophistication and intensity. Cyberattacks could include the deployment of harmful malware, denial-of-service attacks, social engineering and other means to affect service reliability and threaten the confidentiality, integrity and availability of information. Significant disruptions of our information technology systems or security breaches could adversely affect our business operations and/or result in the loss, misappropriation, and/or unauthorized access, use or disclosure of, or the prevention of access to, confidential information (including trade secrets or other intellectual property, proprietary business information and personal information), and could result in financial, legal, business and reputational harm to us. If such disruptions were to occur and cause interruptions in our operations, it could result in a material disruption of our product development programs. For example, the loss of clinical trial data from completed, ongoing or planned clinical trials could result in delays in our regulatory approval efforts and significantly increase our costs to recover or reproduce the data. Further, the COVID-19 pandemic has resulted in a significant number of our employees and partners working remotely, which increases the risk of a data breach or issues with data and cybersecurity. To the extent that any disruption or security breach results in a loss of, or damage to, our data or applications, or inappropriate disclosure of confidential or proprietary information, we could incur liability and the further development of our future product candidates could be delayed.

## Risks Related to Our Intellectual Property

### *The rights we rely upon to protect our unpatented trade secrets may be inadequate.*

To manufacture and produce Trappsol® Cyclo™, we rely primarily on unpatented trade secrets, know-how and technology which are difficult to protect, especially in the pharmaceutical industry, where much of the information about a product must be made public during the regulatory approval process. We seek to protect trade secrets, in part, by entering into confidentiality agreements with third-party manufacturers, employees, consultants and others. These parties may breach or terminate these agreements or may refuse to enter into such agreements with us, and we may not have adequate remedies for such breaches. Furthermore, these agreements may not provide meaningful protection for our trade secrets or other proprietary information and may not provide an adequate remedy in the event of unauthorized use or disclosure of confidential information or other breaches of the agreements. Despite our efforts to protect our trade secrets, we or others may unintentionally or willfully disclose our proprietary information to competitors.

If we fail to maintain trade secret protection, our competitive position may be adversely affected. Competitors may also independently discover our trade secrets. Enforcement of claims that a third party has illegally obtained and is using trade secrets is expensive, time consuming and uncertain. If our competitors independently develop equivalent knowledge, methods and know-how, we would not be able to assert our trade secrets against them and our business could be harmed.

### **We cannot ensure that patent rights relating to inventions described and claimed in our pending patent applications will issue or that patents based on our patent applications will not be challenged and rendered invalid and/or unenforceable.**

We have received notices of allowances from the USPTO and the European Patent Office regarding our patent applications for methods of treating Alzheimer's disease. We have patent applications pending with respect to the treatment of Alzheimer's disease with Trappsol® Cyclo™. However, we cannot predict:

- if and when patents may issue based on our patent applications;
- the scope of protection of any patent issuing based on our patent applications;
- whether the claims of any patent issuing based on our patent applications will provide protection against competitors;
- whether or not third parties will find ways to invalidate or circumvent our patent rights, or claim co-ownership rights in our patent rights, which may impact our ability to enforce our patent rights against third parties;
- whether or not others will obtain patents claiming aspects similar to those covered by our patents and patent applications; or
- whether we will need to initiate litigation or administrative proceedings to enforce and/or defend our patent rights which will be costly whether we win or lose.

We cannot be certain that the claims in our pending patent applications will be considered patentable by the U.S. Patent and Trademark Office or by patent offices in foreign countries. Even if the patents do issue based on our patent applications, third parties may challenge the validity, enforceability or scope thereof, which may result in such patents being narrowed, invalidated or held unenforceable. Furthermore, even if they are unchallenged, our patents may not adequately exclude third parties from practicing relevant technology or prevent others from designing around our claims. If the breadth or strength of our intellectual property position with respect to our product candidates is threatened, it could dissuade companies from collaborating with us and threaten our ability to commercialize our product candidates. It is possible that third parties with whom we have collaborated may contend that they co-own patent rights we have filed, which, if correct and in the absence of an agreement to the contrary, could prevent us from asserting the patent rights against our competitors. Furthermore, in the event of litigation or administrative proceedings, we cannot be certain that the claims in any of our issued patents will be considered valid by courts in the United States or foreign countries.

***We are susceptible to intellectual property suits that could cause us to incur substantial costs or pay substantial damages or prohibit us from selling our product candidates.***

There is a substantial amount of litigation over patent and other intellectual property rights in the biotechnology industry. Whether or not a product infringes a patent involves complex legal and factual considerations, the determination of which is often uncertain. Searches typically performed to identify potentially infringed patents of third parties are often not conclusive and, because patent applications can take many years to issue, there may be applications now pending, which may later result in issued patents which our current or future products may infringe or be alleged to infringe. In addition, our competitors or other parties may assert that our product candidates and the methods employed may be covered by patents held by them. If any of our products infringes a valid patent, we could be prevented from manufacturing or selling such product unless we are able to obtain a license or able to redesign the product in such a manner as to avoid infringement. A license may not always be available or may require us to pay substantial royalties. We also may not be successful in any attempt to redesign our product to avoid infringement, nor does a later redesign protect the Company from prior infringement. We are aware of third party U.S. patents and patent applications, which may be relevant to our lead product candidate Trappsol® Cyclo™ for treating Niemann-Pick Type C disease. Although we believe that we would not infringe a valid claim of those patents or pending patent applications, if issued, the owner of the patent rights may disagree with our assessment and bring an infringement action against us. There is no assurance that a court would find in our favor on questions of infringement or validity. Infringement and other intellectual property claims, with or without merit, can be expensive and time-consuming to litigate and can divert our management's attention from operating our business.

***We may need to initiate lawsuits to protect or enforce our intellectual property rights, which could be expensive and, if we lose, could cause us to lose some of our intellectual property rights, which would harm our ability to compete in the market.***

In order to protect or enforce our intellectual property rights, we may initiate patent, trademark and related litigation against third parties, such as infringement suits or requests for injunctive relief. Our ability to establish and maintain a competitive position may be achieved in part by prosecuting claims against others who we believe to be infringing its rights. Any lawsuits that we initiate could be expensive, take significant time and divert our management's attention from other business concerns and the outcome of litigation to enforce our intellectual property rights in patents, trade secrets or trademarks is highly unpredictable. Litigation also puts our patents at risk of being invalidated or interpreted narrowly and our patent applications at risk of not issuing, or adversely affect our ability to distribute any products that are subject to such litigation. In addition, we may provoke third parties to assert claims against us. We may not prevail in any lawsuits that we initiate, and the damages or other remedies awarded, including attorney fees, if any, may not be commercially valuable.

#### **Risks Related to Legal and Regulatory Compliance Matters**

***The pharmaceutical business is subject to increasing government regulation and reform, including with respect to price controls, reimbursement and access to drugs, which could adversely affect our future revenues and profitability.***

To the extent our products are developed, commercialized, and successfully introduced to market, they may not be considered cost-effective, and third-party or government reimbursement might not be available or sufficient. Globally, governmental and other third-party payors are becoming increasingly aggressive in attempting to contain health care costs by strictly controlling, directly or indirectly, pricing and reimbursement and, in some cases, limiting or denying coverage altogether on the basis of a variety of justifications, and we expect pressures on pricing and reimbursement from both governments and private payors inside and outside the U.S. to continue.

If we obtain the required regulatory approval to sell our drug candidates, we will be subject to substantial pricing, reimbursement, and access pressures from state Medicaid programs, private insurance programs and pharmacy benefit managers, and the implementation of U.S. health care reform legislation that is increasing these pricing pressures. The Patient Protection and Affordable Care Act, as amended by the Health Care and Education Affordability Reconciliation Act, instituted comprehensive health care reform, and includes provisions that, among other things, reduce and/or limit Medicare reimbursement, and impose new and/or increased taxes. The future of the Affordable Care Act and its constituent parts are uncertain at this time.

In almost all markets, pricing and choice of prescription pharmaceuticals are subject to governmental control. Therefore, the price of our products and their reimbursement in Europe and in other countries is and will be determined by national regulatory authorities. Reimbursement decisions from one or more of the European markets may impact reimbursement decisions in other European markets. A variety of factors are considered in making reimbursement decisions, including whether there is sufficient evidence to show that treatment with the product is more effective than current treatments, that the product represents good value for money for the health service it provides, and that treatment with the product works at least as well as currently available treatments.

The continuing efforts of government and insurance companies, health maintenance organizations, and other payors of health care costs to contain or reduce costs of health care may affect our future revenues and profitability or those of our potential customers, suppliers, and collaborative partners, as well as the availability of capital.

***United States federal and state privacy laws, and equivalent laws of other nations, may increase our costs of operation and expose us to civil and criminal sanctions.***

Regulation of data processing is evolving, as federal, state, and foreign governments continue to adopt new, or modify existing, laws and regulations addressing data privacy and security, and the collection, processing, storage, transfer, and use of data. These new or proposed laws and regulations are subject to differing interpretations and may be inconsistent among jurisdictions, and guidance on implementation and compliance practices are often updated or otherwise revised, which adds to the complexity of processing personal data. These and other requirements could require us or our collaborators to incur additional costs to achieve compliance, limit our competitiveness, necessitate the acceptance of more onerous obligations in our contracts, restrict our ability to use, store, transfer, and process data, impact our or our collaborators' ability to process or use data in order to support the provision of our products, affect our or our collaborators' ability to offer our products in certain locations, or cause regulators to reject, limit or disrupt our clinical trial activities.

We and our collaborators may be subject to federal, state and foreign data protection laws and regulations (i.e., laws and regulations that address privacy and data security). In the United States, numerous federal and state laws and regulations, including federal health information privacy laws, state personal information laws, state data breach notification laws, state health information privacy laws and federal and state consumer protection laws and regulations that govern the collection, use, disclosure and protection of health-related and other personal information could apply to our operations or the operations of our collaborators. In addition, we may obtain health information from third parties (including research institutions from which we obtain clinical trial data) that are subject to privacy and security requirements under the federal Health Insurance Portability and Accountability Act of 1996, or HIPAA, as amended by the Health Information Technology for Economic and Clinical Health Act of 2009, or HITECH. Depending on the facts and circumstances, we could be subject to civil or criminal penalties if we knowingly use or disclose individually identifiable health information maintained by a HIPAA-covered entity in a manner that is not authorized or permitted by HIPAA.

#### **Risks Related to Employee Matters**

***We are dependent on our executive officers, and we may not be able to pursue our current business strategy effectively if we lose them.***

Our success to date has largely depended on the efforts and abilities of our executive officers, namely N. Scott Fine, our Chief Executive Officer, Jeffrey L. Tate, Ph.D., our Chief Operating Officer, and Josh Fine, our Chief Financial Officer. Our ability to manage our operations and meet our business objectives could be adversely affected if, for any reason, such officers do not remain with us.

***Our employees, clinical trial investigators, CROs, consultants, vendors and any potential commercial partners may engage in misconduct or other improper activities, including non-compliance with regulatory standards.***

We are exposed to the risk of fraud or other misconduct by our employees, clinical trial investigators, CROs, consultants, vendors and any potential commercial partners. Misconduct by these parties could include intentional, reckless and/or negligent conduct or disclosure of unauthorized activities to us that violates: (i) U.S. laws and regulations or those of foreign jurisdictions, including those laws that require the reporting of true, complete and accurate information, (ii) manufacturing standards, (iii) federal and state health and data privacy, security, fraud and abuse, government price reporting, transparency reporting requirements, and other healthcare laws and regulations in the United States and abroad or (iv) laws that require the true, complete and accurate reporting of financial information or data. Such misconduct could also involve the improper use of information obtained in the course of clinical trials, which could result in regulatory sanctions and cause serious harm to our reputation. We have adopted a code of conduct applicable to all of our employees, as well as a disclosure program and other applicable policies and procedures, but it is not always possible to identify and deter employee misconduct, and the precautions we take to detect and prevent this activity may not be effective in controlling unknown or unmanaged risks or losses or in protecting us from governmental investigations or other actions or lawsuits stemming from a failure to comply with these laws or regulations. If any such actions are instituted against us, and we are not successful in defending ourselves or asserting our rights, those actions could have a significant impact on our business, including the imposition of significant civil, criminal and administrative penalties, damages, fines, disgorgement, individual imprisonment, exclusion from government funded healthcare programs, such as Medicare, Medicaid and other federal healthcare programs, contractual damages, reputational harm, diminished profits and future earnings, additional integrity reporting and oversight obligations, and the curtailment or restructuring of our operations, any of which could adversely affect our ability to operate our business and our results of operations.

***If we fail to comply with the U.S. federal Anti-Kickback Statute and similar state and foreign country laws, we could be subject to criminal and civil penalties and exclusion from federally funded healthcare programs including the Medicare and Medicaid programs and equivalent third country programs, which would have a material adverse effect on our business and results of operations.***

A provision of the Social Security Act, commonly referred to as the federal Anti-Kickback Statute, prohibits the knowing and willful offer, payment, solicitation or receipt of any form of remuneration, directly or indirectly, in cash or in kind, to induce or reward the referring, ordering, leasing, purchasing or arranging for, or recommending the ordering, purchasing or leasing of, items or services payable, in whole or in part, by Medicare, Medicaid or any other federal healthcare program. The federal Anti-Kickback Statute is very broad in scope and many of its provisions have not been uniformly or definitively interpreted by existing case law or regulations. In addition, many states have adopted laws similar to the federal Anti-Kickback Statute that apply to activity in those states, and some of these laws are even broader than the federal Anti-Kickback Statute in that their prohibitions may apply to items or services reimbursed under Medicaid and other state programs or, in several states, apply regardless of the source of payment. Violations of the federal Anti-Kickback Statute may result in substantial criminal, civil or administrative penalties, damages, fines and exclusion from participation in federal healthcare programs.

While we believe our operations will be in compliance with the federal Anti-Kickback Statute and similar state laws, we cannot be certain that we will not be subject to investigations or litigation alleging violations of these laws, which could be time-consuming and costly to us and could divert management's attention from operating our business, which in turn could have a material adverse effect on our business. In addition, if our arrangements were found to violate the federal Anti-Kickback Statute or similar state laws, the consequences of such violations would likely have a material adverse effect on our business, results of operations and financial condition.

#### **Risks Related To Our Fine Chemical Business**

***A small number of our customers account for a substantial portion of our revenue, and the loss of any of these customers would materially decrease our revenues.***

In 2023, two major customers accounted for 72% of total revenues. Accounts receivable balances for these major customers represents 77% of total accounts receivable at December 31, 2023. We have a supply contract with only one of our major customers. The loss of one of these customers would materially decrease our revenues if we were unable to replace such customers.

***We are dependent on certain third-party suppliers.***

We purchase the Trappsol® cyclodextrin products we sell from third-party suppliers and depend on those suppliers for the cyclodextrins we use in our Aquaplex® products. We are also dependent on outside manufacturers that use lyophilization techniques for our Aquaplex® products. We purchase substantially all of our Trappsol® products from bulk manufacturers and distributors in the U.S., Japan, China, and Europe. Although products are available from multiple sources, an unexpected interruption of supply, or material increases in the price of products, for any reason, such as regulatory requirements, import restrictions, loss of certifications, power interruptions, fires, hurricanes, war or other events could have a material adverse effect on our business, results of operations, financial condition and cash flows.

*We may be negatively affected by currency exchange rate fluctuations.*

Our earnings and cash flows are influenced by currency fluctuations due to the geographic diversity of our suppliers, which may have a significant impact on our financial results. As we buy inventory from foreign suppliers, the change in the value of the U.S. dollar in relation to the Euro, Yen and Yuan has an effect on our cost of inventory, and will continue to do so. We buy most of our products from outside the U.S. using U.S. dollars. Our main supplier of specialty cyclodextrins and complexes, Cyclodextrin Research & Development Laboratory, is located in Hungary and its prices are set in Euros. The cost of our bulk inventory often changes due to fluctuations in the U.S. dollar. These products currently represent a significant portion of our revenues. When we experience short-term increases in currency fluctuation or supplier price increases, we are often not able to raise our prices sufficiently to maintain our historical margins and therefore, our margins on these sales may decline. If the U.S. dollar weakens against foreign currencies, the translation of these foreign currency denominated transactions may adversely affect our results of operations and financial condition.

#### **Risks Related To Our Common Stock**

*The market price of our Common Stock may be highly volatile, and you could lose all or part of your investment.*

The trading price of our Common Stock and warrants is likely to be volatile. This volatility may prevent you from being able to sell your securities at or above the price you paid for your securities. Our stock price and warrant price could be subject to wide fluctuations in response to a variety of factors, which include:

- whether we achieve our anticipated corporate objectives;
- changes in financial or operational estimates or projections;
- termination of the lock-up agreement or other restrictions on the ability of our stockholders and other security holders to sell shares after this offering; and
- general economic or political conditions in the United States or elsewhere.

In addition, the stock market in general, and the stock of clinical stage biotechnology companies in particular, have experienced extreme price and volume fluctuations that have often been unrelated or disproportionate to the operating performance of these companies. Broad market and industry factors may negatively affect the market price of our Common Stock, regardless of our actual operating performance.

*If we are delisted from The Nasdaq Capital Market, and our shares become subject to the penny stock rules, it would become more difficult to trade our shares.*

The SEC has adopted rules that regulate broker-dealer practices in connection with transactions in penny stocks. Penny stocks are generally equity securities with a price of less than \$5.00, other than securities registered on certain national securities exchanges or authorized for quotation on certain automated quotation systems, provided that current price and volume information with respect to transactions in such securities is provided by the exchange or system. If we do not maintain a listing on Nasdaq and if the price of our Common Stock is less than \$5.00, our Common Stock will be deemed a penny stock. The penny stock rules require a broker-dealer, before a transaction in a penny stock not otherwise exempt from those rules, to deliver a standardized risk disclosure document containing specified information. In addition, the penny stock rules require that before effecting any transaction in a penny stock not otherwise exempt from those rules, a broker-dealer must make a special written determination that the penny stock is a suitable investment for the purchaser and receive (i) the purchaser's written acknowledgment of the receipt of a risk disclosure statement; (ii) a written agreement to transactions involving penny stocks; and (iii) a signed and dated copy of a written suitability statement. These disclosure requirements may have the effect of reducing the trading activity in the secondary market for our Common Stock, and therefore stockholders may have difficulty selling their shares.

***Our failure to meet the continued listing requirements of The Nasdaq Capital Market could result in a de-listing of our securities.***

During fiscal 2023, we receive notices of non-compliance with the regulatory requirements for Nasdaq. If we fail to satisfy the continued listing requirements of Nasdaq, such as the corporate governance requirements or the minimum closing bid price requirement, Nasdaq may take steps to de-list our securities. Such a de-listing would likely have a negative effect on the price of our Common Stock and would impair your ability to sell or purchase our Common Stock when you wish to do so. In the event of a de-listing, we would take actions to restore our compliance with Nasdaq's listing requirements, but we can provide no assurance that any such action taken by us would allow our Common Stock to become listed again, stabilize the market price or improve the liquidity of our securities, prevent our Common Stock from dropping below the Nasdaq minimum bid price requirement or prevent future non-compliance with Nasdaq's listing requirements.

***We will indemnify and hold harmless our officers and directors to the maximum extent permitted by Nevada law.***

Our bylaws provide that we will indemnify and hold harmless our officers and directors against claims arising from our activities to the maximum extent permitted by Nevada law. If we were called upon to perform under our indemnification agreement, then the portion of our assets expended for such purpose would reduce the amount otherwise available for our business.

***Because we do not expect to pay dividends for the foreseeable future, investors seeking cash dividends should not purchase shares of Common Stock.***

We have never declared or paid any cash dividends on our Common Stock. We currently intend to retain future earnings, if any, to finance the expansion of our business. As a result, we do not anticipate paying any cash dividends in the foreseeable future. Our payment of any future dividends will be at the discretion of our Board of Directors after taking into account various factors, including but not limited to our financial condition, operating results, cash needs, growth plans and the terms of any credit agreements that we may be a party to at the time. Accordingly, investors seeking cash dividends should not purchase our shares.

**Item 1B. Unresolved Staff Comments.**

Not applicable.

**Item 1C. Cybersecurity.**

**Risk Management and Strategy**

We have established policies and processes for assessing, identifying, and managing risks from cybersecurity threats, and have integrated these processes into our overall risk management systems and processes. We routinely assess risks from cybersecurity threats, including any potential unauthorized occurrence on or conducted through our information systems that may result in adverse effects on the confidentiality, integrity, or availability of our information systems or any information residing therein.

We conduct periodic risk assessments to identify cybersecurity threats, as well as assessments in the event of a material change in our business practices that may affect information systems that are vulnerable to such cybersecurity threats. These risk assessments include identification of reasonably foreseeable internal and external risks, the likelihood and potential damage that could result from such risks, and the sufficiency of existing policies, procedures, systems, and safeguards in place to manage such risks.

Following these risk assessments, we evaluate whether and how to re-design, implement, and maintain reasonable safeguards to minimize identified risks; reasonably address any identified gaps in existing safeguards; and regularly monitor the effectiveness of our safeguards. We devote significant resources and designate high-level personnel, including our Vice President of Finance, who reports to our Chief Financial Officer, to manage the risk assessment and mitigation process.

As part of our overall risk management system, we monitor our safeguards and train our employees on these safeguards. Personnel at all levels and departments are made aware of our cybersecurity policies through trainings integrated into new employee onboarding processes and annual employee re-training.

We engage consultants, experts, or other third parties in connection with our risk assessment processes. These third parties assist us in designing and implementing our cybersecurity policies and procedures, as well as in monitoring and testing our safeguards.

We require each third-party service provider who may have access to our systems and/or our sensitive data to confirm that it has the ability to implement and maintain appropriate security measures, consistent with all applicable laws, to implement and maintain reasonable security measures in connection with their work with us, and to promptly report any suspected breach of its security measures that may affect our company.

We have not experienced any cybersecurity incidents that have been determined to be material in the past, however, like other life sciences technology companies, we have experienced cybersecurity incidents and may continue to experience them in the future. For additional information regarding whether any risks from cybersecurity threats, including as a result of any previous cybersecurity incidents, materially affected or are reasonably likely to materially affect our company, including our business strategy, results of operations, or financial condition, please refer to Item 1A, "Risk Factors," in this Annual Report on Form 10-K, including, for example, the risk factor entitled "*Our business and operations would suffer in the event of computer system failures or security breaches.*"

## **Governance**

One of the key functions of our Board of Directors is informed oversight of our risk management process, including risks from cybersecurity threats. Our Board of Directors is responsible for monitoring and assessing strategic risk exposure, and our executive officers are responsible for the day-to-day management of the material risks we face. Our Board of Directors administers its cybersecurity risk oversight function directly as a whole.

Our Vice President of Finance and our management committee on cybersecurity, which includes our Chief Financial Officer and outside consultants, who collectively possess significant experience in evaluating, managing and mitigating security and other risks, including cybersecurity risks, are primarily responsible to assess and manage our material risks from cybersecurity threats.

Our Vice President of Finance and our management committee on cybersecurity oversee our cybersecurity policies and processes, including those described in "Risk Management and Strategy" above. The processes by which our Vice President of Finance and representatives from our management committee on cybersecurity are informed about and monitor the prevention, detection, mitigation, and remediation of cybersecurity incidents includes the following:

- monitoring of Company computer and information systems for potential malware, ransomware and other malicious activity, and remediation of identified issues, including mitigation of identified risks and containment and elimination of any malicious software;
- mandatory cybersecurity training as part of new employee onboarding along with required annual employee cybersecurity re-training;
- monitoring of systems and network infrastructure by security information and event management application;
- prompt incident reporting directly to the Company's CFO; and
- escalation to the Company's audit committee and board of directors as warranted based upon the nature of the identified issue.

Our Vice President of Finance and/or representatives from our management committee on cybersecurity provide periodic briefings to our Board of Directors regarding our Company's cybersecurity risks and activities, including any recent cybersecurity incidents and related responses, cybersecurity systems testing, activities of third parties, and the like.

## **Item 2. Properties.**

Our corporate headquarters are located in Gainesville, Florida, where we lease and occupy approximately 2,500 square feet of office and warehouse space. Our lease for this space expires on January 31, 2026, with a three year renewal option, for \$1,700 per month. We believe that this leased property is currently sufficient for our operating requirements, and that we will be able to find alternative space suitable for our needs in the event we are unable to renew this lease upon its expiration. In conjunction with the closing of the Merger Agreement with AMTI on December 27, 2023, the Company assumed an operating lease for office space which is being subleased to a third party. The lease and sublease agreement expire in August 2024.

**Item 3. Legal Proceedings.**

Our legal proceedings are discussed in Note 13 – Commitments and Contingencies in the notes to our consolidated financial statements in this Annual Report on Form 10-K.

From time to time, we are a party to claims and legal proceedings arising in the ordinary course of business. Our management evaluates our exposure to these claims and proceedings individually and in the aggregate and allocates additional monies for potential losses on such litigation if it is possible to estimate the amount of loss and if the amount of the loss is probable. Other than as set forth above, we are not currently involved in any litigation nor to our knowledge, is any litigation threatened against us, the outcome of which would, in our judgment based on information currently available to us, have a material adverse effect on our financial position or results of operations.

**Item 4. Mine Safety Disclosures.**

Not applicable.

## PART II

### Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

Our common stock and warrants are traded on the Nasdaq Capital Market under the symbols "CYTH" and "CYTHW" respectively.

#### Holders

As of March 11, 2024, the number of holders of record of shares of Common Stock, excluding the number of beneficial owners whose securities are held in street name, was 185.

#### Dividend Policy

The Company did not pay dividends in 2023 and does not expect to pay any cash dividends on its Common Stock in 2024 because it intends to retain its earnings to finance the expansion of its business. Any future declaration of dividends will be determined by the Board of Directors in light of conditions then existing, including without limitation the Company's financial condition, capital requirements and business condition.

#### Unregistered Sales of Equity Securities

On November 28, 2023, the Company issued an aggregate of 63,781 fully vested shares of its common stock to its non-employee directors in lieu of cash compensation. These grants reflects director compensation for the fourth quarter of 2023. The number of shares received in lieu of cash was calculated based on the closing price of the Company's common stock on November 28, 2023 which was \$1.34 per share. The shares of common stock issued to the non-employee directors contain a Rule 144 restrictive legend and are exempt from registration in reliance on Section 4(a)(2) of the Securities Act of 1933, as amended, as a transaction by an issuer not involving a public offering.

#### Purchases of Equity Securities by the Issuer and Affiliated Purchasers

We did not purchase any shares of our common stock or other equity securities of our Company during the year ended December 31, 2023

### Item 6. [Reserved]

Not applicable.

### Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

*This Management's Discussion and Analysis of Financial Condition and Results of Operations, and other parts of this Annual Report on Form 10-K contain forward-looking statements that involve risks and uncertainties. All forward-looking statements included in this Annual Report are based on information available to us on the date hereof, and we assume no obligation to update any such forward-looking statements. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of a number of factors, including those set forth in the section captioned "Risk Factors" in this Annual Report. The following should be read in conjunction with our audited financial statements included elsewhere herein.*

## Overview

We are a clinical stage biotechnology company that develops cyclodextrin-based products for the treatment of neurodegenerative diseases. We filed a Type II Drug Master File with the U.S. Food and Drug Administration ("FDA") in 2014 for our lead drug candidate, Trappsol® Cyclo™ (hydroxypropyl beta cyclodextrin) as a treatment for Niemann-Pick Type C disease ("NPC"). NPC is a rare and fatal autosomal recessive genetic disease resulting in disrupted cholesterol metabolism that impacts the brain, lungs, liver, spleen, and other organs. In 2015, we launched an International Clinical Program for Trappsol® Cyclo™ as a treatment for NPC. In 2016, we filed an Investigational New Drug application ("IND") with the FDA, which described our Phase I clinical plans for a randomized, double blind, parallel group study at a single clinical site in the U.S. The Phase I study evaluated the safety and pharmacokinetics of Trappsol® Cyclo™ along with markers of cholesterol metabolism and markers of NPC during a 12-week treatment period of intravenous administration of Trappsol® Cyclo™ every two weeks to participants 18 years of age and older. The IND was approved by the FDA in September 2016, and in January 2017 the FDA granted Fast Track designation to Trappsol® Cyclo™ for the treatment of NPC. Initial patient enrollment in the U.S. Phase I study commenced in September 2017, and in May 2020 we announced Top Line data showing a favorable safety and tolerability profile for Trappsol® Cyclo™ in this study.

We have also completed a Phase I/II clinical study approved by European regulatory bodies with clinical trial centers in the United Kingdom, Sweden, and in Israel. The Phase I/II study evaluated the safety, tolerability and efficacy of Trappsol® Cyclo™ through a range of clinical outcomes, including neurologic, respiratory, and measurements of cholesterol metabolism and markers of NPC. Consistent with the 12-week phase I study (single US site), the European/Israel study administered Trappsol® Cyclo™ intravenously to NPC patients every two weeks in a double-blind, randomized trial, but differs in that the study period was for 48 weeks (24 doses). In March of 2021 we announced that 100% of patients who completed the trial (9 out of 12) improved or remained stable, and 89% met the efficacy outcome measure of improvement in at least two domains of the 17-domain NPC severity scale.

Additionally, in February 2020 we had a face-to-face "Type C" meeting with the FDA with respect to the initiation of our pivotal Phase III clinical trial of Trappsol® Cyclo™ based on the clinical data obtained to date. At that meeting, we also discussed with the FDA submitting a New Drug Application (NDA) under Section 505(b)(1) of the Federal Food, Drug, and Cosmetic Act for the treatment of NPC in pediatric and adult patients with Trappsol® Cyclo™. A similar request was submitted to the European Medicines Agency ("EMA") in February 2020, seeking scientific advice and protocol assistance from the EMA for proceeding with a Phase III clinical trial in Europe. In October 2020 we received a "Study May Proceed" notification from the FDA with respect to the proposed Phase III clinical trial, and in June of 2021 we commenced enrollment in TransportNPC, a pivotal Phase III study of Trappsol® Cyclo™ for the treatment of NPC.

Preliminary data from our completed clinical studies suggest that Trappsol® Cyclo™ clears toxic deposits of cholesterol and other lipids from cells, has a consistent pharmacokinetic profile peripherally, and crosses the blood-brain-barrier in individuals suffering from NPC, and results in neurological and neurocognitive benefits and other clinical improvements in NPC patients. The full significance of these findings will be determined as part of the final analysis of data derived from our clinical trials (both completed and ongoing).

On May 17, 2010, the FDA designated Trappsol® Cyclo™ as an orphan drug for the treatment of NPC, which would provide us with the exclusive right to sell Trappsol® Cyclo™ for the treatment of NPC for seven years following FDA drug approval. In April 2015, we also obtained Orphan Drug Designation for Trappsol® Cyclo™ in Europe, which will provide us with 10 years of market exclusivity following regulatory approval, which period will be extended to 12 years upon acceptance by the EMA's Pediatric Committee of our pediatric investigation plan (PIP) demonstrating that Trappsol® Cyclo™ addresses the pediatric population. On January 12, 2017, we received Fast Track Designation from the FDA, and on December 1, 2017, the FDA designated NPC a Rare Pediatric Disease.

We are also exploring the use of cyclodextrins in the treatment of Alzheimer's disease. In January 2018, the FDA authorized a single patient IND expanded access program using Trappsol® Cyclo™ for the treatment of Alzheimer's disease. After 18 months of treatment in this geriatric patient with late-onset disease, the disease was stabilized and the drug was well tolerated. The patient also exhibited signs of improvement with less volatility and shorter latency in word-finding. We prepared a synopsis for an early stage protocol using Trappsol® Cyclo™ intravenously to treat Alzheimer's disease that was presented to the FDA in January of 2021. We received feedback from the FDA on this synopsis in April 2021 and incorporated the feedback into an IND for a Phase II study for the treatment of Alzheimer's disease with of Trappsol® Cyclo™ that we submitted to the FDA in November 2021. In December of 2021, we received IND clearance from the FDA, allowing us to proceed with our Phase II study of Trappsol® Cyclo™ for the treatment of Alzheimer's disease. U.S. sites for the study were activated during the second half of 2022, with patient dosing beginning in the first quarter of 2023.

We filed an international patent application in October 2019 under the Patent Cooperation Treaty directed to the treatment of Alzheimer's disease with cyclodextrins, and we are pursuing national and regional stage applications based on this international application. Subsequent to year-end, in January 2024, the Company received a Notice of Allowance from the United States Patent and Trademark Office (USPTO) regarding an existing patent application for the treatment of Alzheimer's disease. The terms of any patents resulting from these national or regional stage applications would be expected to expire in 2039 if all the requisite maintenance fees are paid.

On January 2024, we received a notice of allowance of our patent application for the treatment of Alzheimer's disease from the U.S. Patent and Trademark Office ("USPTO") regarding our Patent Application No. 17/289,137 "Methods of Treating Alzheimer's Disease."

We also continue to operate our legacy fine chemical business, consisting of the sale of cyclodextrins and related products to the pharmaceutical, nutritional, and other industries, primarily for use in diagnostics and specialty drugs. However, our core business has transitioned to a biotechnology company primarily focused on the development of cyclodextrin-based biopharmaceuticals for the treatment of disease from a business that had been primarily reselling basic cyclodextrin products.

### ***Merger Agreement***

On September 21, 2023, we entered into an Agreement and Plan of Merger ("Merger Agreement") with Cameo Merger Sub, Inc., a Delaware corporation and a wholly owned subsidiary of us, and Applied Molecular Transport, Inc., a Delaware corporation ("AMTF"). The merger was closed on December 27, 2023, in an all-stock transaction. More information regarding the merger and the terms of the Merger Agreement are discussed in Note 1 – Organization and Description of Business and Note 12-Merger with Applied Molecular Transport, Inc. of the notes to Consolidated Financial Statements contained elsewhere in this Annual Report on Form 10-K.

### ***Nasdaq Delisting Notice***

On May 14, 2023, the Company received a letter from the Listing Qualifications Staff ("Nasdaq Staff") stating that the Company was not in compliance with its rule regarding minimum stockholders' equity ("Stockholders Equity Rule" or "Rule") of \$2.5 million as of its quarter ended March 31, 2023. The Company submitted a Compliance Plan to Nasdaq to regain compliance with this Rule. On August 1, 2023, Nasdaq notified the Company that based on its review of the Compliance Plan, the Company was granted an extension to regain compliance with the Rule.

Upon closing of the merger, as described above, the Company's stockholders' equity exceeded the minimum required by the Rule. On January 17, 2024, we received a notice of compliance letter from Nasdaq, informing the Company that its deficiency under the Stockholders' Equity Rule had been cured and the Company is in compliance with all applicable Nasdaq listing standards. Accordingly, the Company's securities will continue to be listed and traded on Nasdaq.

### ***Year Ended December 31, 2023 Compared to Year Ended December 31, 2022***

For 2023, we incurred a net loss of approximately \$20,057,000, compared to a net loss of approximately \$15,451,000 in 2022. Total revenues for 2023 were approximately \$1,076,000 compared to approximately \$1,376,000 for 2022.

Our change in the mix of our product sales for 2023 and 2022 is as follows:

#### **Trappsol® Cyclo™ HPBCDs**

First and second-generation formulations of Trappsol® Cyclo™ HPBCD (in liquid and powder form) have been sold to a single customer who exports to Brazil for compassionate use in NPC patients. Sales decreased 80% to approximately \$1,000 for 2023 from approximately \$5,000 for 2022. This product is designated as an orphan drug; the population of patients who use the product on a compassionate basis is small.

#### **Trappsol® HPB**

Our sales of Trappsol® HPB decreased 24% to approximately \$650,000 for 2023 from approximately \$852,000 for 2022.

#### **Trappsol® other products**

Our sales of other Trappsol® products decreased 18% to approximately \$411,000 for 2023 from approximately \$501,000 for 2022.

### Aquaplex®

Our sales of Aquaplex® increased to approximately \$10,000 for 2023 compared to approximately \$5,000 for 2022, and are primarily attributable to a single customer. The decrease in sales is representative of the periodic purchasing pattern of our primary Aquaplex® customer. Aquaplex® sales to this customer for the last five years were approximately \$10,000 in 2023, \$5,000 in 2022, \$185,000 in 2021, \$7,000 in 2020, and \$150,000 in 2019.

The largest customers of our legacy fine chemical business continue to follow historical product ordering trends to place periodic large orders that represent a significant share of our annual revenue volume. In 2023, our two largest customers (Charles River Laboratories, Inc. and Ventana Medical Systems, Inc.) accounted for 72% of our revenues, and the largest accounted for 45% of our revenues. In 2022, our three largest customers (Charles River Laboratories, Inc., Ventana Medical Systems, Inc., and Uno Healthcare) accounted for 68% of our revenues, and the largest accounted for 35% of our revenues. Historically, our usual smaller sales of HPB occur more frequently throughout the year compared to our large sales that we receive periodically. The timing of when we receive and are able to complete these two kinds of sales has a significant effect on our quarterly revenues and operating results and makes period to period comparisons difficult.

Our cost of products sold decreased to approximately \$84,000 for 2023 compared to approximately \$139,000 for 2022. Our cost of products sold as a percentage of product sales was 8% for 2023 as compared to 10% in 2022. This percentage is a function of the sales make up by product mix as well as customer order size. Historically, the timing and product mix of sales to our large customers has had a significant effect on our sales, cost of products sold and the related margin. We did not experience any significant increases in material costs during 2023 and 2022.

Our gross margins may not be comparable to those of other entities, since some entities include all the costs related to their distribution network in cost of goods sold. Our cost of goods sold includes only the cost of products sold and does not include any allocation of inbound or outbound freight charges, indirect overhead expenses, warehouse and distribution expenses, or depreciation expense. Our employees provide receiving, inspection, warehousing, and shipping operations for us. The cost of our employees is included in personnel expense. Our other costs of warehousing and shipping functions are included in office and other expense.

As we buy inventory from foreign suppliers, the change in the value of the U.S. dollar in relation to the Euro, Yen and Yuan has an effect on our cost of inventory. Our main supplier of specialty cyclodextrins and complexes, Cyclodextrin Research & Development Laboratory, is located in Hungary and its prices are set in Euros. The cost of our bulk inventory often changes due to fluctuations in the U.S. dollar. The cost of shipping from outside the U.S. also has a significant effect on our inventory acquisition costs. When we experience short-term increases in currency fluctuation or supplier price increases, we are often not able to raise our prices sufficiently to maintain our historical margins. Therefore, our margins on these sales may decline.

Personnel expenses decreased 15% to approximately \$3,383,000 for 2023, from approximately \$3,969,000 for 2022. The decrease in personnel expense is due to the departure of one employee whose time was allocated between general administrative purposes and our R&D program. We expect to maintain our level of employees and related costs in the near term.

Research and development expenses increased 58% to approximately \$14,182,000 for 2023, from approximately \$9,000,000 for 2022. Research and development expenses as a percentage of our total operating expenses increased to 67% for the year ended December 31, 2023 from 53% for the year ended December 31, 2022. The increase in research and development expense resulted from the increased activity in our Phase III study of Trappsol® Cyclo™ for the treatment of NPC.

Repairs and maintenance expenses increased 28% to approximately \$14,000 for 2023, from approximately \$11,000 for 2022. We expect our repairs and maintenance expenses to remain consistent in 2024.

Professional fees decreased 20% to approximately \$1,944,000 for 2023 from approximately \$2,417,000 for 2022. Professional fees may increase in the future due to new initiatives in raising capital and the continuation of product development.

Office and other expenses increased 13% to approximately \$1,161,000 for 2023 from approximately \$1,026,000 for 2022.

Board of Directors fees and costs decreased 15% to approximately \$335,000 for 2023 from approximately \$394,000 for 2022. Board of Directors fees and costs include fees paid to our directors and scientific advisory board members, reimbursement of expenses of our board members, and related expenses.

Amortization and depreciation remained consistent at approximately \$19,000 for 2023 and 2022. These expenses may fluctuate slightly with equipment purchases and dispositions.

Freight and shipping expenses were approximately \$4,000 for 2023 compared to approximately \$13,000 for 2022. Freight and shipping is dependent on frequency of ordering products for inventory and frequency of shipping out products sold.

We increased our valuation allowance to allow for 100% of the 2023 increase in our deferred tax asset totaling \$24,827,000 and did not recognize an income tax benefit or provision for 2023 and 2022.

### ***Liquidity and Capital Resources***

Our cash increased to approximately \$9,247,000 as of December 31, 2023, compared to approximately \$1,543,000 as of December 31, 2022, primarily as the result of equity transactions and the December 2023 merger. Our current assets less current liabilities were approximately \$3,850,000 as of December 31, 2023, compared to approximately \$678,000 at December 31, 2022. Cash used in operations was approximately \$16,185,000 for the year ended December 31, 2023, compared to approximately \$15,114,000 for 2022. The cash used in operations is primarily attributable to our net loss and continued expenses for clinical trials of our drug candidates. To date, we have funded our operations primarily through public and private offerings of our securities.

As a result of the Merger, the Company acquired a lease for office space that is sublet to a third party. The lease requires payments of approximately \$1 million dollars between January 1 and August 2024, which is less than the amount of the sublease income to be collected. Risk associated with non-collection of the sublease payments could negatively impact cash flow through the remaining life of the lease, which expires in August 2024.

On January 3, 2023, the Company raised net proceeds of approximately \$3.7 million in a registered direct offering to an institutional investor of 930,000 shares of common stock at a purchase price per share of \$1.61, and prefunded warrants to purchase up to an aggregate of 1,678,696 shares of common stock at a purchase price of \$1.61 per pre-funded warrant. The pre-funded warrants have an exercise price of \$0.0001 per share and remain exercisable until exercised in full. In a concurrent private placement, the Company also issued to the investor Series A-1 warrants to purchase up to 2,608,696 shares of common stock at an exercise price of \$1.36 per share, exercisable for a period of five years from the date of issuance, and Series A-2 warrants to purchase up to 2,608,696 shares of common stock at an exercise price of \$1.36 per share, exercisable for a period of three years from the date of issuance. A holder of pre-funded warrants may not exercise the warrant if the holder, together with its affiliates, would beneficially own more than 9.99% of the number of shares of common stock outstanding immediately after giving effect to such exercise. A holder of pre-funded warrants may increase or decrease this percentage, but not in excess of 9.99%, by providing at least 61 days' prior notice to the Company. A holder of the Series A-1 and Series A-2 warrants may not exercise the warrant if the holder, together with its affiliates, would beneficially own more than 4.99% of the number of shares of common stock outstanding immediately after giving effect to such exercise, and may increase or decrease this percentage, but not in excess of 9.99%, by providing at least 61 days' prior notice to the Company.

H.C. Wainwright & Co., LLC acted as placement agent to the Company in connection with the registered direct offering and concurrent private placement and was paid a cash fee equal to 7.5% of the gross proceeds of the offering, a management fee equal to 1.0% of the gross proceeds of the offering, and was reimbursed by the Company for its non-accountable expenses in the amount of \$35,000, for fees and expenses of its legal counsel, for other out-of-pocket expenses in the amount of \$50,000, and for its clearing expenses in the amount of \$15,950. The Company also issued to designees of the placement agent five-year warrants to purchase an aggregate of 156,522 shares of common stock at an exercise price of \$2.0125 per share.

On January 25, 2023, the investor exercised a portion of its pre-funded warrants and acquired 400,696 shares of common stock for an aggregate exercise price of \$40, and on February 27, 2023, the investor exercised an additional portion of its pre-funded warrants and acquired 741,000 shares of common stock for an aggregate exercise price of \$74. On April 3, 2023, the investor exercised the remaining balance of pre-funded warrants and acquired 537,000 shares of common stock for an aggregate exercise price of \$54.

On April 20, 2023, the Company raised gross proceeds of \$1,305,000 from a private placement of its securities priced at-the-market under the rules of The Nasdaq Stock Market, Inc., to a group of accredited investors that included several directors of the Company and members of management and their affiliates. Investors in the private placement purchased 1,562,883 shares of common and were issued warrants to purchase 1,562,883 shares of common. The purchase price for one share of common stock and a warrant to purchase one share of common stock was \$0.835. The warrants have an exercise price of \$0.71 and have a term of seven years.

On May 2, 2023, the Company completed the private placement of its securities to Rafael Holdings, Inc. ("Rafael Holdings"), a Delaware corporation, in which it raised \$2,100,000 pursuant to the sale of 2,514,970 shares of its common stock, and a warrant to purchase an additional 2,514,970 shares of common stock. The warrant has an exercise price of \$0.71 per share, and is exercisable for the seven-year period starting August 1, 2023, the date Company obtained the approval of its shareholders to the exercise of the warrant in accordance with Listing Rules 5635(b) and 5635(d) of The Nasdaq Stock Market, Inc. In connection with the closing of the transaction, the Company (i) entered into a Registration Rights Agreement with Rafael Holdings requiring the Company to file a registration statement with the Securities and Exchange Commission to register the resale of the shares and shares of common stock underlying the Warrants, upon the request of Rafael Holdings, and (ii) appointed William Conkling, the CEO of Rafael Holdings, to the Company's Board of Directors.

On August 1, 2023, the Company completed an additional private placement of its securities to Rafael Holdings in which it raised \$5 million pursuant to a securities purchase agreement between the Company and Rafael Holdings dated June 1, 2023. Rafael Holdings purchased 4,000,000 shares of common stock and a seven-year warrant to purchase an additional 4,000,000 shares of common stock at a price of \$1.25 per share, for an aggregate purchase price of \$5,000,000. The issuance of the shares and warrant to Rafael Holdings was approved by the Company's shareholders at the annual meeting held on August 1, 2023, in accordance with Listing Rules 5635(b) and 5635(d) of The Nasdaq Stock Market, Inc.

On October 20, 2023, the Company entered into a securities purchase agreement with certain accredited investors from the April and May 2023 private placement. The investors exercised warrants to purchase 3,359,297 shares of common stock and the gross proceeds were \$2,388,077. In exchange, the investors received new warrants with an exercise price equal to \$0.95 per share, to purchase 110% of the number of shares of the Company's common stock covered under the original warrants. The new warrants fair valued at \$2,387,117 will be exercisable for cash only and have a term of four years from the issuance date. The investors include Rafael Holdings, a significant shareholder of the Company, several directors of the Company and management.

On December 27, 2023, the Company completed the merger with AMTI and issued 5,725,306 shares of common stock for each share of AMTI stock outstanding at closing. AMTI shares were automatically converted into the shares of Company common stock at an exchange ratio of 0.1331. Proceeds from the merger, net of issuance costs of \$688,480, were \$9,354,006 and net liabilities assumed were \$547,770.

The Company has continued to realize losses from operations. As a result of the closing of the Merger with AMTI and our recent private offerings, we believe we will have sufficient cash to meet our anticipated operating costs and capital expenditure requirements for at least the next six months. We will need to raise additional capital in the future to support our ongoing operations and continue our clinical trials. We expect to continue to raise additional capital through the sale of our securities from time to time for the foreseeable future to fund the development of our drug product candidates through clinical development, manufacturing, and commercialization. Our ability to obtain such additional capital will likely be subject to various factors, including our overall business performance and market conditions. There can be no guarantee that the Company will be successful in its ability to raise capital to fund future operational and development initiatives.

Our consolidated financial statements for the years ended December 31, 2023 and 2022 were prepared on the basis of a going concern, which contemplates that we will be able to realize assets and discharge liabilities in the normal course of business. Our ability to continue as a going concern is dependent upon the availability of equity financing as noted above.

At December 31, 2023, we had approximately \$49,807,000 of net state and federal operating loss carryforwards expiring from 2024 through 2037, including \$41,409,000 that will not expire, that can be used to offset our current and future taxable net income and reduce our income tax liabilities. We have provided a 100% valuation allowance on our deferred tax asset based on our expected future expenses related to our clinical trials and other development initiatives.

We had no off-balance sheet arrangements as of December 31, 2023.

### **Critical Accounting Policies and Estimates**

The results of operations are based on the preparation of consolidated financial statements in conformity with accounting principles generally accepted in the United States. The preparation of consolidated financial statements requires management to select accounting policies for critical accounting areas as well as make estimates and assumptions that affect the amounts reported in the consolidated financial statements. The Company's accounting policies are more fully described in Note 1 of Notes to Consolidated Financial Statements for our year ended December 31, 2023. Significant changes in assumptions and/or conditions in our critical accounting policies could materially impact the operating results. We have identified the following accounting policies and related judgments as critical to understanding the results of our operations.

#### Revenue Recognition

Revenues are recognized when our customer obtains control of promised goods or services, in an amount that reflects the consideration which we expect to receive in exchange for those goods or services. We recognize revenues following the five step model prescribed under ASU No. 2014-09: (i) identify contract(s) with a customer; (ii) identify the performance obligations in the contract; (iii) determine the transaction price; (iv) allocate the transaction price to the performance obligations in the contract; and (v) recognize revenues when (or as) we satisfy the performance obligation.

#### Product Revenues

In the U.S. we sell our products to the end user or wholesale distributors. In other countries, we sell our products primarily to wholesale distributors and other third-party distribution partners. These customers subsequently resell our products to health care providers and patients.

Revenues from product sales are recognized when the customer obtains control of our product, which occurs at a point in time, typically upon delivery to the customer. We expense incremental costs of obtaining a contract as and when incurred if the expected amortization period of the asset that we would have recognized is one year or less or the amount is immaterial. We treat shipping and handling costs performed after a customer obtains control of the product as a fulfillment cost. We have identified one performance obligation in our contracts with customers which is the delivery of product to our customers. The transaction price is recognized in full when we deliver the product to our customer, which is the point at which we have satisfied our performance obligation.

#### Valuation Allowance on Deferred Tax Assets

At December 31, 2023, we fully reserved for our net deferred tax asset with an approximately \$24,827,000 valuation allowance. We increased our valuation allowance by approximately \$1,659,000 in 2023 to reduce our recognized deferred tax asset to zero.

We have determined it is more likely than not that we will not realize our temporary deductible differences and net operating loss carryforwards, and we have provided a 100% valuation allowance at December 31, 2023.

Current accounting standards require that deferred tax assets be evaluated for future realization and reduced by the extent to which we believe a portion will not be realized. We consider many factors when assessing the likelihood of future realization of our deferred tax assets including our recent cumulative losses, experience, expectations of future expenses from research and development and product development, expectations of future taxable income, the carry-forward periods available to us for tax reporting purposes, and other relevant factors. The range of possible judgments relating to the valuation of our deferred tax asset is very wide. Significant judgment is required in making this assessment, and it is very difficult to predict when, if ever, our assessment may conclude our deferred tax assets are realizable.

#### Research and Development

Research and development costs are either expensed as incurred. We records amounts paid in advance of the service being rendered as used separately as a prepaid asset, and the expense recognized when the service is performed. Research and development costs are primarily comprised of personnel-related expenses and external research and development expenses incurred under arrangements with third parties, such as contract research organizations and consultants. At the end of each reporting period, we compare the payments made to each service provider to the estimated progress towards completion of the related project. Factors that the Company considers in preparing these estimates include the number of patients enrolled in studies, milestones achieved, and other criteria related to the efforts of its vendors. These estimates will be subject to change as additional information becomes available. Depending on the timing of payments to vendors and estimated services provided, we will record net prepaid or accrued expenses related to these costs. Prepaid clinical expenses represent valid future economic benefits based on our contracts with our vendors and are realized in the ordinary course of business.

#### Stock Based Compensation

The value we assign to the options that we issue is based on the fair market value as calculated by the Black-Scholes pricing model. To perform a calculation of the value of our options, we determine an estimate of the volatility of our stock. We need to estimate volatility because there has not been enough trading of our stock to determine an appropriate measure of volatility. We believe our estimate of volatility is reasonable, and we review the assumptions used to determine this whenever we issue new equity instruments. If we have a material error in our estimate of the volatility of our stock, our expenses could be understated or overstated. All stock-based awards are expensed on a straight-line basis over the vesting period of the options.

### **Item 7A. Quantitative and Qualitative Disclosures About Market Risk.**

Not applicable.

**Item 8. Financial Statements and Supplementary Data.**

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES  
CONSOLIDATED FINANCIAL STATEMENTS**

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## REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Shareholders and Board of Directors of  
Cyclo Therapeutics, Inc.:

### Opinion on the Consolidated Financial Statements

We have audited the accompanying consolidated balance sheets of Cyclo Therapeutics, Inc. and Subsidiaries, (the "Company") as of December 31, 2023 and 2022, and the related consolidated statements of operations, stockholders' equity, and cash flows for each of the two years in the period ended December 31, 2023, and the related consolidated notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2023 and 2022, and the results of its operations and its cash flows for each of the two years in the period ended December 31, 2023, in conformity with accounting principles generally accepted in the United States of America.

### Substantial Doubt Regarding Going Concern

The accompanying consolidated financial statements have been prepared assuming that the entity will continue as a going concern. As discussed in Note 1 to the consolidated financial statements, the entity has suffered recurring losses from operations, has experienced cash used from operations in excess of its current cash position, and has an accumulated deficit that raise substantial doubt about its ability to continue as a going concern. Management's plans in regard to these matters are also described in Note 1. The consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty. Our opinion is not modified with respect to this matter.

### Basis for Opinion

These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) ("PCAOB") and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement, whether due to error or fraud. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. As part of our audits, we are required to obtain an understanding of internal control over financial reporting but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion.

Our audits included performing procedures to assess the risks of material misstatement of the consolidated financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that our audits provide a reasonable basis for our opinion.

### Critical Audit Matters

The critical audit matter communicated below is a matter arising from the current period audit of the consolidated financial statements that was communicated or required to be communicated to the audit committee and that: (1) relates to accounts or disclosures that are material to the consolidated financial statements and (2) involved our especially challenging, subjective, or complex judgments. The communication of the critical audit matter does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matter below, providing a separate opinion on the critical audit matter or on the accounts or disclosures to which it relates.

## **Research and Development Expenses, Accrued Clinical Trial Liabilities, and Prepaid Research and Development Costs**

### *Description of the Matter*

The Company recognizes research and development expenses as incurred. Advance payments for future research and development activities are deferred and expensed as the related services are performed. The Company recognizes its clinical trial expenses based on the services performed pursuant to contracts with research institutions and clinical research organizations (collectively, "CROs") that conduct and manage clinical trials on the Company's behalf. Total research and development expenses for the year ended December 31, 2023 was approximately \$14,182,000. Prepaid clinical expenses as of December 31, 2023 was approximately \$2,310,000 and the clinical trial liabilities included in accounts payable and accrued expenses as of December 31, 2023 was approximately \$1,979,000.

At each consolidated balance sheet date, the Company reconciles prepaid research and development costs and accrued clinical trial liabilities by obtaining reporting from CROs, discussing progress or stage of completion of services with internal personnel and external service providers, and comparing this information to payments made, invoices received, and the agreed-upon fee to be paid for such services in the applicable contract, statements of work, or purchase orders. The reconciliation of the amount of work completed is primarily based on the status and timing of services performed, the number of patients enrolled, and the rate of patient enrollment.

We identified research and development expenses, accrued clinical trial liabilities, and prepaid research and development costs as a critical audit matter given the estimation involved in accounting for research and development expenses, accrued clinical trial liabilities, and prepaid research and development costs. This required extensive audit effort related to the estimation of research and development expenses, accrued clinical trial liabilities and prepaid clinical expenses.

### *How We Addressed the Matter in Our Audit*

Our audit procedures related to research and development expenses, accrued clinical trial liabilities, and prepaid clinical expenses included the following, among others:

- We selected a sample of amounts recognized as research and development expense, the accrued clinical trial liabilities and prepaid research and development expenses and performed the following procedures for each item selected:
  - We obtained and read related master service agreements, statements of work, purchase orders and/or other supporting agreements with the CRO.
  - We performed corroborating inquiries with the Company's clinical operations personnel responsible for the oversight of activities regarding the nature and status of work performed.
  - We inspected evidence from the third-part vendor regarding the payments made and the status and timing of services performed.
  - We compared the data and evidence obtained from internal and external sources to the inputs used in the Company's analysis and recalculated the related research and development expense, prepaid research and development expense, and the accrued clinical liabilities balances.

We have served as the Company's auditor since 2011.

/s/ WithumSmith+Brown, PC  
East Brunswick, New Jersey  
March 17, 2024

PCAOB ID Number 100

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**

	December 31,	
	2023	2022
<b>ASSETS</b>		
<b>CURRENT ASSETS</b>		
Cash and cash equivalents	\$ 9,246,592	\$ 1,543,418
Accounts receivable, net of allowances of \$10,272	122,379	54,991
Inventory, net	254,352	254,491
Prepaid insurance and services	384,889	101,135
Prepaid clinical expenses	2,310,045	2,204,520
Total current assets	<u>12,318,257</u>	<u>4,158,555</u>
<b>FURNITURE AND EQUIPMENT, NET</b>	38,332	55,188
<b>RIGHT-OF-USE LEASE ASSETS, NET</b>	<u>890,949</u>	<u>1,470</u>
<b>TOTAL ASSETS</b>	<u>\$ 13,247,538</u>	<u>\$ 4,215,213</u>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
<b>CURRENT LIABILITIES</b>		
Current portion of lease liabilities	\$ 1,010,631	\$ -
Accounts payable and accrued expenses	7,457,416	3,480,669
Total current liabilities	<u>8,468,047</u>	<u>3,480,669</u>
<b>LONG-TERM LIABILITIES</b>		
Lease liabilities, net of current portion	22,484	-
Total long-term liabilities	<u>22,484</u>	<u>-</u>
<b>STOCKHOLDERS' EQUITY</b>		
Preferred stock, par value \$.0001 per share, 5,000,000 shares authorized; 0 outstanding at December 31, 2023 and 2022	-	-
Common stock, par value \$.0001 per share, 250,000,000 and 20,000,000 shares authorized at December 31, 2023 and 2022, respectively; 28,556,072 and 8,481,848 shares issued and outstanding at December 31, 2023 and 2022, respectively	2,856	849
Additional paid-in capital	88,610,832	64,533,074
Accumulated deficit	(83,856,681)	(63,799,379)
Total stockholders' equity	<u>4,757,007</u>	<u>734,544</u>
<b>TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY</b>	<u>\$ 13,247,538</u>	<u>\$ 4,215,213</u>

See accompanying Notes to Consolidated Financial Statements.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**

	Years Ended December 31,	
	2023	2022
<b>REVENUES</b>		
Product sales	\$ 1,076,405	\$ 1,375,760
COST OF PRODUCTS SOLD (exclusive of direct and indirect overhead and handling costs)	84,367	138,929
<b>GROSS PROFIT</b>	<b>992,038</b>	<b>1,236,831</b>
<b>EXPENSES</b>		
Personnel	3,382,938	3,968,681
Research and development	14,181,769	8,999,543
Repairs and maintenance	14,091	11,019
Professional fees	1,943,757	2,417,017
Office and other	1,161,094	1,025,635
Board of Directors fees and costs	335,268	394,009
Depreciation	19,276	19,481
Freight and shipping	3,902	13,060
Credit loss expense	-	10,272
Total expenses	21,042,095	16,858,717
<b>LOSS FROM OPERATIONS</b>	<b>(20,050,057)</b>	<b>(15,621,886)</b>
<b>OTHER INCOME (EXPENSE)</b>		
Investment and other income (expense), net	(7,245)	12,474
Gain on forgiveness of PPP loan	-	158,524
<b>LOSS BEFORE PROVISION FOR INCOME TAXES</b>	<b>(20,057,302)</b>	<b>(15,450,888)</b>
<b>PROVISION FOR INCOME TAXES</b>	<b>-</b>	<b>-</b>
<b>NET LOSS</b>	<b>\$ (20,057,302)</b>	<b>\$ (15,450,888)</b>
<b>BASIC AND DILUTED NET LOSS PER COMMON SHARE</b>	<b>\$ (1.23)</b>	<b>\$ (1.83)</b>
<b>WEIGHTED AVERAGE NUMBER OF COMMON SHARES BASIC AND DILUTED OUTSTANDING</b>	<b>16,329,713</b>	<b>8,439,177</b>

See accompanying Notes to Consolidated Financial Statements.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY**  
**YEARS ENDED DECEMBER 31, 2023 and 2022**

	Common Stock		Additional Paid-In Capital	Accumulated Deficit	Total Stockholders' Equity
	Shares	Par Value			
Balance, December 31, 2021	8,403,869	\$ 841	\$ 64,019,513	\$ (48,348,491)	\$ 15,671,863
Stock issued to employees	7,500	-	15,750	-	15,750
Stock issued to nonemployees	70,479	8	143,755	-	143,763
Stock-based compensation	-	-	354,056	-	354,056
Net loss	-	-	-	(15,450,888)	(15,450,888)
Balance, December 31, 2022	8,481,848	849	64,533,074	(63,799,379)	734,544
Sale of stock and warrants	9,007,853	900	9,738,140	-	9,739,040
Issuance of stock in merger recapitalization	4,795,306	573	8,805,665	-	8,806,238
Sale of warrants	930,000	-	2,407,849	-	2,407,849
Exercise of warrants	5,037,993	504	2,387,741	-	2,388,245
Exercise of stock options	1,155	-	1,478	-	1,478
Stock issued to consultants	42,599	4	39,613	-	39,617
Stock issued to nonemployees	259,318	26	305,155	-	305,181
Stock-based compensation	-	-	390,108	-	390,108
Assumed stock options in connection with merger recapitalization	-	-	2,009	-	2,009
Net loss	-	-	-	(20,057,302)	(20,057,302)
Balance, December 31, 2023	<u>28,556,072</u>	<u>\$ 2,856</u>	<u>\$ 88,610,832</u>	<u>\$ (83,856,681)</u>	<u>\$ 4,757,007</u>

See accompanying Notes to Consolidated Financial Statements.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**

	Years Ended December 31,	
	2023	2022
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Net loss	\$ (20,057,302)	\$ (15,450,888)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	19,276	19,481
Gain on forgiveness of PPP loan	-	(158,524)
Provision for credit losses	-	10,272
Provision for inventory obsolescence	52,922	-
Stock compensation to employees	39,617	15,750
Stock compensation to nonemployees	305,181	143,763
Stock-based compensation	392,117	354,056
Increase or decrease in:		
Accounts receivable	(67,388)	427,850
Inventory	(52,783)	(27,054)
Prepaid clinical expenses	(105,525)	(189,669)
Prepaid insurance and services	41,201	(58,889)
Other	2,037	-
Accounts payable and accrued expenses	3,245,621	(200,389)
Total adjustments	3,872,276	336,647
<b>NET CASH USED IN OPERATING ACTIVITIES</b>	<b>(16,185,026)</b>	<b>(15,114,241)</b>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Purchases of furniture and equipment	(2,420)	(15,086)
Collections from mortgage note receivable	-	53,256
<b>NET CASH PROVIDED BY (USED IN) INVESTING ACTIVITIES</b>	<b>(2,420)</b>	<b>38,170</b>
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>		
Net proceeds from sale of stock	9,739,040	-
Net proceeds from merger recapitalization	10,042,488	-
Merger recapitalization transaction costs	(688,480)	-
Exercise of stock options	1,478	-
Net from sale of warrants	2,407,849	-
Exercise of warrants	2,388,245	-
Payments on PPP loan	-	(8,159)
Refund of PPP loan payments	-	14,937
<b>NET CASH PROVIDED BY FINANCING ACTIVITIES</b>	<b>23,890,620</b>	<b>6,778</b>
<b>NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS</b>	<b>7,703,174</b>	<b>(15,069,293)</b>
<b>CASH AND CASH EQUIVALENTS, beginning of year</b>	<b>1,543,418</b>	<b>16,612,711</b>
<b>CASH AND CASH EQUIVALENTS, end of year</b>	<b>\$ 9,246,592</b>	<b>\$ 1,543,418</b>
<b>SUPPLEMENTAL DISCLOSURE OF CASH FLOW INFORMATION</b>		
Cash paid for interest	\$ 10,056	\$ -
Issuance of common stock for services	\$ 344,798	\$ 159,513
Liabilities assumed, net of non-cash assets received in merger recapitalization	\$ 406,171	\$ -

See accompanying Notes to Consolidated Financial Statements

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023 and 2022**

**(1) ORGANIZATION AND DESCRIPTION OF BUSINESS:**

Cyclo Therapeutics, Inc. (the "Company," "we," "our" or "us") was incorporated in August 1990 as a Florida corporation, under the name Cyclodextrin Technologies Development, Inc. with operations beginning in July 1992. In conjunction with a restructuring in 2000, we changed our name to CTD Holdings, Inc. We changed our name to Cyclo Therapeutics, Inc. in September 2019 to better reflect our current business and on November 6, 2020, we reincorporated from the State of Florida to the State of Nevada. The Company entered into the previously defined merger agreement in September 2023, which was closed on December 27, 2023, in an all-stock transaction, as discussed in Note 10, Equity Transactions.

On December 27, 2023, the Company, completed a strategic combination pursuant to that certain Agreement and Plan of Merger, dated as of September 21, 2023 (the "Merger Agreement"), by and among Cyclo, Cameo Merger Sub, Inc., a Delaware corporation and wholly owned subsidiary of Cyclo ("Merger Sub"), and Applied Molecular Transport Inc., a Delaware corporation ("AMTI"), providing for the merger of Merger Sub with and into AMTI, with AMTI surviving the merger as a wholly-owned subsidiary of Cyclo (the "Merger") (see Note 12).

We are a clinical stage biotechnology company that develops cyclodextrin-based products for the treatment of neurodegenerative diseases. We filed a Type II Drug Master File with the U.S. Food and Drug Administration ("FDA") in 2014 for our lead drug candidate, Trappsol® Cyclo™ (hydroxypropyl beta cyclodextrin) as a treatment for Niemann-Pick Type C disease ("NPC"). NPC is a rare and fatal autosomal recessive genetic disease resulting in disrupted cholesterol metabolism that impacts the brain, lungs, liver, spleen, and other organs. In 2015, we launched an International Clinical Program for Trappsol® Cyclo™ as a treatment for NPC. In 2016, we filed an Investigational New Drug application ("IND") with the FDA, which described our Phase I clinical plans for a randomized, double blind, parallel group study at a single clinical site in the U.S. The Phase I study evaluated the safety and pharmacokinetics of Trappsol® Cyclo™ along with markers of cholesterol metabolism and markers of NPC during a 12-week treatment period of intravenous administration of Trappsol® Cyclo™ every two weeks to participants 18 years of age and older. The IND was approved by the FDA in September 2016, and in January 2017 the FDA granted Fast Track designation to Trappsol® Cyclo™ for the treatment of NPC. Initial patient enrollment in the U.S. Phase I study commenced in September 2017, and in May 2020 we announced Top Line data showing a favorable safety and tolerability profile for Trappsol® Cyclo™ in this study.

We have also completed a Phase I/II clinical study approved by European regulatory bodies with clinical trial centers in the United Kingdom, Sweden, and Israel. The Phase I/II study evaluated the safety, tolerability and efficacy of Trappsol® Cyclo™ through a range of clinical outcomes, including neurologic, respiratory, and measurements of cholesterol metabolism and markers of NPC. Consistent with the 12-week phase I study (single U.S. site), the European/Israel study administered Trappsol® Cyclo™ intravenously to NPC patients every two weeks in a double-blind, randomized trial, but differs in that the study period was for 48 weeks (24 doses). In March of 2021 we announced that 100% of patients who completed the trial (9 out of 12) improved or remained stable, and 89% met the efficacy outcome measure of improvement in at least two domains of the 17-domain NPC severity scale.

Additionally, in February 2020 we had a face-to-face "Type C" meeting with the FDA with respect to the initiation of our pivotal Phase III clinical trial of Trappsol® Cyclo™ based on the clinical data obtained to date. At that meeting, we also discussed with the FDA submitting a New Drug Application under Section 505(b)(1) of the Federal Food, Drug, and Cosmetic Act for the treatment of NPC in pediatric and adult patients with Trappsol® Cyclo™. A similar request was submitted to the European Medicines Agency ("EMA") in February 2020, seeking scientific advice and protocol assistance from the EMA for proceeding with a Phase III clinical trial in Europe. In October 2020 we received a "Study May Proceed" notification from the FDA with respect to the proposed Phase III clinical trial, and in June 2021 we commenced enrollment in TransportNPC, a pivotal Phase III study of Trappsol® Cyclo™ for the treatment of NPC.

We are also exploring the use of cyclodextrins in the treatment of Alzheimer's disease. In January 2018, the FDA authorized a single patient IND expanded access program using Trappsol® Cyclo™ for the treatment of Alzheimer's disease. After 18 months of treatment in this geriatric patient with late-onset disease, the disease was stabilized and the drug was well tolerated. The patient also exhibited signs of improvement with less volatility and shorter latency in word-finding. We prepared a synopsis for an early stage protocol using Trappsol® Cyclo™ intravenously to treat Alzheimer's disease that was presented to the FDA in January of 2021. We received feedback from the FDA on this synopsis in April 2021 and incorporated the feedback into an IND for a Phase II study for the treatment of Alzheimer's disease with of Trappsol® Cyclo™ that we submitted to the FDA in November 2021. In December of 2021, we received IND clearance from the FDA, allowing us to proceed with our Phase II study of Trappsol® Cyclo™ for the treatment of Alzheimer's disease. U.S. sites for the study were activated during the second half of 2022, with patient dosing beginning in the first quarter of 2023.

We also continue to operate our legacy fine chemical business, consisting of the sale of cyclodextrins and related products to the pharmaceutical, nutritional, and other industries, primarily for use in diagnostics and specialty drugs. However, our core business has transitioned to a biotechnology company primarily focused on the development of cyclodextrin-based biopharmaceuticals for the treatment of disease from a business that had been primarily reselling basic cyclodextrin products.

**Going Concern and Liquidity**

For the years ended December 31, 2023 and 2022, the Company incurred net losses of \$20,057,302 and \$15,450,888 respectively. The Company has an accumulated deficit of \$83,856,681 at December 31, 2023. Our recent losses have predominantly resulted from research and development expenses for our Trappsol® Cyclo™ product and other general operating expenses, including personnel expenses and board advisory fees. We believe our expenses will continue to increase as we continue to conduct clinical trials and seek regulatory approval for the use of Trappsol® Cyclo™ in the treatment of NPC and Alzheimer's disease.

For the year ended December 31, 2023, the Company's operations used \$16,185,026 in cash, and at December 31, 2023, the Company had a cash balance of \$9,246,592 and working capital of \$3,850,210. We will need to raise additional capital for the foreseeable future to fund the development of our drug product candidates through clinical development, manufacturing, and commercialization.

We intend to continue to raise such capital through the sale of equity securities from time to time, the issuance of debt securities, the sale or licensing of existing assets or assets in development, or from other non-dilutive funding mechanisms. Our ability to obtain such additional capital will likely be subject to various factors, including our overall business performance and market conditions. If we cannot raise the additional funds required for our anticipated operations, we may be required to reduce the scope of or eliminate our research and development programs, delay our clinical trials and the ability to seek regulatory approvals, downsize our general and administrative infrastructure, or seek alternative measures to avoid insolvency. If we raise additional funds through future offerings of shares of our Common Stock or other securities, such offerings would cause dilution of current stockholders' percentage ownership in the Company, which could be substantial. Future offerings also could have a material and adverse effect on the price of our Common Stock.

Our consolidated financial statements for the years ended December 31, 2023 and 2022 were prepared on the basis of a going concern, which contemplates that we will be able to realize assets and discharge liabilities in the normal course of business. Our ability to continue as a going concern is dependent upon the availability of equity financing as noted above. These factors raise substantial doubt about our ability to continue as a going concern. The financial statements do not include any adjustments that might result from the outcome of these uncertainties.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023 and 2022**

**(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:**

The following is a summary of the more significant accounting policies of the Company that affect the accompanying consolidated financial statements:

(a) **BASIS OF PRESENTATION**—The consolidated financial statements include the Company and its wholly owned subsidiaries. All significant intercompany accounts and transactions have been eliminated in consolidation.

(b) **CASH AND CASH EQUIVALENTS**—Cash and cash equivalents consist of cash and any highly liquid investments with an original purchased maturity of three months or less. Cash and cash equivalents primarily represents funds invested in readily available checking and money market accounts. The Company maintains deposits in financial institutions in excess of federally insured limits of \$250,000, in the amount of approximately \$9,247,000 at December 31, 2023.

(c) **ACCOUNTS RECEIVABLE**—Accounts receivable are unsecured and non-interest bearing and stated at the amount we expect to collect from outstanding balances. Customer account balances with invoices dated over 90 days old are considered past due. The Company does not accrue interest on past-due accounts. Customer payments are allocated to the specific invoices identified on the customer's remittance advice or, if unspecified, applied to the oldest unpaid invoices. Accounts receivable at January 1, 2022 were approximately \$493,000.

The carrying amount of accounts receivable is reduced by an allowance for credit losses that reflects management's best estimate of expected credit losses. The Company reviews each customer balance where all or a portion of the balance exceeds 90 days from the invoice date. Based on the Company's assessment of the customer's current and forecasted creditworthiness, the Company estimates the portion, if any, of the balance that will not be collected, and writes off receivables as a charge to the allowance for credit losses when, in management's estimation, it is probable that the receivable is worthless. The Company has estimated reserve for expected credit losses of \$10,300 at December 31, 2023 and 2022.

(d) **FINANCIAL INSTRUMENTS**—In June 2016, the FASB issued ASU 2016-13, Financial Instruments - Credit Losses ("CECL"). The amendments in this update introduce a new accounting model to measure credit losses for financial assets measured at amortized cost. The FASB has also issued additional ASUs to clarify the scope and provide additional guidance for ASU 2016-13. Credit losses for financial assets measured at amortized cost should be determined based on the total current expected credit losses over the life of the financial asset or group of financial assets. In effect, the financial asset or group of financial assets should be presented at the net amount expected to be collected. Credit losses will no longer be recorded under the current incurred loss model for financial assets measured at amortized cost. The amendments also modify the accounting for available-for-sale debt securities whereby credit losses will be recorded through an allowance for credit losses rather than a write-down to the security's cost basis, which allows for reversals of credit losses when estimated credit losses decline. Credit losses for available-for-sale debt securities should be measured in a manner similar to current GAAP.

The amendments are effective on January 1, 2023 for the Company, and must be applied using a modified retrospective approach with a cumulative-effect adjustment through retained earnings as of the beginning of the fiscal year upon adoption as required. While the standard modifies the measurement of the allowance for credit losses, it does not alter the credit risk of our trade receivables. There was no impact of applying the CECL methodology upon adoption effective on January 1, 2023.

Under the CECL impairment model, the Company develops and documents its allowance for credit losses on its trade receivables based on one portfolio segments: domestic customers. The determination of portfolio segments is based primarily on the customers' geographical location.

Our quantitative allowance for credit loss estimates under CECL was determined using the method that uses an aging schedule. The Company also considers qualitative adjustments that may relate to unique risks, changes in current economic conditions that may not be reflected in quantitatively derived results, or other relevant factors to further inform our estimate of the allowance for credit losses.

(e) **INVENTORY AND COST OF PRODUCTS SOLD**—Inventory consists of cyclodextrin products and chemical complexes purchased for resale recorded at the lower of cost (first-in, first-out) or net realizable value. Cost of products sold includes the acquisition cost of the products sold and does not include any allocation of inbound or outbound freight charges, indirect overhead expenses, warehouse and distribution expenses, or depreciation and amortization expense. The Company records a specific reserve for inventory items that are determined to be obsolete. The Company determined no reserve for obsolete inventory was necessary at December 31, 2023. The reserve was approximately \$52,900 at December 31, 2022.

The Company's reserve for obsolete inventory is based on the Company's best estimates of product sales and customer demands. It is reasonably possible that the estimates used by the Company to determine its provisions for inventory write-downs will be materially different from actual write-downs. These differences could result in materially higher than expected inventory provisions and related costs, which could have a materially adverse effect on the Company's results of operations and financial condition in the near term.

(f) **PREPAID CLINICAL EXPENSES**—Prepaid clinical expenses consist of our active pharmaceutical ingredients and other raw materials for our pharmaceutical drug Trappsol® Cyclo™ expected to be used in our clinical trial program recorded at cost. In addition, advance payments for goods or services for future research and development activities are included as prepaid clinical expenses. Prepaid clinical expenses are expensed as research and development costs as the goods are delivered or the related services are performed.

(g) **FURNITURE AND EQUIPMENT**—Furniture and equipment are recorded at cost, less accumulated depreciation. Depreciation is computed using primarily the straight-line method over the estimated useful lives of the assets (generally three to five years for computers and vehicles and seven to ten years for machinery, equipment and office furniture). We periodically review our long-lived assets to determine if the carrying value of assets may not be recoverable. If an impairment is identified, we recognize a loss for the difference between the carrying amount and the estimated fair value of the asset.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023 and 2022**

**(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES: (CONTINUED)**

(h) **LEASES**—The Company leases office and warehouse space. The Company determines if an arrangement is a lease at inception. Contracts containing a lease are further evaluated for classification as an operating or finance lease where the Company is a lessee, or as an operating, sales-type or direct financing lease where the Company is a lessor, based on their terms. Operating leases are included in right-of-use ("ROU") lease assets and lease liabilities on the Company's consolidated balance sheets. The Company subleases office space under one existing lease to a third party. Sublease income is reported as other income in the consolidated statements of operations. There was no sublease income recognized in the year ended December 31, 2023 as the related lease was assumed on December 28, 2023 upon closing of the Merger Agreement discussed in Notes 1 and 12.

ROU assets represent the Company's right to use an underlying asset for the lease term and lease liabilities represent the Company's obligation to make lease payments arising from the lease. Operating lease ROU assets and liabilities are recognized at commencement date based on the present value of lease payments over the lease term. As the Company's leases do not provide an implicit rate, the Company uses its incremental borrowing rate based on the information available at commencement date in determining the present value of lease payments. The lease ROU asset also includes any lease payments made and excludes lease incentives. The Company's lease terms may include options to extend or terminate the lease when it is reasonably certain that the Company will exercise that option. Lease expense for lease payments is recognized on a straight-line basis over the lease term. Variable lease payments are expensed as incurred. The Company's lease agreements do not contain any material residual value guarantees or material restrictive covenants.

In evaluating contracts to determine if they qualify as a lease, the Company considers factors such as if the Company has obtained substantially all of the rights to the underlying asset through exclusivity, if it can direct the use of the asset by making decisions about how and for what purpose the asset will be used and if the lessor has substantive substitution rights. This evaluation may require significant judgment.

(i) **REVENUE RECOGNITION**—Revenues are recognized when our customer obtains control of promised goods or services in an amount that reflects the consideration which we expect to receive in exchange for those goods or services. We recognize revenues following the five step model prescribed under Accounting Standards Update ("ASU") No. 2014-09: (i) identify contract(s) with a customer; (ii) identify the performance obligations in the contract; (iii) determine the transaction price; (iv) allocate the transaction price to the performance obligations in the contract; and (v) recognize revenues when (or as) we satisfy the performance obligation.

**Product revenues**

In the U.S., we sell our products to the end user or wholesale distributors. In other countries, we sell our products primarily to wholesale distributors and other third-party distribution partners. These customers subsequently resell our products to health care providers and patients.

Revenues from product sales are recognized when the customer obtains control of our product, which occurs at a point in time, typically upon delivery to the customer. We expense incremental costs of obtaining a contract as and when incurred if the expected amortization period of the asset that we would have recognized is one year or less or the amount is immaterial. We treat shipping and handling costs performed after a customer obtains control of the product as a fulfillment cost. We have identified one performance obligation in our contracts with customers which is the delivery of product to our customers. The transaction price is recognized in full when we deliver the product to our customer, which is the point at which we have satisfied our performance obligation.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023 and 2022**

**(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES: (CONTINUED)**

For additional information on our revenues, please read Note 3, Revenues, to these consolidated financial statements.

(j) SHIPPING AND HANDLING FEES—Shipping and handling fees, if billed to customers, are included in product sales. Shipping and handling costs associated with inbound and outbound freight are expensed as incurred and included in freight and shipping expense.

(k) ADVERTISING—Advertising costs are charged to operations when incurred. We incur minimal advertising expenses.

(l) RESEARCH AND DEVELOPMENT COSTS— Research and development costs are either expensed as incurred. The Company records amounts paid in advance of the service being rendered as a prepaid asset, and the expense recognized when the service is performed. Research and development costs are primarily comprised of personnel-related expenses and external research and development expenses incurred under arrangements with third parties, such as contract research organizations and consultants. At the end of each reporting period, the Company compares the payments made to each service provider to the estimated progress towards completion of the related project. Factors that the Company considers in preparing these estimates include the number of patients enrolled in studies, milestones achieved, and other criteria related to the efforts of its vendors. These estimates will be subject to change as additional information becomes available. Depending on the timing of payments to vendors and estimated services provided, the Company will record net prepaid or accrued expenses related to these costs. Prepaid clinical expenses represent valid future economic benefits based on our contracts with our vendors and are realized in the ordinary course of business.

(m) INCOME TAXES—Deferred tax assets and liabilities are recognized for the estimated future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective income tax bases. Deferred tax assets and liabilities are measured using enacted rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. In addition, tax benefits related to positions considered uncertain are recognized only when it is more likely than not the position will be sustained upon examination by the tax authorities. Such tax positions shall initially and subsequently be measured as the largest amount of tax benefit that has a greater than 50% likelihood of being realized upon ultimate settlement with the tax authority assuming full knowledge of the position and relevant facts. As of December 31, 2023 and 2022, the Company has recorded a full valuation allowance against its deferred tax assets.

(n) NET LOSS PER COMMON SHARE—Basic and fully diluted net loss per common share is computed using a simple weighted average of common shares outstanding during the periods presented, as outstanding warrants to purchase 13,476,554 and 2,045,846 shares of common stock were antidilutive for the years ended December 31, 2023 and 2022, respectively. Additionally, outstanding options to purchase 899,820 and 425,646 shares of common stock were antidilutive for the years ended December 31, 2023 and 2022, respectively, and therefore also excluded.

(o) STOCK-BASED COMPENSATION— The Company periodically awards stock to employees, directors, and consultants. In the case of employees and consultants, an expense is recognized equal to the fair value of the stock determined using the closing trading price of the stock on the award date. With respect to directors, the Company accrues stock compensation expense on a quarterly basis based on the Company's historical director compensation policies, and each quarter recognizes such expense based on the trading price of the common stock during such quarter. This expense is then accrued up at the time the shares are issued to directors based on the trading price at the time of issuance.

The Company periodically issues stock options under its 2021 Equity Incentive Plan. The Company uses the Black-Scholes valuation method to estimate the fair value of stock options at grant date. Compensation expense is recognized on the straight-line basis over the requisite service period, which is generally the vesting period.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**DECEMBER 31, 2023 and 2022**

**(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES: (CONTINUED)**

(p) **FAIR VALUE MEASUREMENTS AND DISCLOSURES**—Accounting Standards Codification ("ASC") 820, "Fair Value Measurements and Disclosures," requires companies to determine fair value based on the price that would be received to sell the asset or paid to transfer the liability to a market participant. ASC 820 emphasizes that fair value is a market-based measurement, not an entity-specific measurement.

The guidance requires that assets and liabilities carried at fair value be classified and disclosed in one of the following categories:

- Level 1: Quoted market prices in active markets for identical assets or liabilities.
- Level 2: Observable market-based inputs or unobservable inputs that are corroborated by market data.
- Level 3: Unobservable inputs that are not corroborated by market data.

We have no assets or liabilities required to have their fair value measured on a recurring basis at December 31, 2023 or 2022. Long-lived assets are measured at fair value on a non-recurring basis and are subject to fair value adjustments when there is evidence of impairment.

For short-term classes of our financial instruments, which include cash and cash equivalents, accounts receivable and accounts payable, and which are not reported at fair value, the carrying amounts approximate fair value due to their short-term nature.

As December 31, 2023, money market funds were the only financial instrument measured and recorded at fair value on a recurring basis on the Company's consolidated balance sheets. Money market funds were recorded within cash and cash equivalents. The following table present money market funds at their level within the fair value hierarchy for the periods indicated. There were no money market funds held at December 31, 2022.

	Fair Value Hierarchy Level	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
<b>Cash equivalents:</b>					
Money market funds invested in U.S. government obligations	Level 1	\$ 4,792,338	\$ -	\$ -	\$ 4,792,338
<b>Total</b>		<u>\$ 4,792,338</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 4,792,338</u>

(q) **USE OF ESTIMATES**—The preparation of consolidated financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions, including regarding contingencies, that affect the amounts reported in the consolidated financial statements and accompanying notes. The Company's most significant estimates relate to inventory obsolescence, stock-based compensation, warrant liability valuation, fair value of warrants issued, assumed liabilities associated with Merger (see Note 12), and allowance for credit losses. Although management bases its estimates on historical experience and assumptions that are believed to be reasonable under the circumstances, actual results could significantly differ from these estimates.

(r) **RECENT ACCOUNTING PRONOUNCEMENTS**— In June 2016, the Financial Accounting Standards Board ("FASB") issued ASU 2016-13, "Financial Instruments – Credit Losses" (Topic 326), which provides guidance on how an entity should measure credit losses on financial instruments. The standard amends the impairment model by requiring entities to use a forward-looking approach based on expected losses to estimate credit losses for most financial assets and certain other instruments that aren't measured at fair value through net income. The ASU is effective for smaller reporting companies in the first quarter of 2023. The Company adopted the new guidance as of January 1, 2023, and it did not have a material impact on its consolidated financial statements.

In August 2020, the FASB issued ASU 2020-06, "Debt – Debt with Conversion and Other Options (Subtopic 470-20) and Derivatives and Hedging – Contracts in Entity's Own Equity (Subtopic 815-40)" ("ASU 2020-06"). ASU 2020-06 simplifies the accounting for certain financial instruments with characteristics of liabilities and equity, including convertible instruments and contracts on an entity's own equity. The ASU 2020-06 amendments are effective for fiscal years beginning after December 15, 2023, and interim periods within those fiscal years. Early adoption is permitted, but no earlier than fiscal years beginning after December 15, 2020, including interim periods within those fiscal years. The Company adopted this standard as of January 1, 2023, and determined no material impact on its consolidated financial statements.

In December 2023, the FASB issued ASU 2023-09, "Income Taxes (Topic 740) - Improvements to Income Tax Disclosures." The new guidance is intended to enhance the transparency and decision usefulness of income tax disclosures by requiring disaggregated information about a reporting entity's effective tax rate reconciliation and information on income taxes paid. The amendment is effective for fiscal years beginning after December 15, 2024, with early adoption permitted. The amendment in this update should be applied on a prospective basis, with retrospective application permitted. The Company is in the process of evaluating the impact that the adoption of ASU 2023-09 will have on the consolidated financial statements and related disclosures.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
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**(2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES: (CONTINUED)**

In June 2022, the FASB issued ASU No. 2022-03, Fair Value Measurement (Topic 820): Fair Value Measurement of Equity Securities Subject to Contractual Sale Restrictions ("ASU 2022-03") which clarifies guidance for fair value measurement of an equity security subject to a contractual sale restriction and establishes new disclosure requirements for such equity securities. ASU 2022-03 is effective for fiscal years beginning after December 15, 2023 and for interim periods within those fiscal years, with early adoption permitted. The Company is currently evaluating the impact of ASU 2022-03 on its consolidated financial statements.

(s) **WARRANTS**— The Company accounts for its warrants as either equity-classified or liability-classified instruments based on an assessment of the specific terms of the warrants considering the authoritative guidance in ASC 480, "Distinguishing Liabilities from Equity" ("ASC 480"), and ASC 815, "Derivatives and Hedging" ("ASC 815"). The assessment considers whether the warrants meet the definition of a liability pursuant to ASC 480 and meet all of the requirements for equity classification under ASC 815, including whether the warrants are indexed to the Company's own common stock and satisfy additional conditions for equity classification. Warrants that are liability-classified are measured at fair value at each reporting date in accordance with the guidance in ASC 820, "Fair Value Measurement," with any subsequent changes in fair value recognized in the statement of operations in the period of change. The fair value of liability classified warrants was not material at December 31, 2023 and 2022.

**(3) REVENUES:**

The Company operates in one business segment, which primarily focuses on the development and commercialization of innovative cyclodextrin-based products for the treatment of people with serious and life-threatening rare diseases and medical conditions. However, substantially all of the Company's revenues are derived from the sale of cyclodextrins and related products to the pharmaceutical, nutritional, and other industries, primarily for use in diagnostics and specialty drugs.

The Company considers there to be revenue concentration risks for regions where net product revenues exceed 10% of consolidated net product revenues. During 2023, approximately 12% of the Company's net product revenues were made to foreign customers. Based on geographical, there were no revenue concentrations in 2022. The concentration of the Company's net product revenues within the regions below may have a material adverse effect on the Company's revenues and results of operations if sales in the respective regions experience difficulties. As of December 31, 2023, approximately 39% of the Company's total accounts receivable were due from one foreign customer. There were no concentrations of accounts receivable from foreign customers as of December 31, 2022.

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**(3) REVENUES: (CONTINUED)**

Revenues by product are summarized as follows:

	Years Ended December 31,	
	2023	2022
Trappsol® Cyclo™	\$ 1,282	\$ 5,118
Trappsol® HPB	649,863	851,756
Trappsol® Fine Chemical	411,404	501,295
Aquaplex®	10,216	5,460
Other	3,640	12,131
Total revenues	\$ 1,076,405	\$ 1,375,760

**(4) MAJOR CUSTOMERS AND SUPPLIERS:**

Our revenues are derived primarily from chemical supply and pharmaceutical companies located primarily in the United States and Canada. In 2023, two major customers accounted for 72% of total revenues. Accounts receivable balances for these major customers represent 77% of total accounts receivable at December 31, 2023. Accounts receivable balances for three customers accounted for 91% of total accounts receivable at December 31, 2023. In 2022, three major customers accounted for 68% of total revenues. Accounts receivable balances for these major customers represent 19% of total accounts receivable at December 31, 2022. Accounts receivable balances for three customers accounted for 94% of total accounts receivable at December 31, 2022.

Substantially all inventory purchases were from four vendors in 2023 and 2022; however, the Company believes it can maintain purchases at similar levels through other readily available vendors in the marketplace. The Company maintains vendors both domestically and internationally.

For the years ended December 31, 2023 and 2022, the product mix of our revenues consisted of 99% basic natural and chemically modified cyclodextrins and 1% cyclodextrin complexes.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
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**(5) CONCENTRATIONS OF CREDIT RISK:**

Significant concentrations of credit risk for all financial instruments owned by the Company are as follows:

The Company's financial instruments that are exposed to concentrations of credit risk consist primarily of cash and cash equivalents and accounts receivable. Cash equivalents represent highly liquid investments with maturities of 90 days or less at the date of purchase. Credit risk related to cash and cash equivalents is based on the creditworthiness of the financial institutions at which these funds are held. The Company has cash balances at financial institutions which throughout the year may exceed the federally insured limit of \$250,000. Any loss incurred or a lack of access to such funds could have a significant adverse impact on the Company's financial condition, results of operations, and cash flows. To reduce its risk associated with the failure of such financial institution, the Company evaluates the rating of the financial institution in which it holds deposits. Any material loss that the Company may experience in the future could have an adverse effect on its ability to pay its operational expenses or make other payments and may require the Company to move its cash to other high quality financial institutions. Currently, the Company is reviewing its bank relationships in order to mitigate its risk to ensure that its exposure is limited or reduced to the Federal Deposit Insurance Corporation protection limits.

The Company extends credit to customers in the normal course of business. Concentrations of credit risk with respect to accounts receivable exist to the full extent of amounts presented in the consolidated financial statements. The Company does not require collateral from its customers to secure accounts receivable.

The Company has no significant off-balance sheet risk such as foreign exchange contracts, option contracts, or other hedging arrangements.

**(6) FURNITURE AND EQUIPMENT:**

Furniture and equipment consist of the following as of December 31:

	<u>2023</u>	<u>2022</u>
Machinery and equipment	\$ 75,137	\$ 75,137
Office furniture	84,010	81,590
	<u>159,147</u>	<u>156,727</u>
Less: accumulated depreciation	120,815	101,539
Furniture and equipment, net	<u>\$ 38,332</u>	<u>\$ 55,188</u>

Depreciation expense for the years ended December 31, 2023 and 2022 was \$19,276 and \$19,481, respectively.

**(7) ACCOUNTS PAYABLE AND ACCRUED EXPENSES:**

Accounts payable and accrued expenses consist of the following as of December 31:

	<b>Years Ended December 31,</b>	
	<u>2023</u>	<u>2022</u>
Accounts payable	\$ 4,856,530	\$ 2,233,894
Accrued bonus compensation	1,590,776	902,614
Accrued board expense	92,110	72,125
Sub-lease deposit liability	243,742	-
Merger liabilities	487,402	-
Other	186,856	272,036
Total accounts payable and accrued expenses	<u>\$ 7,457,416</u>	<u>\$ 3,480,669</u>

**(8) LEASES:**

The Company entered into an operating lease in January 2023 for office and warehouse space, which has a lease term expiring in January 2026, with an option to extend for an additional three years. As it is not reasonably certain the Company will exercise the option to extend, the additional three years have not been included in the lease term. This lease replaced an existing operating lease which expired January 2023.

At the closing of the Merger Agreement as discussed in Notes 1 and 12, the Company assumed an operating lease for office space which is being subleased to a third party. The lease and sublease agreement expire in August 2024.

Right-of-use lease assets are recorded net of accumulated amortization of \$17,242 and \$66,552 as of December 31, 2023 and 2022, respectively. Lease expense for lease payments is recognized on a straight-line basis over the lease term. Lease expense was \$28,353 and \$16,166 for the years ended December 31, 2023 and 2022, respectively. There was no sublease income recognized during the year ended December 31, 2023.

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**(8) LEASES: (CONTINUED)**

Other information related to leases for the years ended December 31, 2023 and 2022 was as follows:

	2023	2022
Cash paid for amounts included in the measurement of lease liabilities:	\$ 17,000	\$ 19,800
Operating lease assets obtained in merger recapitalization	850,542	-
Operating lease liability assumed in merger recapitalization	992,141	-
Weighted-average remaining lease term—operating leases (in years)	.72	.08
Weighted-average discount rate—operating leases	3%	6%

Future sublease income for the year ending December 31, 2024 is \$1,390,024.

Future minimum lease payments under non-cancellable operating leases as of December 31, 2023 were as follows:

Year Ending December 31,	Amount
2024	\$ 1,020,604
2025	21,590
2026	1,804
Total future minimum lease payments	1,043,998
Less: Imputed interest	(10,883)
	<u>\$ 1,033,115</u>

**(9) NOTE PAYABLE:**

On May 4, 2020, the Company's wholly owned subsidiary, Cyclodextrin Technologies Development, Inc., borrowed \$158,524 from BBVA USA under the Paycheck Protection Program ("PPP") which was established under the Coronavirus Aid, Relief and Economic Security Act ("CARES Act"). The loan matured on May 4, 2022 and bore interest at a rate of 1% per annum, payable monthly commencing on September 5, 2021.

Under the PPP, because the loan was used to fund certain qualifying expenses as described in the CARES Act, the full amount of the loan, including accrued interest was forgiven in March 2022. As a result, the balance forgiven is presented separately as gain on the forgiveness of PPP loan in the accompanying consolidated statement of operations.

**(10) EQUITY TRANSACTIONS:**

On March 3, 2023, and December 26, 2023, following the approval of the Company's stockholders at special meetings, the Company's Articles of Incorporation were amended to increase the number of authorized shares of common stock from 20,000,000 to 50,000,000 and then from 50,000,000 to 250,000,000, respectively.

In 2023, the Company did not issue shares to any employees. In 2022, the Company expensed \$15,750 in employee stock compensation relating to the issuance of 7,500 shares to an employee. These shares were valued using quoted market values.

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**(10) EQUITY TRANSACTIONS: (CONTINUED)**

In 2023, the Company did not issue shares to any members of the scientific advisory board. In 2022, the Company issued 5,000 shares with a value of \$10,500 to a member of the scientific advisory board. In 2023, the Company issued 42,599 shares to a director for consulting fees of \$39,617. In 2022, the Company did not issue any shares to consultants.

The Company accrues board compensation expense over the period earned. Board compensation expense for board members is included in "Board of Directors fees and costs" on our consolidated statement of operations. In 2023, the Company issued 259,318 shares to board members with a value of \$305,181, at the time of issuance, in addition to \$30,750 of accrued stock compensation as of December 31, 2022. In 2022, the Company issued 65,479 shares to board members with a value of \$133,263, at the time of issuance, in addition to \$41,004 of accrued compensation of December 31, 2021.

On January 3, 2023, the Company sold to an institutional investor in a registered direct offering 930,000 shares of common stock at a purchase price per share of \$1.61, and prefunded warrants to purchase up to an aggregate of 1,678,696 shares of common stock at a purchase price of \$1.61 per pre-funded warrant. The pre-funded warrants have an exercise price of \$0.0001 per share and remain exercisable until exercised in full. In a concurrent private placement, the Company also issued to the investor Series A-1 warrants to purchase up to 2,608,696 shares of common stock at an exercise price of \$1.36 per share, exercisable for a period of five years from the date of issuance, and Series A-2 warrants to purchase up to 2,608,696 shares of common stock at an exercise price of \$1.36 per share, exercisable for a period of three years from the date of issuance. The net proceeds from the registered direct offering were approximately \$3.7 million after deducting fees due to the placement agent in the offering. A holder of pre-funded warrants may not exercise the warrant if the holder, together with its affiliates, would beneficially own more than 9.99% of the number of shares of common stock outstanding immediately after giving effect to such exercise. A holder of pre-funded warrants may increase or decrease this percentage, but not in excess of 9.99%, by providing at least 61 days' prior notice to the Company. A holder of the Series A-1 and Series A-2 warrants may not exercise the warrant if the holder, together with its affiliates, would beneficially own more than 4.99% of the number of shares of common stock outstanding immediately after giving effect to such exercise, and may increase or decrease this percentage, but not in excess of 9.99%, by providing at least 61 days' prior notice to the Company.

The Company classified the fair value of the warrants as equity because they are indexed to its own stock and meet the conditions necessary for equity classification in accordance with the guidance in ASC Subtopic 815-40 on derivatives and hedging.

H.C. Wainwright & Co., LLC acted as placement agent to the Company in connection with the registered direct offering and concurrent private placement and was paid a cash fee equal to 7.5% of the gross proceeds of the offering, a management fee equal to 1.0% of the gross proceeds of the offering, and was reimbursed by the Company for its non-accountable expenses in the amount of \$35,000, for fees and expenses of its legal counsel, for other out-of-pocket expenses in the amount of \$50,000, and for its clearing expenses in the amount of \$15,950. The Company also issued to designees of the placement agent five-year warrants to purchase an aggregate of 156,522 shares of common stock at an exercise price of \$2.0125 per share.

On January 25, 2023, the investor exercised a portion of its pre-funded warrants and acquired 400,696 shares of common stock for an aggregate exercise price of \$40, and on February 27, 2023, the investor exercised an additional portion of its pre-funded warrants and acquired 741,000 shares of common stock for an aggregate exercise price of \$74. On April 3, 2023, the investor exercised the remaining balance of pre-funded warrants and acquired 537,000 shares of common stock for an aggregate exercise price of \$54.

On April 20, 2023, the Company, completed a private placement of its securities priced at-the-market under the rules of The Nasdaq Stock Market, Inc., to a group of accredited investors that included several directors of the Company and members of management and their affiliates. Investors in the private placement purchased 1,562,883 shares of common and were issued warrants to purchase 1,562,883 shares of common stock. The purchase price for one share of common stock and a warrant to purchase one share of common stock was \$0.835. The warrants have an exercise price of \$0.71 and have a term of seven years. The gross proceeds of the private placement were \$1,305,000.

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**(10) EQUITY TRANSACTIONS: (CONTINUED)**

On May 2, 2023, the Company completed the private placement of its securities to Rafael Holdings, Inc. ("Rafael Holdings"), a Delaware corporation, in which it purchased 2,514,970 shares of common stock, and a warrant to purchase an additional 2,514,970 shares of common stock for an aggregate purchase price of \$2,100,000. The warrant has an exercise price of \$0.71 per share, and is exercisable for the seven-year period starting August 1, 2023, the date Company obtained the approval of its shareholders to the exercise of the warrant in accordance with Listing Rules 5635(b) and 5635(d) of The Nasdaq Stock Market, Inc. In connection with the closing of the transaction, the Company (i) entered into a Registration Rights Agreement with Rafael Holdings requiring the Company to file a registration statement with the Securities and Exchange Commission to register the resale of the shares and shares of common stock underlying the Warrants, upon the request of Rafael Holdings, and (ii) appointed William Conkling, the CEO of Rafael Holdings, to the Company's Board of Directors.

On August 1, 2023, the Company completed an additional private placement of its securities to Rafael Holdings pursuant to a securities purchase agreement between the Company and Rafael Holdings dated June 1, 2023. Rafael Holdings purchased 4,000,000 shares of common stock and a seven-year warrant to purchase an additional 4,000,000 shares of common stock at a price of \$1.25 per share, for an aggregate purchase price of \$5,000,000. The issuance of the shares and warrant to Rafael Holdings was approved by the Company's shareholders at the annual meeting held on July 31, 2023, in accordance with Listing Rules 5635(b) and 5635(d) of The Nasdaq Stock Market, Inc.

On October 20, 2023, the Company entered into a security purchase agreement with certain investors of the April and May 2023 private placement. The investors exercised warrants to purchase 3,359,297 shares of common stock and the gross proceeds were \$2,388,077. In exchange, the investors received new warrants with an exercise price equal to \$0.95 per share, to purchase 110% of the number of shares of the Company's common stock covered under the original warrants. The new warrants will be exercisable for cash only and have a term of four years from the issuance date. The Company determined the fair value of the warrants was \$2,387,117 using the following inputs to the Black-Scholes pricing model: stock price \$0.95, exercise price \$0.95, life 4 years, dividend rate -0-, risk free interest rate 4.86 and volatility 92.6%. The fair value was deemed to be a cost of capital and was included in equity. The investors include Rafael Holdings, a significant shareholder of the Company, several directors of the Company and management.

On December 27, 2023, the Company completed a strategic combination with Applied Molecular Transport, Inc. See Note 12.

Warrants

The following table presents the number of common stock warrants outstanding:

Warrants outstanding, December 31, 2021	2,048,186
Issued	-
Exercised	-
Expired	(2,340)
Warrants outstanding, December 31, 2022	2,045,846
Issued	18,825,700
Exercised	(5,037,993)
Expired	(87,707)
Warrants outstanding, December 31, 2023	<u>15,745,846</u>

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**(10) EQUITY TRANSACTIONS: (CONTINUED)**

The following table presents the number of common stock warrants outstanding, their exercise price, and expiration dates at December 31, 2023:

Warrants Issued	Exercise Price	Expiration Date
58,930	\$ 35	February 2024
2,400	\$ 25	October 2024
57,600	\$ 25	October 2024
302,379	\$ 9.37	November 2024
80,000	\$ 25	April 2025
35,200	\$ 65	December 2025
2,223	\$ 11	September 2025
283,111	\$ 15	August 2027
1,078,796	\$ 5	December 2025
57,500	\$ 6.25	December 2025
2,608,596	\$ 1.36	January 2026
156,522	\$ 2.02	December 2027
2,608,596	\$ 1.36	January 2028
3,695,227	\$ 0.95	October 2028
718,566	\$ 0.71	April 2030
4,000,000	\$ 1.25	August 2030
<u>15,745,846</u>		

In addition, there are currently outstanding seven-year warrants to purchase (i) 1,641 Units sold in our February 2017 private placement at an exercise price of \$35.00 per Unit, and (ii) 2,400 Units sold in our October 2017 private placement at an exercise price of \$25.00 per Unit. The exercise in full of these warrants to purchase units (including exercise of the warrants underlying these warrants) would result in the issuance of 8,082 additional shares of our common stock at an aggregate exercise price of \$234,861.

**(11) PREFERRED STOCK:**

The Company's Articles of Incorporation provide for 5,000,000 shares of "blank check" preferred stock. At December 31, 2023 and 2022, no shares of preferred stock were outstanding or designated.

**(12) MERGER WITH APPLIED MOLECULAR TRANSPORT INC.:**

On December 27, 2023, the Company, completed a strategic combination pursuant to that certain Agreement and Plan of Merger, dated as of September 21, 2023 (the "Merger Agreement"), by and among the Company, Cameo Merger Sub, Inc., a Delaware corporation and wholly owned subsidiary of the Company ("Merger Sub"), and Applied Molecular Transport Inc., a Delaware corporation ("AMTI"), providing for the merger of Merger Sub with and into AMTI, with AMTI surviving the merger as a wholly-owned subsidiary of the Company (the "Merger").

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**(12) MERGER WITH APPLIED MOLECULAR TRANSPORT INC.: (CONTINUED)**

At the closing of the Merger each share of common stock of AMTI that was issued and outstanding immediately prior to the closing (other than (i) treasury shares, and (ii) any shares of AMTI common stock held directly by the Company or Merger Sub) was automatically converted into the right to receive a number of shares of common stock of the Company equal to 0.1331 (the "Exchange Ratio"). No fractional shares of the Company's common stock were issued in connection with the Merger and the number of shares of the Company's common stock issued to the AMTI stockholders was rounded up to the nearest whole share. Each option to purchase shares of AMTI common stock that was outstanding immediately prior to the closing and had an exercise price per share equal to or less than \$0.40 was automatically assumed and converted as of the closing into an option to acquire, on substantially similar terms and conditions as were applicable under such AMTI option, the number of shares of the Company's common stock determined by multiplying the number of shares of AMTI common stock subject to such AMTI option immediately prior to the closing by the Exchange Ratio (rounded down to the nearest whole share) with an exercise price per share equal to the exercise price per share of such AMTI option immediately prior to the closing, divided by the Exchange Ratio (rounded up to the nearest whole cent). Each AMTI option that was outstanding immediately prior to the closing and had an exercise price per share greater than \$0.40 was automatically cancelled and extinguished for no consideration.

The Merger has been accounted for as a recapitalization of the Company, as the transaction is, in essence, an exchange of the Company's common shares for cash and cash equivalents and the assumption of minimal assets and liabilities. At closing, the Company assumed an existing AMTI building lease and related sublease. The lease is reported as a right-of-use asset and related lease liability, approximating \$851,000 and \$992,000, respectively. The following table summarizes the assets and liabilities assumed in the recapitalization merger:

Cash and cash equivalents	\$	10,042,488
Right-of-use lease asset		850,542
Security deposit		127,111
Prepays and other assets		197,844
Lease liability		(992,141)
Sub-lease deposit liability		(243,724)
Other liabilities		(487,402)
Net assets	\$	<u>9,494,718</u>

Proceeds from the merger, net of issuance costs of \$688,480, were \$9,354,008.

The Company issued approximately 5,725,306 shares of its common stock and 108,875 stock options to the former AMTI stockholders in conjunction with the Merger. The issuance of the Company's common stock was registered under the Securities Act of 1933, as amended (the "Securities Act") pursuant to a registration statement on Form S-4 (File No. 333-275371) (the "Registration Statement") filed by the Company with the U.S. Securities and Exchange Commission (the "SEC") and declared effective on November 21, 2023 (the "Registration Statement"). The shares of AMTI common stock, which previously traded under the symbol "AMTI," ceased trading on the Nasdaq Capital Market ("Nasdaq") as of the close of trading on December 26, 2023 and were delisted from Nasdaq as of December 27, 2023.

In December 2023, two lawsuits were filed against AMTI in connection with the Merger. The Company has accrued an estimate of potential liability based on the best information available. While the outcome remains uncertain, the Company does not expect the lawsuits to have a material adverse effect on cash flows, financial condition, or results of operations.

**(13) INCOME TAXES:**

Deferred income taxes reflect the net tax effects of temporary differences between carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. Realization of net deferred tax assets is dependent upon future earnings, if any, the timing and amount of which are uncertain. Under ASC 740, deferred tax assets must be reduced by a valuation allowance if it is likely that all or a portion of it will not be realized. At December 31, 2023, we have determined it is more likely than not that we will not realize our temporary deductible differences and net operating loss carryforwards, and have provided a 100% valuation allowance on our net deferred tax asset.

Positive evidence we evaluated in the order of significance and weighting in our evaluation includes the amount of net operating loss carryforward utilized against current income tax liabilities in four of the prior ten years, and the length of time the net operating loss carryforwards are available before they expire. Negative evidence we considered in the order of significance and weighting in our evaluation include our recent net losses, our plans for continued clinical trial and product development expenses, the timing of expiration of the net operating loss carryforwards prior to being utilized, unpredictability of future sales and profitability, competition from others, and new government regulations. We determined greatest weight should be given to our plans for continued clinical trial and product development expenses, trend of increasing expenses, and net operating losses in our evaluation. We re-measure our valuation allowance each quarter based on changes in our current and expected future sales and margins, and changes in the other factors of both positive and negative evidence.

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**(13) INCOME TAXES: (CONTINUED)**

At December 31, 2023, we have unused federal and state net operating loss carryforwards totaling approximately \$49,807,000 that may be applied against future taxable income.

If not used, the net operating loss carryforwards will expire as follows:

<b>Year Ending December 31,</b>	<b>Amount</b>
2024	\$ 66,000
2028	7,000
2030	160,000
2031	73,000
2032	48,000
2034	727,000
2035	1,969,000
2036	2,867,000
2037	2,481,000
Indefinite	41,409,000
<b>Total</b>	<b>\$ 49,807,000</b>

The utilization of NOLs and tax credit carryforwards to offset future taxable income may be subject to an annual limitation as a result of ownership changes that have occurred previously or may occur in the future. Under Sections 382 and 383 of the Internal Revenue Code ("IRC"), a corporation that undergoes an ownership change may be subject to limitations on its ability to utilize its pre-change NOLs and other tax attributes otherwise available to offset future taxable income and/or tax liability. An ownership change is defined as a cumulative change of 50% or more in the ownership positions of certain stockholders during a rolling three-year period. The Company has not completed a formal study to determine if any ownership changes within the meaning of IRC Sections 382 and 383 have occurred. If an ownership change has occurred, the Company's ability to use its NOLs or tax credit carryforwards may be restricted, which could require the Company to pay federal or state income taxes earlier than would be required if such limitations were not in effect.

The Company has expenses that qualify for the Orphan Drug Credit. The Orphan Drug Credit may be used to offset any current tax liabilities. Unused credits may be carried forward for 20 years. If the credit has not been used by the end of the 20 year carryforward period, it can be deducted as an expense for federal income tax purposes. The cumulative unused credit carryforward was \$13,900,000 at December 31, 2023, which is reduced by an uncertain tax position of \$6,950,000 as the Company has not as of yet performed a study of related expenses.

For 2023 we did not recognize a benefit or provision for income taxes. The net deferred tax asset before the valuation allowance increased \$1,659,000 from 2022 to 2023, which is primarily the result of an additional net operating loss for 2023. We increased our valuation allowance to offset this increase in our deferred tax asset. For 2022 we did not recognize a benefit or provision for income taxes. The net deferred tax asset before the valuation allowance increased \$5,464,000 from 2021 to 2022, which is primarily the result of an additional net operating loss for 2022. We increased our valuation allowance to offset this increase in our deferred tax asset.

Significant components of our deferred federal income taxes were as follows:

	<b>2023</b>	<b>2022</b>
<b>Deferred tax assets:</b>		
Net operating loss carryforwards	\$ 12,624,000	\$ 10,761,000
Tax credits, net	6,950,000	10,354,000
Impairment allowances	3,000	19,000
Stock-based compensation	68,000	45,000
Other	167,000	105,000
Accrued bonuses	242,000	245,000
Accrued legal	95,000	-
Lease liabilities	262,000	-
Research and development expenses, net	4,646,000	1,642,000
Less valuation allowance	(24,827,000)	(23,167,000)
Deferred tax asset, net of valuation	230,000	4,000
<b>Deferred tax liabilities:</b>		
Property and equipment	(3,000)	(4,000)
Right-of-use assets	(227,000)	-
Deferred tax liabilities	(230,000)	(4,000)
Net tax assets	\$ -	\$ -

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**(13) INCOME TAXES: (CONTINUED)**

The differences between the effective income tax rate reflected in the benefit (provision) for income taxes and the amounts, which would be determined by applying federal statutory income tax rate of 21% at December 31, 2023 and 2022, are summarized as follows:

	2023	2022
Tax benefit (expense) at federal statutory rate	21%	21%
Effect of state taxes	4%	3%
Other	1%	-%
Tax credits, net of reserve	(17)%	15%
Nondeductible expenses	(1)%	(3)%
Valuation allowance – deferred tax assets	(8)%	(36)%
<b>Total tax benefit (provision)</b>	<b>\$ -</b>	<b>\$ -</b>

The Company files income tax returns in the U.S. federal jurisdiction and three states. The Company is subject to U.S. federal and state income tax examination for calendar tax years beginning in 2004 due to NOLs that are being carried forward for tax purposes.

Effective for tax years beginning after December 31, 2021, taxpayers are required to capitalize any expenses they incurred that are considered incidental to research and experimentation ("R&E") activities under IRC Section 174. While taxpayers historically had the option of deducting these expenses under IRC Section 174, the Tax Act mandates capitalization and amortization beginning with tax years after December 31, 2021. Expenses incurred in connection with R&E activities must be amortized over a 5-year period if incurred in the US or over a 15-year period if incurred outside of the United States. R&E activities are broader in scope than the calculation of qualified research activities under IRC Section 41 (for research and development tax credit purposes). For the year ended December 31, 2022, the Company performed an analysis based on all the guidance available and has determined that it will continue to be in a loss position after considering the R&E capitalization. The Company will continue to monitor the effects of this legislation, however, the Company does not expect to pay cash taxes as a result of this change as the remaining operating expenses excluding R&E expense are significant and expect to continue to generate losses for tax purposes in the near future.

The Company has reviewed and evaluated the relevant technical merits of each of its tax positions in accordance with accounting principles generally accepted in the United States of America for accounting for uncertainty in income taxes.

The following table summarizes our changes in uncertain tax positions:

	2023	2022
Balance, January 1	\$ -	\$ -
Additions based on tax positions related to the current year	6,950,000	-
<b>Balance, December 31</b>	<b>\$ 6,950,000</b>	<b>\$ -</b>

When applicable, interest and penalties will be reflected as a component of income tax expense. The Company does not anticipate any significant change within twelve months of this reporting date.

**(14) EMPLOYEE BENEFIT PLAN:**

The Company's employees who have satisfied certain eligibility requirements are entitled to participate in a 401(k) plan through the Company's professional employer organization. Employee contributions are discretionary. The Company may match employee contributions and may also make discretionary contributions for all eligible employees based upon their total compensation. For 2023 and 2022, the Company elected to match the employee's contribution, not to exceed 4% of compensation. The Company's 401(k) contributions were \$66,505 and \$61,168 for 2023 and 2022, respectively.

**(15) EQUITY INCENTIVE PLANS:**

On August 29, 2019, the Company's stockholders approved the Company's 2019 Omnibus Equity Incentive Plan at a special meeting of stockholders (the "2019 Plan"). The 2019 Plan provides for the issuance of up to 68,437 shares of common stock pursuant to the grant of shares of common stock, stock options or other awards, to employees, officers or directors of, and consultants to, the Company and its subsidiary. Options granted under the Incentive Plan may either be intended to qualify as incentive stock options under the Internal Revenue Code of 1986, or may be non-qualified options, and are exercisable over periods not exceeding ten years from date of grant. As of December 31, 2023, we had awarded 68,437 shares of common stock as awards under the 2019 Plan, with no shares of common stock remaining available for future awards under the 2019 Plan.

On June 24, 2021, the Company's stockholders approved the Company's 2021 Equity Incentive Plan at its annual meeting of stockholders (the "2021 Plan"). The 2021 Plan provides for the issuance of up to 3,000,000 shares of common stock pursuant to the grant of shares of common stock, stock options or other awards, to employees, officers or directors of, and consultants to, the Company and its subsidiary. Options granted under the Incentive Plan may either be intended to qualify as incentive stock options under the Internal Revenue Code of 1986, or may be non-qualified options, and are exercisable over periods not exceeding ten years from date of grant. During the year ended December 31, 2022, we awarded 77,979 shares of common stock and granted 226,746 stock options under the 2021 plan. During the year ended December 31, 2023, we had awarded 301,805 shares of common stock and granted 459,281 stock options under the 2021 Plan, and 92,827 options were forfeited, with 1,811,063 shares of common stock remaining available for future awards. Stock options outstanding on the date of the Merger under the "AMTI" equity stock option plan were assumed if the strike price was \$0.40 strike or lower. Applying the exchange ratio identified in the Merger resulted in the adoption of 108,875 options.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
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**(15) EQUITY INCENTIVE PLANS: (CONTINUED)**

The Company uses the Black-Scholes valuation model to estimate the fair value of stock options at grant date. This valuation model uses the option exercise price as well as estimates and assumptions related to the expected price volatility of the Company's stock, the rate of return on risk-free investments, the expected period during which the options will be outstanding, and the expected dividend yield for the Company's common stock to estimate the fair value of a stock option at the date of grant. The valuation assumptions were determined as follows:

- *Expected stock price volatility:* There is a limited market for the Company's common stock providing a basis to estimate the expected volatility of the Company's stock prices for the purpose of valuing stock options granted. Alternatively, the Company uses the historical volatility of certain publicly traded companies that represents the primary industry sector within which the Company operates.
- *Risk-free interest rate:* The Company bases the risk-free interest rate on the interest rate payable on U.S. Treasury securities in effect at the time of grant for a period that is commensurate with the assumed expected option term.
- *Expected term of options:* The expected term of options represents the period of time options are expected to be outstanding.
- *Expected annual dividends:* The estimate for annual dividends is \$0 because the Company has not historically paid and does not intend to pay dividends in the foreseeable future.

Share-based compensation expense is recorded on a straight-line basis over the requisite service period, which is generally the vesting period.

The following table summarizes weighted-average assumptions used in our calculations of fair value for the years ended December 31, 2023 and 2022:

	<b>2023</b>	<b>2022</b>
Dividend yield	-%	-%
Expected volatility	100.27 – 103.58%	90.5 – 92.3%
Risk-free interest rate	3.36 – 5.36%	1.83 – 2.76%
Expected lives (years)	1 – 6.25	5 – 6.25

The weighted-average fair value of options granted during the year ended December 31, 2023, as determined under the Black-Scholes valuation model, was \$0.69 - \$1.06 per share. The weighted-average fair value of options granted during the year ended December 31, 2022, as determined under the Black-Scholes valuation model, was \$1.60 - \$2.47 per share.

In conjunction with the merger of AMTI the Company assumed 108,875 stock option which were valued using the Black-Sholes option pricing model. The fair value of the stock options assumed were estimated using the following assumptions:

Dividend yield	-%
Expected volatility	93.3%
Risk-free interest rate	4.79%
Expected lives (years)	1

The estimated total fair value of the AMTI options assumed was not material to the 2023 consolidated financial statements.

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
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**(15) EQUITY INCENTIVE PLANS: (CONTINUED)**

The following is a summary of the stock option activity for the years ended December 31, 2023 and 2022:

	Shares	Weighted Average Exercise Price	Aggregate Intrinsic Value	Weighted Average Remaining Contractual Life
Stock options outstanding at December 31, 2021	222,700	\$ 7.45	\$ -	9.7
Granted	226,746	3.18	-	
Exercised	-	-	\$ -	
Expired	-	-	\$ -	
Forfeited	(23,800)	-	-	
Stock options outstanding at December 31, 2022	425,646	5.17	\$ -	8.9
Granted	459,281	1.91	-	
Options assumed	108,875	2.96	-	
Exercised	(1,155)	1.28	\$ -	
Expired	-	-	-	
Forfeited	(92,827)	3.15	-	
Stock options outstanding at December 31, 2023	899,820	\$ 3.12	\$ -	7.7
Stock options exercisable at December 31, 2023	465,566	\$ 3.68	\$ -	6.7

Unrecognized compensation expense related to unvested stock options was \$862,605 as of December 31, 2023, which is expected to be recognized over a weighted-average period of 7.7 years and will be adjusted for forfeitures as they occur.

**(16) NET LOSS PER SHARE:**

The following table sets forth the computation of basic and diluted net loss per common share:

	Years Ended December 31,	
	2023	2022
Numerator		
Net loss	\$ (20,057,302)	\$ (15,450,888)
Denominator		
Weighted-average common shares outstanding, basic and diluted	16,329,713	8,439,177
Net loss per share, basic and diluted	\$ (1.23)	\$ (1.83)

The Company reported a net loss in 2023 and 2022, therefore, the basic and diluted net loss per share are the same in the respective periods because of the inclusion of potential common shares would have an anti-dilutive effect. Potential shares of common stock that are excluded from the computation of diluted weighted-average shares outstanding are as follows:

	Years Ended December 31,	
	2022	2021
Stock options	899,820	425,646
Warrants	13,476,553	2,045,846

**CYCLO THERAPEUTICS, INC. AND SUBSIDIARIES**  
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**(17) COMMITMENTS AND CONTINGENCIES:**

From time to time, the Company is a party to claims and legal proceedings arising in the ordinary course of business. Our management evaluates our exposure to these claims and proceedings individually and in the aggregate and records an expense for potential losses on such litigation if it is possible to estimate the amount of loss and if the amount of the loss is probable.

The Company has employment agreements with its executive officers. As of December 31, 2023, these agreements provide that if an executive is terminated without cause, he will be eligible for the following severance benefits, subject to his execution of a release of claims in a form reasonably satisfactory to the Company.

In the event of a termination of employment by the Company without cause, the executive will be entitled to receive unpaid base salary computed on a pro rata basis to the termination date and any other benefits as required by applicable law (collectively, "Accrued Amounts"). In addition, the executive will receive (i) an amount equal to his annual salary, as in effect on the termination date payable for a period of one year on the same terms and frequency as his base salary was paid prior to termination, (ii) reimbursement for all COBRA expenses for the twelve month period following the termination, which will be reimbursed on a monthly basis and (iii) any bonus payments earned by the executive, but not paid prior to the termination date (collectively, the "Severance Payments") (collectively, the Accrued Amounts, plus the Severance Payments shall be referred to as the "Severance Benefits"). In addition, if the CEO is terminated without cause, all unvested equity awards granted to the CEO will automatically be accelerated on the termination date.

In addition, if the employment of the executive officers is terminated by the Company without "cause" within 12 months following a change in control (as defined in the agreement), then in addition to the Severance Benefits, each executive is also eligible to receive full acceleration of any unvested equity awards that were awarded to the executive.

In connection with an agreement executed in January 2022 with Ashland, Inc., the Company committed to purchase minimum amounts of goods used in its normal operations based on completion of certain milestones. The first two milestones were met during 2023 and \$980,000 of the goods were purchased and received. The Company was invoiced for the second milestone in the amount of \$980,000, although the goods were not received prior to year-end. Future annual minimum purchases remaining under the agreement are \$980,000.

**(18) RELATED PARTY TRANSACTIONS:**

Since October 2016, we have paid a monthly fee of \$5,000 a portion of this which was paid in shares for the year 2023 to C.E. Rick Strattan, in consideration of consulting services provided to us by Mr. Strattan. Mr. Strattan is our founder, former Chief Executive Officer and one of our directors.

In June 2019, we engaged Joshua M. Fine, the son of our Chief Executive Officer, to serve as our Chief Financial Officer. Mr. Fine received an annual salary of \$ 335,780 in both 2023 and 2022. In addition, he was awarded a cash bonus of \$134,312 in both 2023 and 2022. Joshua Fine was awarded stock options with a value of \$42,808 in 2023 and \$82,846 in 2022 that vest over 4 years.

Kevin J. Strattan, the son of C.E. Rick Strattan, has been employed by us since 2008, and since 2014 has been our Vice President, Finance – Compensation. His annual salary was \$180,250 in both 2023 and 2022. In addition, he received cash bonuses of \$54,075 in both 2023 and 2022. In 2023 and 2022 Mr. Strattan was also awarded stock options with a value of \$21,140 and \$44,782, respectively, that vest over 4 years.

Corey E. Strattan, the daughter-in-law of C.E. Rick Strattan, has been employed by us since 2011 as a documentation specialist and logistics coordinator, at an annual salary of \$92,700 in 2023. In addition, she received a cash bonus of \$13,905 in 2023. In 2022, Ms. Strattan received an annual salary of \$92,700 and a cash bonus of \$13,905.

On April 20, 2023, Scott Fine, Chief Executive Officer and certain board members and affiliates purchased 784,436 shares of common stock and we issued 784,436 warrants to purchase 784,436 shares of common stock. See Note 9, Equity Transactions for more information.

On October 20, 2023, Scott Fine, Chief Executive Officer and certain board members and affiliates exercised warrants and in exchange were issued new warrants. Please read Note 10, Equity Transactions, for more information.

**(19) SUBSEQUENT EVENTS:**

On January 17, 2024, the Company received a notice (the "Compliance Letter") from the Office of General Counsel of The Nasdaq Stock Market LLC ("Nasdaq") informing the Company that its deficiency under Listing Rule 5550(b) had been cured and the Company is in compliance with all applicable Nasdaq listing standards. Accordingly, the Compliance Letter provided that the Company's scheduled hearing before the Nasdaq Hearings Panel has been cancelled, and the Company's securities will continue to be listed and traded on Nasdaq.

On February 13, 2024, the Company issued 58,312 shares to board members with a value of \$92,125, which was accrued as stock compensation expense as of December 31, 2023.

## **Item 9. Changes In and Disagreements With Accountants on Accounting and Financial Disclosure**

None.

### **Item 9A. Controls and Procedures**

#### **Evaluation of Disclosure Controls and Procedures.**

Disclosure controls and procedures are the Company's controls and other procedures that are designed to ensure that information required to be disclosed by us in the reports that we file or submit under the Securities Exchange Act of 1934, as amended (the "Exchange Act") is recorded, processed, summarized, and reported within the time periods specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by us in the reports that we file under the Exchange Act is accumulated and communicated to our management, including our principal executive officer and principal financial officer, as appropriate, to allow timely decisions regarding required disclosure. Our management recognizes that any controls and procedures, no matter how well designed and operated, can only provide reasonable assurance of achieving their objectives and management necessarily applies its judgment in evaluating the possible controls and procedures.

Our management has evaluated, with the participation of our principal executive officer and principal financial officer, the effectiveness of our disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act) as of the end of the period covered by this report. Based upon this evaluation, our management, including our principal executive officer and principal financial officer, has concluded that, as of the end of the period covered by this report, the Company's disclosure controls and procedures were effective at the reasonable assurance level.

#### **Identified Material Weakness**

During the preparation of our consolidated financial statements for the year ended December 31, 2023, we identified a material weakness in our internal controls relating to the accounting of complex equity instruments. A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement of our annual or interim financial statements will not be prevented or detected on a timely basis. Specifically, the controls related to the evaluation of the appropriate accounting classification of warrants and related required disclosures.

#### **Remediation Plan**

Management, with the oversight from our Audit Committee and the Board of Directors, updated our internal controls to remediate the material weakness by supplementing our internal procedures through the contracted review of equity transactions by technical accounting experts.

We will not be able to conclude whether the actions we are taking will fully remediate the material weakness in our internal control over financial reporting until the updated controls have operated for a sufficient period of time and management has concluded, through testing, that such controls are operating effectively. We may also conclude that additional measures may be required to remediate the material weakness in our internal control over financial reporting, which may necessitate further action.

#### **Management's Annual Report on Internal Control over Financial Reporting**

Company management is responsible for establishing and maintaining adequate internal control over financial reporting. Internal control over financial reporting is a process designed by, or under the supervision of, our principal executive and principal financial officers and effected by the Company's Board of Directors, management, and other personnel to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles and includes those policies and procedures that:

- pertain to the maintenance of records that in reasonable detail accurately and fairly reflect the transactions and dispositions of the assets of the Company;
- provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the Company are being made only in accordance with authorizations of management and directors of the Company; and
- provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the Company's assets that could have a material effect on the financial statements.

Because of inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Projections of any evaluation of effectiveness to future periods are subject to the risks that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

Management assessed the effectiveness of the Company's internal control over financial reporting as of December 31, 2023. In making this assessment, management used the criteria set forth in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission.

#### **Changes in Internal Control.**

We made no changes in our internal control over financial reporting (as defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) identified in connection with the evaluation of our internal controls that occurred during our last fiscal quarter that has materially affected, or which is reasonably likely to materially affect, our internal control over financial reporting. We are now taking actions to remediate the material weakness, which may result in changes in our internal control over financial reporting in periods subsequent to December 31, 2023.

### **Item 9B. Other Information.**

During the fiscal quarter ended December 31, 2023, none of our directors or officers (as defined in Section 16 of the Securities Exchange Act of 1934, as amended) adopted or terminated any contract, instruction or written plan for the purchase or sale of our securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any "non-Rule 10b5-1 trading arrangement," as defined in Item 408(a) of Regulation S-K.

### **Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections.**

**Not Applicable.**

### PART III

#### Item 10. Directors, Executive Officers, and Corporate Governance

##### Executive Officers and Directors

The following table sets forth the names, ages and positions of our executive officers, directors, and director nominees (ages as of March 1, 2024):

Name	Age	Positions and Offices With Registrant	Year First Became Director
N. Scott Fine	67	Director, Chief Executive Officer	2014
Jeffrey L. Tate, Ph.D.	65	Director, Chief Operating Officer	2010
C.E. Rick Strattan (2)	77	Director	1990
Markus W. Sieger (1) (2)(3)	57	Director and Chairman of the Board of Directors	2014
F. Patrick Ostronic (1)	67	Director and Vice Chairman of the Board of Directors	2014
William S. Shanahan	83	Director	2016
Dr. Randall M. Toig (1)(3)	72	Director	2018
William Conkling(2)	52	Director	2023
Vivien Wong	66	Director	2023
Shawn Cross(3)	55	Director	2023
Joshua M. Fine	41	Chief Financial Officer and Secretary	N/A
Michael Lisjak	49	Chief Regulatory Officer and SVP for Business Development	N/A

- (1) Member of the audit committee.
- (2) Member of the corporate governance and nominating committee.
- (3) Member of the compensation committee.

## Biographies of Directors and Officers

**N. Scott Fine** has been a Director of the Company since February 2014, and became our Chief Executive Officer on September 14, 2015. From 2004 until 2014, he was a principal at Scarsdale Equities, an investment banking firm located in New York City.

Mr. Fine has been involved in investment banking for over 35 years, working on a multitude of debt and equity financings, buy and sell side M&A, strategic advisory work, and corporate restructurings. Much of his time has been focused on transactions in the healthcare and consumer products area. He has led global transactions in healthcare, including medical devices, generic pharmaceuticals, and genetics. Additionally, he worked with The Tempo Group of Jakarta, Indonesia when Mr. Fine and his family resided in Jakarta.

Mr. Fine was Chairman of the Board of The Global Virus Network (GVN), and he also was the lead investment banker on the initial public offering of Green Mountain Coffee Roasters, Inc. and Central European Distribution Corporation ("CEDC"), a multi-billion-dollar alcohol company. Mr. Fine continued his involvement with CEDC serving as a director from 1996 until 2014, during which time he led the CEDC Board in its successful efforts in 2013 to restructure the company through a pre-packaged Chapter 11 process whereby CEDC was acquired by the Russian Standard alcohol group. Recently, Mr. Fine served as Vice Chairman and Chairman of the Restructuring Committee of Pacific Drilling from 2017 to 2018 where he successfully led the independent directors to a successful reorganization. He also served as sole director of Better Place Inc. from 2013 until 2015. In his role there, Mr. Fine successfully managed the global wind down of the company in a timely and efficient manner which was approved by both the Delaware and Israeli Courts.

Mr. Fine currently serves on the board of directors of Kenon Holdings Ltd. (NYSE: KEN). Mr. Fine also devotes time to several non-profit organizations, including through his service on the Board of Trustees for the IWM American Air Museum in Britain. Mr. Fine has been a guest lecturer at Ohio State University's Moritz School of Law and Fordham University Law School.

Mr. Fine's relationships within the financial community in New York and around the world, as well as his significant experience with equity and debt financing, make him a valuable contributor as a Director. Mr. Fine was appointed to the Board of Directors in connection with a private placement of Common Stock by the Company in February 2014. Mr. Fine is the father of Joshua M. Fine, our Chief Financial Officer.

**Dr. Jeffrey L. Tate** has served as a Director of the Company since August 2010 and since September 14, 2015 has served as our Chief Operating Officer. Prior to Mr. Fine's appointment as Chief Executive Officer, Dr. Tate served as our President (from August 2010) and Chief Executive Officer (from July 2014). From January 2007 to February 2010, he was president of J-Jireh Products, Incorporated, a company that develops and markets industrial, food, cosmetic and nutritional products manufactured using pulse drying technology. From January 1995 to December 2006, Dr. Tate served as a principal of J. Benson Tate Consultants LLC, a management consulting company. From July 1999 to January 2005, Dr. Tate served as Vice President of Scientific and Regulatory Affairs of Natural Biologics, LLC, a pharmaceutical company. Dr. Tate received his B.Sc. from the University of Minnesota Department of Botany and his M.Sc. and Ph.D. from the University of Minnesota Graduate School in Management of Technology and Plant Physiology, respectively.

Dr. Tate was selected to serve as a member of our Board of Directors because of his position with Cyclo Therapeutics, Inc. and his experience with biopharmaceutical development, manufacturing and regulatory compliance.

**C.E. Rick Strattan** has served as Director of the Company since 1990. Mr. Strattan served as Chairman and CEO from 1990 until his retirement in 2014, and as treasurer of the Company from August 1990 to May 1995. From November 1987 through July 1989, Mr. Strattan was with Pharmatec, Inc., where he served as Director of Marketing and Business Development for cyclodextrins. Mr. Strattan was responsible for cyclodextrin sales and related business development efforts. From November, 1985 through May, 1987, Mr. Strattan served as Chief Technical Officer for Boots-Celltech Diagnostics, Inc. He also served as Product Sales Manager for American Bio-Science Laboratories, a Division of American Hospital Supply Corporation. Mr. Strattan is a graduate of the University of Florida receiving a B.S. degree in chemistry and mathematics, and has also received an MS degree in pharmacology, and an MBA degree in Marketing/Computer Information Sciences, from the same institution. Mr. Strattan has written and published numerous articles and a book chapter on the subject of cyclodextrins.

Mr. Strattan was selected to serve as a member of our Board of Directors because of his extensive experience with cyclodextrins, his years of executive level experience, and his advanced degrees in pharmacology.

**Markus W. Sieger** has been a Director of the Company since February 2014 and serves as the Chairman of the Company's Board of Directors. Mr. Sieger is an alumnus of the Stanford Graduate School of Business and holds a degree in Economics from the University of Applied Sciences for Business and Administration Zurich. He is a seasoned entrepreneur and senior executive with a multi-industry experience in emerging industries like healthcare, information technology, digital media and fast-moving consumer goods in the United States, Switzerland, Poland, and other countries in Central and Eastern Europe. He held management roles in companies such as Zurich Insurance Group (Switzerland), TVN (Poland) and several others. He was and is a member of the boards of directors of various public and private companies in the United States and Europe. Since June 2016 Mr. Sieger has been CEO of Polpharma Group (Netherlands), one of the leading healthcare companies in the CEE/CIS region. Mr. Sieger is vice-president of the Executive Board of Medicines for Europe, representing the generics industry to the European Union. In this function Mr. Sieger focuses on digitalization and preventive aspects of healthcare.

Mr. Sieger's extensive experience in strategic, operational and investment roles in the healthcare and other industries make him a valuable member of our Board of Directors. Mr. Sieger was appointed to the Board of Directors in connection with a private placement of Common Stock by the Company in February 2014.

**F. Patrick Ostronic** has been a director since April 2014. Mr. Ostronic has been an officer of US Pharmacia International, Inc., a subsidiary of the USP Group since November 2006. Mr. Ostronic is also a director of Novit US, Inc., the general partner of Novit LP. Mr. Ostronic holds a B.A. in Economics and Accounting from The College of the Holy Cross, an M.S. in Accounting from Old Dominion University, and a J.D. from the University of Maryland School of Law, and was previously licensed as a Certified Public Accountant.

Mr. Ostronic's extensive experience in finance and the pharmaceutical industry make him a valuable member of the Board of Directors. Mr. Ostronic was appointed to the Board in connection with a private placement of Common Stock by the Company in April 2014.

**William S. Shanahan** has been a director since June 2016. Mr. Shanahan is currently retired and served as the President of Colgate-Palmolive Company from 1992 until to September 30, 2005. More recently he was a Management Advisor for ValueAct Capital LLC of San Francisco. Mr. Shanahan holds a B.A. from Dartmouth University.

Mr. Shanahan's vast experience will greatly benefit the Company as it seeks to execute its global growth plan, and makes him a valuable member of the Board of Directors.

**Dr. Randall M. Toig** has been a director since March 2018. Until his recent retirement from private practice, Dr. Toig was a practicing physician for more than 35 years in obstetrics, gynecology and gynecological surgery at Gold Coast Gynecology, of which he was the Chief Executive Officer. Dr. Toig is currently an associate professor of clinical obstetrics and gynecology at Northwestern University, Northwestern Memorial Hospital and Northwestern Medical School Prentice Women's Hospital. He previously served at Northwestern Memorial Hospital practicing, teaching and serving on active staff. Dr. Toig holds a B.S. from University of Michigan and received his M.D. from the University of Pittsburgh.

Dr. Toig's medical experience makes him a valuable member of the Board of Directors.

**William Conkling** has been a director since May 2023. Mr. Conkling has served as the Chief Executive Officer of Rafael Holdings, Inc. since February 2022, and was its Chief Commercial and Business Officer from March 8, 2021 to January 31, 2022. Previously, from May 2018 until March 2021, he served as the Vice President, Commercial of Immunomedics Inc. and then of Gilead Sciences, Inc. Mr. Conkling has over 20 years' experience in the pharmaceutical and biotech industries. His experience spans across all areas of commercialization including marketing, sales, market access, commercial operations, and business development. Mr. Conkling helped lead the launch of Trodelvy at Immunomedics Inc. (acquired by Gilead in October 2020). Mr. Conkling also spent over 10 years at Novartis Oncology where he helped lead the launch of the first CAR-T therapy approved in the US as the Global Commercial Leader — Kymriah. Mr. Conkling currently serves on the Board of Directors of Day Three Labs Inc. and Cornerstone Pharmaceuticals, Inc. Mr. Conkling earned his Bachelor's Degree from Fordham University and his Master's in Business Administration from New York University Stern School of Business in 1998.

Mr. Conkling's extensive experience in the pharmaceutical and biotech industries makes him a valuable member of the Board of Directors. Mr. Conkling was appointed to our Board in connection with the investment in our securities made by Rafael in May 2023, and has been nominated to serve as a director pursuant to the securities purchase agreement we entered into with Rafael on June 1, 2023 in connection with such investment.

**Dr. Vivien Wong**, has served as a director since August 2023. She has over 20 years of experience as a pharmaceutical executive in the research and development of drugs and diagnostics. Since 2022, Dr. Wong has acted as an independent consultant and advisor on product development to various pharmaceutical companies and venture capital firms, including serving on (i) the board of directors of Burke Neurological Institute of Weill Cornell Medicine, and (ii) serving on the scientific advisory boards of NeuroCures NY, Inc., Bioscience Task Force, and Westchester County Economic Development. From 2007 to 2021, Dr. Wong held various positions at Progenics Pharmaceuticals, Inc., including as Executive Vice President, Research & Development, where she was responsible for clinical and regulatory research and development strategies for oncology-focused development programs and oversaw various functions, including project management, clinical development, manufacturing, quality control, regulatory compliance. Dr. Wong holds a Ph.D. in Anatomy and Neurobiology from the University of Maryland School of Medicine, a M.S. in Physiology from Southern Illinois University at Carbondale and a B.S. in Biology from Mississippi University for Women

Dr. Wong's extensive experience as an executive in the pharmaceutical and biotech industries makes her a valuable member of the Board of Directors. Dr. Wong was appointed to our Board as a designee of Rafael pursuant to the securities purchase agreement dated June 1, 2023.

**Shawn Cross** has served as a director since December 27, 2023. Mr. Cross served as the Chief Executive Officer and Chair of the AMTI Board of Directors from March 2023 through December 27, 2023, served as AMTI's President and Chief Operating Officer from May 2022 to March 2023 and AMTI's Chief Financial Officer from March 2020 to May 2022. Prior to joining AMTI, Mr. Cross was at JMP Securities LLC where he was Managing Director and Co-Head Healthcare Investment Banking and a member of the Investment Banking Management Committee from September 2018 to March 2020. Prior to JMP Securities LLC, Mr. Cross worked at GT BioPharma, Inc., a clinical stage immuno-oncology company, where he was President and Chief Operating Officer from November 2017 to February 2018 and Chairman of the board of directors and Chief Executive Officer from February 2018 to July 2018. Mr. Cross was Managing Director, Healthcare Investment Banking at Deutsche Bank Securities from November 2015 to November 2017 and Managing Director, Healthcare Investment Banking at Wells Fargo Securities from November 2010 to August 2015. He has served on the board of directors of BioPlus Acquisition Corp since December 2021. Mr. Cross holds a B.S. in Kinesiology from the University of California, Los Angeles, and an M.B.A. from Columbia Business School.

Mr. Cross's experience as an executive in the biotechnology industry and as investment banker in the health care field makes him a valuable member of the Board of Directors. Mr. Cross was appointed to serve on our Board pursuant to the Merger Agreement.

**Joshua M. Fine** was appointed our Chief Financial Officer on June 11, 2019, and has been our Secretary since 2014. From 2011 until his appointment as our Chief Financial Officer, he served as the Vice President/Director, Healthcare Capital Markets, of Scarsdale Equities. Mr. Fine was also the Senior Vice President of Finance and Operations for Icagen, Inc., a biotechnology company, from 2017 until it was wound down in November 2020 after the successful sale of its assets. While at Icagen, Mr. Fine worked closely with the CEO to successfully negotiate and execute licensing deals with Roche, Sanofi, and the Cystic Fibrosis Foundation, and was part of the management team that completed the strategic sale of Icagen's assets to Ligand in April of 2020. Mr. Fine holds a Bachelor of Arts in Political Science from Hartwick College. Mr. Fine is the son of N. Scott Fine, our Chief Executive Officer.

**Michael Lisjak** joined us as our Global Head of Regulatory Affairs and Senior Vice President for Business Development in July 2019, and was appointed our Chief Regulatory Officer in September 2020. He has more than 20 years of regulatory strategy and operations experience within the biopharmaceutical and consulting industries for multiple therapeutic areas, including cardiovascular, metabolic, neuroscience and pain and inflammation. Prior to joining the Company, Mr. Lisjak was the Director of Global Regulatory Affairs at Sanofi from July 2015 to June 2016, leading the Endocrinology and Neuromuscular Rare Disease Area, and then served as Sanofi's Head of Global Regulatory Affairs for Established Products and Global Health until July 2019. Prior to Sanofi, Mr. Lisjak served as the Global Regulatory Services Lead for Accenture's Life Sciences group accountable for the growth and strategic oversight for Accenture's global regulatory offerings, capabilities, and go-to-market strategy. Before Accenture, he held multiple leadership roles at Pfizer and Wyeth with responsibility for developing, maintaining, and directing global regulatory strategies and resources in the provision of regulatory guidance and filings ensuring optimal regulatory interactions with global/regional Health Authorities. Mr. Lisjak holds a B.A. in Biology from Rochester Institute of Technology.

#### **Family Relationships**

Except as set forth above, there are no family relationships among any of our directors or executive officers.

## CORPORATE GOVERNANCE

### Director Independence

Our Board of Directors currently consists of ten directors, seven of whom are "independent" as defined under the rules of the Nasdaq Capital Market because they are not employees or executive officers of the Company, and have not been paid more than \$120,000 of compensation by the Company in any consecutive 12-month period during the past three years. N. Scott Fine, our Chief Executive Officer, and Dr. Jeffrey L. Tate, our Chief Operating Officer, are not independent directors due to their employment by us as executive officers. Rick Strattan is the founder, former Chief Executive Officer, and is not independent due to a consulting agreement with the Company.

### Committees of the Board of Directors

We have an Audit Committee, Compensation Committee, and Nominating Committee. As of March 1, 2024, our Audit Committee consisted of three independent directors who were Patrick Ostronic (Chair), Markus Sieger, and Dr. Randall M. Toig, with Mr. Ostronic considered as an "audit committee financial expert" within the meaning of Regulation S-K of the SEC. As of March 1, 2024, our Compensation Committee consisted of three independent directors who were Markus Sieger (Chair), Shawn Cross and Dr. Randall M. Toig. As of March 1, 2024, our Nominating Committee consisted of three independent directors who C.E. Rick Strattan (Chairman), William Conkling and Marcus Sieger.

### Code of Ethics

We have adopted a Code of Business Conduct and Ethics that applies to our directors, officers and employees, including our principal executive officer, principal financial officer, principal accounting officer or controller, or persons performing similar functions and agents and representatives, including consultants. A copy of the code of ethics and conduct will be available on our website at [www.cyclotherapeutics.com](http://www.cyclotherapeutics.com).

### Delinquent Section 16(a) Reports

We are required to identify each person who was an officer, director, or beneficial owner of more than 10% of our registered equity securities during our most recent fiscal year and who failed to file on a timely basis reports required by Section 16(a) of the Securities Exchange Act of 1934. Based solely upon a review of Forms 3 and 4 and amendments thereto filed with the SEC during the year ended December 31, 2023, no person who, at any time during the year ended December 31, 2023 was a director, officer, or beneficial owner of more than 10 percent of our Common Stock, failed to timely file the reports required by Section 16(a) of the Exchange Act during the year ended December 31, 2023.

### Item 11. Executive Compensation.

The following table contains information concerning the compensation paid during our fiscal years ended December 31, 2023 and 2022 to (i) the person who served as our Chief Executive Officer during 2023, and (ii) our two most highly compensated executive officers as of December 31, 2023 other than our Chief Executive Officer (collectively, our "Named Executive Officers").

SUMMARY COMPENSATION TABLE

Name & Principal Position	Year	Salary (\$)	Bonus \$(1)	Stock Awards (\$)	Option Awards \$(2)	All Other Compensation \$(3)	Total (\$)
N. Scott Fine	2023	540,750	-	-0-	102,969	29,169	672,887
CEO	2022	540,750	262,500	-0-	184,716	77,435	1,065,401
Michael Lisjak	2023	342,990	36,013	-0-	42,808	51,399	473,211
Chief Regulatory Officer	2022	342,990	128,205	-0-	76,792	36,489	584,476
Joshua M. Fine	2023	335,780	40,293	-0-	42,808	45,101	463,982
Chief Financial Officer	2022	335,780	143,440	-0-	76,792	31,749	587,761

- (1) Reflects (i) bonus payments earned by the NEO's in 2022 but paid in fiscal 2023 and (ii) bonus payments earned by NEO's in 2023 and paid in 2023
- (2) Reflects (i) award of options during 2023 to purchase 98,706 shares to Scott Fine and 41,036 shares to each of Mr. Lisjak and Joshua Fine, and at an exercise price of \$1.28 and (ii) award of options during 2022 to purchase 74,907 shares to Scott Fine, and 31,141 shares to each of Mr. Lisjak and Joshua Fine, and at an exercise price of \$3.26. The options vest over a four year period in equal monthly installments. The option award figure represents the value of the option awards at grant date as calculated under FASBASC Topic 718. The Named Executive Officers will not realize the estimated value of these awards in cash until these awards are vested, exercised, and sold, as applicable.
- (3) Reflects matching contributions made under the Company's 401(k) plan, and insurance premiums for health, dental, and vision.

#### Outstanding Equity Awards at Fiscal Year End

As of December 31, 2023, our Named Executive Officers had outstanding unexercised options as set forth below. Our named Executive Officers did not have any unvested stock awards outstanding at December 31, 2023.

Name		Number of securities underlying unexercised options (#) exercisable	Number of securities underlying unexercised options (#) unexercisable	Option Exercise Price (\$ (1))	Option Expiration Date (\$ (2))
N. Scott Fine	(1)	37,454	37,454	3.26	February 28, 2032
	(2)	18,507	80,199	1.28	March 1, 2033
Michael Lisjak	(1)	15,571	15,571	3.26	February 28, 2032
	(2)	694	33,342	1.28	March 1, 2033
Joshua M. Fine	(1)	15,571	15,571	3.26	February 28, 2032
	(2)	694	33,324	1.28	March 1, 2033

(1) These options vest over a four year period in equal monthly installments commencing from the grant date of February 28, 2022.

(2) These options vest over a four year period in equal monthly installments commencing from the grant date of February 28, 2022.

#### Employment Agreements

On February 28, 2022, we entered into employment agreements with each of Scott Fine, Michael Lisjak and Joshua Fine. The employment agreements with our Named Executive Officer include the following material terms:

- Scott Fine is paid an initial base salary of \$540,750, Mr. Lisjak is paid an initial base salary of \$342,990 and Joshua Fine is paid an initial base salary of \$335,780.
- Each executive is eligible to receive an annual raise in his base salary targeted at 3%, in addition to any additional increase approved by the Company.
- Each employment agreement is for a two year term, subject to automatic renewal for successive one-year periods unless either party provides notice of non-renewal prior to the then end of the term.

- Scott Fine is entitled to an annual cash bonus targeted 50% of his base salary, Mr. Lisjak is entitled to an annual cash bonus targeted 35% of his base salary, and Joshua Fine is entitled to an annual cash bonus targeted 40% of his base salary.
- Scott Fine is entitled to receive an annual stock option grant targeted at 0.89% of the Company's outstanding shares on the date of grant, Mr. Lisjak and Joshua Fine are each entitled to receive an annual stock option grant targeted at 0.37% of the Company's outstanding shares on the date of grant. All options will be exercisable for a ten-year period commencing on the date of grant, shall have an exercise price equal to the closing price of the Company's common stock, and vest in 48 equal monthly installments over a four-year period following the grant date.

In the event of the termination of the executive's employment by us other than for Cause (as defined in the employment agreements), the executive will be entitled to continued payment of base salary for one year following the termination date; reimbursement of all COBRA expenses for one year, following the termination date, any bonus payments earned by the executive, but not paid, prior to the termination date, and if such termination occurs within 12 months following a "Change of Control," all unvested stock options of the terminated Executive shall immediately vest in full.

- Upon the termination Scott Fine's employment by us other than for Cause absent a Change of Control, all unvested stock options that would have vested within 12 months following such termination will immediately vest.
- Each executive is subject to confidentiality, non-compete, non-solicitation and work-for-hire provisions.

### Compensation of Directors

The following table shows certain information with respect to the compensation of all of our non-employee directors during our year ended December 31, 2023.

Name	Fees Earned or Paid in	Stock Awards	Total
	Cash (\$)	(1) (\$)	
C.E. Rick Strattan	-0-	33,000	33,000
Markus W. Sieger	-0-	66,375	66,375
F. Patrick Ostronic	-0-	41,250	41,250
William S. Shanahan	-0-	40,125	40,125
Dr. Randall M. Toig	-0-	35,625	35,625
William Conkling(2)	-0-	13,333	13,333
Dr. Vivien Wong(2)	-0-	3,333	3,333
Shawn Cross(2)			

- (1) The stock award figures represent the value of the stock awards at grant date as calculated under FASBASC Topic 718. See Note 15 to our audited financial statements for the year ended December 31, 2023 for the assumptions we made in the valuation of these stock awards.
- (2) Mr. Conkling, Dr. Wong, and Mr. Cross joined the Board in July 2023, August 2023 and December 2023, respectively.

In June 2020, the Board of Directors has approved a compensation program for non-employee directors under which each such director is entitled to receive (i) an initial option to purchase 6,700 shares of Common Stock, (ii) an annual option to purchase 3,350 shares of Common Stock, and (iii) and the following annual cash compensation for all directors, which, at the option of each director, may be paid with stock in lieu of cash:

	Member	Chair
Board of Directors	\$ 40,000	\$ 70,000
Audit Committee	\$ 7,500	\$ 15,000
Compensation Committee	\$ 5,500	\$ 11,000
Nominating and Governance Committee	\$ 4,000	\$ 8,000

**Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.**

The following table sets forth certain information with respect to the beneficial ownership of Cyclo's common stock as of March 1, 2024, based on 28,608,054 shares of common stock outstanding as of such date, by:

- each person, or group of affiliated persons, known to beneficially own more than 5% of Cyclo's common stock;
- each of Cyclo's named executive officers;
- each of Cyclo's directors and director nominees; and
- all of Cyclo's executive officers and directors as a group.

Information with respect to beneficial ownership has been furnished by each director, officer, or beneficial owner of more than 5% of Cyclo's common stock. Cyclo has determined beneficial ownership in accordance with the rules of the SEC. These rules generally attribute beneficial ownership of securities to persons who possess sole or shared voting power or investment power with respect to those securities. In addition, the rules include shares of Cyclo's common stock issuable pursuant to the exercise of warrants. These shares are deemed to be outstanding and beneficially owned by the person holding those warrants for the purpose of computing the percentage ownership of that person, but they are not treated as outstanding for the purpose of computing the percentage ownership of any other person. Unless otherwise indicated, the persons or entities identified in this table have sole voting and investment power with respect to all shares shown as beneficially owned by them, subject to applicable community property laws.

Name and Address of Individual or Identity of Group(1)	Amount and Nature of Beneficial Ownership	Percent of Class
<b>Named Executive Officers and Directors</b>		
N. Scott Fine	1,203,087 (2)(3)	4.14%
C.E. Rick Strattan	541,682 (2)(3)	1.89%
Jeffrey L. Tate	172,619 (2)(3)	*
Markus Sieger	435,167 (2)(3)	1.51%
F. Patrick Ostronic	422,537 (2)(3)	1.47%
William S. Shannahan	170,582 (2)(3)	*
Dr. Randall M. Toig	127,224 (2)(3)	*
William Conkling	15,819,352 (2)(3)(4)	44.71%
Vivien Wong	15,518 (2)(3)	*
Shawn Cross	161,507 (2)(3)	*
Joshua M. Fine	66,270 (2)(3)	*
Michael Lisjak	60,042 (2)(3)	*
All Directors and Executive Officers as a Group (12 Persons)	19,195,587 (2)(3)(4)	64.63%
<b>5% Holders</b>		
Rafael Holdings, Inc. 520 Broad Street Newark N.J. 07102	15,796,407 (4)	38.70%
Armistice Capital Master Fund Ltd. c/o Armistice Capital, LLC 510 Madison Avenue, 7th Floor New York, NY 10022	1,501,625 (5)	4.99%

\* Less than one percent.

(1) Unless otherwise indicated, the business address of each officer and director of Cyclo is c/o Cyclo Therapeutics, Inc., 6714 NW 16th Street, Suite B, Gainesville, Florida 32653.

(2) Includes for the persons listed below the following shares of Cyclo common stock subject to options held by such persons that are currently exercisable or become exercisable within 60 days of March 1, 2024:

Name	Shares of Common Stock Underlying Options
N. Scott Fine	114,633
C.E. Rick Strattan	9,255
Jeffrey L. Tate	47,642
Markus Sieger	9,255
F. Patrick Ostronic	9,255
William S. Shannahan	9,255
Dr. Randall M. Toig	9,255
William Conkling	6,700
Vivien Wong	6,700
Shawn Cross	88,901
Joshua M. Fine	47,642
Michael Lisjak	47,642
All Directors and Executive Officers as a Group (12 Persons)	406,135

(3) Includes for the persons listed below the following shares of Cyclo common stock subject to warrants held by such persons that are currently exercisable:

Name	Shares of Common Stock Underlying Warrants
N. Scott Fine	344,650
C.E. Rick Strattan	59,881
Jeffrey L. Tate	32,935
Markus Sieger	115,233
F. Patrick Ostronic	75,254
William S. Shannahan	43,396
Dr. Randall M. Toig	13,078
William Conkling	0
Vivien Wong	0
Shawn Cross	0
Joshua M. Fine	1,728
Michael Lisjak	0
All Directors and Executive Officers as a Group (12 Persons)	686,155

(4) As reported by Rafael in Amendment No. 2 to its Schedule 13D filed with the SEC on October 24, 2023. As the Chief Executive Officer of Rafael, Mr. Conkling may be deemed to have voting and dispositive power over the shares Cyclo common stock owned by Rafael and may be deemed to own such shares of Cyclo common stock. Mr. Conkling disclaims beneficial ownership of the securities held by Rafael. Includes currently exercisable warrants to purchase 6,766,467 shares of Cyclo common stock

(5) As reported by Armistice Capital Master Fund Ltd. ("Armistice") in Amendment No. 2 to its Schedule 13G filed with the SEC on February 14, 2024. These shares held by Armistice are subject to a 4.99% blocker provision.

### Equity Compensation Plan of Information

The following table summarizes the number of outstanding options and rights granted to our employees, consultants, and directors, as well as the number of shares of Common Stock remaining available for future issuance, under our equity compensation plans as of December 31, 2023:

Plan Category	Number of Securities to be issued upon exercise of outstanding options, warrants and rights (a) (#)	Weighted average exercise price of outstanding options, warrants and rights (b) (\$)	Number of securities remaining available for issuance under equity compensation plans (excluding securities reflected in column (a)) (c) (#)
Equity compensation plans not approved by security holders (1)	17,682	\$ 26.86	0
Equity compensation plans approved by security holders (2)	790,945	3.16	1,811,063
<b>Total:</b>	<b>808,627</b>		<b>1,811,063</b>

- (1) Consists of (i) seven-year warrants to purchase 4,800 Units at an exercise price of \$25.00, each Unit consisting of one share of Common Stock and one warrant for one additional share of Common Stock at an exercise price of \$25.00 per share, issued to Scarsdale Equities and its affiliates for services provided in connection with our June 2016 private placement, (ii) seven-year warrants to purchase 1,641 Units at an exercise price of \$35.00, each Unit consisting of one share of Common Stock and one warrant for one additional share of Common Stock at an exercise price of \$35.00 per share, issued to Scarsdale Equities and its affiliates for services provided in connection with our February 2017 private placement, and (iii) seven-year warrants to purchase 600 Units at an exercise price of \$100, each Unit consisting 4 shares of Common Stock and one warrant for one additional 4 shares of Common Stock at an exercise price of \$25.00 per share, issued to Scarsdale Equities and its affiliates for services provided in connection with our October 2017 private placement.
- (2) The Company's 2021 Equity Incentive Plan (the "Incentive Plan") provides for the issuance of up to 3,000,000 shares of Common Stock pursuant to the grant of shares of Common Stock, stock options or other awards, to employees, officers, or directors of, and consultants to, the Company and its subsidiaries. As of December 31, 2023, we had awarded 396,837 shares of Common Stock, and granted options to purchase 720,945 shares of Common Stock, as awards under the Incentive Plan, with 1,811,063 shares of Common Stock remaining available for future awards under the Incentive Plan.

#### Item 13. Certain Relationships and Related Transactions, and Director Independence.

Since October 2016, we have paid a monthly fee of \$5,000 to a non-profit organization of which C.E. Rick Strattan is the Executive Director, in consideration of consulting services provided to us by Mr. Strattan. Mr. Strattan is our founder, former Chief Executive Officer and one of our directors.

In June 2019, we engaged Joshua M. Fine, the son of our Chief Executive Officer, to serve as our Chief Financial Officer. Mr. Fine's compensation as our Chief Financial Officer for the last two fiscal years is described under the heading "Executive Compensation."

Kevin J. Strattan, the son of C.E. Rick Strattan, has been employed by us since 2008, and since 2014 has been our Vice President, Finance – Compensation. His annual salary was \$184,625 and \$184,625 in 2023 and 2022, respectively. In addition, he received cash bonuses of \$16,823 and \$57,750 in 2023 and 2022, respectively. In 2023 and 2022 Mr. Strattan was also awarded stock options with a value of \$23,140 and \$16,833, respectively, that vest over 4 years.

Corey E. Strattan, the daughter-in-law of C.E. Rick Strattan, has been employed by us since 2011 as a documentation specialist and logistics coordinator, at an annual salary of \$92,700 in 2023. In addition, she received a cash bonus of \$4,172 in 2023. In 2022, Ms. Strattan received an annual salary of \$92,700 and a cash bonus of \$14,850.

## **Related-Person Transactions Policy And Procedures**

We have a written Related-Person Transactions Policy that sets forth the Company's policies and procedures regarding the identification, review, consideration and approval or ratification of "related-persons transactions." For purposes of our policy only, a "related-person transaction" is a transaction, arrangement, or relationship (or any series of similar transactions, arrangements or relationships) in which the Company and any "related person" are participants involving an amount that exceeds \$25,000. Transactions involving compensation for services provided to the Company as an employee, director, consultant, or similar capacity by a related person are not covered by this policy. A related person is any executive officer, director, or more than 5% stockholder of the Company, including any of their immediate family members, and any entity owned or controlled by such persons.

Under the policy, where a transaction has been identified as a related-person transaction, management must present information regarding the proposed related-person transaction to the Audit Committee (or, where Audit Committee approval would be inappropriate, to another independent body of the Board) for consideration and approval or ratification. The presentation must include a description of, among other things, the material facts, the interests, direct and indirect, of the related persons, the benefits to the Company of the transaction and whether any alternative transactions were available. To identify related-person transactions in advance, the Company relies on information supplied by its executive officers and directors. In considering related-person transactions, the Committee takes into account the relevant available facts and circumstances including, but not limited to (a) the risks, costs and benefits to the Company, (b) the impact on a director's independence in the event the related person is a director, immediate family member of a director or an entity with which a director is affiliated, (c) the terms of the transaction, (d) the availability of other sources for comparable services or products, and (e) the terms available to or from, as the case may be, unrelated third parties or to or from employees generally. In the event a director has an interest in the proposed transaction, the director must recuse himself or herself from the deliberations and approval. The policy requires that, in determining whether to approve, ratify or reject a related-person transaction, the Committee look at, in light of known circumstances, whether the transaction is in, or is not inconsistent with, the best interests of the Company and its stockholders, as the Committee determines in the good faith exercise of its discretion.

## **Director Independence**

Our Board of Directors currently consists of ten directors, seven of whom are independent" as defined under the rules of the Nasdaq Capital Market because they are not employees or executive officers of the Company, and have not been paid more than \$120,000 of compensation by the Company in any consecutive 12-month period during the past three years. N. Scott Fine, our Chief Executive Officer, and Dr. Jeffrey L. Tate, our Chief Operating Officer, are not independent directors due to their employment by us as executive officers, Rick Strattan is the founder, former Chief Executive Officer, is not independent due to a consulting agreement with the Company.

## **Item 14. Principal Accountant Fees and Services.**

Information required this Item will be included in our Proxy Statement relating to our 2024 Annual Meeting of Shareholders and is incorporated herein by reference.

## PART IV

## Item 15. Exhibits, Financial Statement Schedules.

Exhibits	
2.1	<a href="#">Agreement and Plan of Merger, dated November 4, 2020, by and between Cyclo Therapeutics, Inc., a Florida corporation, and Cyclo Therapeutics, Inc., a Nevada corporation (incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on November 10, 2020).</a>
2.2	<a href="#">Agreement and Plan of Merger, dated September 21, 2023, by and among Cyclo Therapeutics, Inc., Cameo Merger Sub Inc., and Applied Molecular Transport Inc. (incorporated by reference to Exhibit 2.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on September 21, 2023).</a>
3.1	<a href="#">Articles of Incorporation of Cyclo Therapeutics, Inc., a Nevada corporation, as amended*</a>
3.2	<a href="#">Bylaws of Cyclo Therapeutics, Inc., a Nevada corporation (incorporated by reference to Exhibit 3.2 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on November 10, 2020).</a>
4.1	<a href="#">Form of Series A-1 Warrant issued to Armistice Capital Master Fund Ltd. (incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on January 3, 2023).</a>
4.2	<a href="#">Form of Series A-2 Warrant issued to Armistice Capital Master Fund Ltd. (incorporated by reference to Exhibit 4.2 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on January 3, 2023).</a>
4.3	<a href="#">Warrant issued to Rafael Holdings, Inc., dated August 1, 2023 (incorporated by reference to Exhibit 4.1 in the Company's Current Report on Form 8-K filed with the SEC on August 1, 2023).</a>
4.4	<a href="#">Form of Warrant, dated May 31, 2019, issued by CTD Holdings, Inc. to investors and ThinkEquity, a division of Fordham Financial Management, Inc., and its designees (incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K filed June 4, 2019).</a>
4.5	<a href="#">Form of Warrant, dated August 27, 2020, issued by Cyclo Therapeutics, Inc. to investors in a private placement conducted in August 2020 (incorporated by reference to Exhibit 4.1 to the Company's Current Report on Form 8-K filed September 2, 2020).</a>
4.6	<a href="#">Form of Public Warrant (incorporated by reference to Exhibit 4.5 to Company's Registration Statement on S-1 filed November 16, 2020).</a>
4.7	<a href="#">Form of Warrant Agency Agreement between the Company and vStock Transfer LLC (incorporated by reference to Exhibit 4.6 to Company's Registration Statement on S-1 filed November 16, 2020).</a>
4.8	<a href="#">Form of Representative's Warrant. (incorporated by reference to Exhibit 4.7 to Company's Registration Statement on S-1 filed November 16, 2020).</a>
4.9	<a href="#">Form of Pre-Funded Warrant issued January 3, 2023 to Armistice Capital Master Fund Ltd. (incorporated by reference to Exhibit 4.3 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on January 3, 2023).</a>
4.10	<a href="#">Form of Placement Agent Warrant issued January 3, 2023 (incorporated by reference to Exhibit 4.4 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on January 3, 2023).</a>
4.11	<a href="#">Description of Registrant's Securities*</a>
10.1†	<a href="#">2019 Omnibus Equity Incentive Plan (incorporated by reference to Appendix B to the Company's Proxy Statement on Schedule 14A filed July 19, 2019).</a>
10.2†	<a href="#">2021 Equity Incentive Plan (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed June 24, 2021).</a>
10.3†	<a href="#">Employment Agreement between the Company and N. Scott Fine, dated as of February 28, 2022 (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed March 2, 2022).</a>

10.4†	<a href="#">Employment Agreement between the Company and Michael Lisjak, dated as of February 28, 2022 (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed March 2, 2022).</a>
10.5†	<a href="#">Employment Agreement between the Company and Joshua Fine, dated as of February 28, 2022 (incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed March 2, 2022).</a>
10.6†	<a href="#">Employment Agreement between the Company and Jeffrey Tate, dated as of February 28, 2022 (incorporated by reference to Exhibit 10.4 to the Company's Current Report on Form 8-K filed March 2, 2022).</a>
10.7	<a href="#">Securities Purchase Agreement dated December 29, 2022 between the Company and Armistice Capital Master Fund Ltd. (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on January 3, 2023)</a>
10.8	<a href="#">Securities Purchase Agreement, dated as of June 1, 2023 between Cyclo Therapeutics, Inc. and Rafael Holdings, Inc. (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the SEC on June 5, 2023)</a>
10.9	<a href="#">Securities Purchase Agreement, dated as of May 2, 2023 between Cyclo Therapeutics, Inc. and Rafael Holdings, Inc. (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the SEC on May 4, 2023).</a>
10.10	<a href="#">Securities Purchase Agreement, dated as of June 1, 2023 between Cyclo Therapeutics, Inc. and Rafael Holdings, Inc., (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on June 5, 2023).</a>
10.11	<a href="#">Registration Rights Agreement, dated as of May 2, 2023 between Cyclo Therapeutics, Inc. and Rafael Holdings, Inc., (incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on May 4, 2023).</a>
10.12	<a href="#">Amendment to Registration Rights Agreement dated as of June 1, 2023, contained in Section 5(e) of the June 2023 Subscription Agreement (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on June 5, 2023).</a>
10.13	<a href="#">Form of Voting Agreement (incorporated by reference to Exhibit 10.1 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on September 21, 2023).</a>
21.1	<a href="#">Subsidiaries*</a>
23.1	<a href="#">Consent of WithumSmith+Brown, PC*</a>
31.1	<a href="#">Rule 13a-14(a)/15d-14a(a) Certification of Principal Executive Officer*</a>
31.2	<a href="#">Rule 13a-14(a)/15d-14a(a) Certification of Principal Financial Officer*</a>
32.1	<a href="#">Section 1350 Certification of Principal Executive Officer *</a>
32.2	<a href="#">Section 1350 Certification of Principal Financial Officer *</a>
97.1	<a href="#">Cyclo Therapeutics Inc. Clawback Policy*</a>
101.INS***	Inline XBRL Instance Document
101.SCH***	Inline XBRL Taxonomy Extension Schema Document
101.CAL***	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF***	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB***	Inline XBRL Taxonomy Extension Label Linkbase Document
101.PRE***	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (embedded within the Inline XBRL and contained in Exhibit 101)

\* Filed herewith.

† Management contract or compensatory plan or arrangement

**SIGNATURES**

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Registrant caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**CYCLO THERAPEUTICS, INC.**

By: /s/ N. Scott Fine  
N. SCOTT FINE  
Chief Executive Officer  
(Principal Executive Officer)  
Date: March 17, 2024

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

<b>Signature</b>	<b>Title</b>	
By: <u>/s/ N. Scott Fine</u> N. Scott Fine	Chief Executive Officer; Director (Principal Executive Officer)	March 17, 2024
By: <u>/s/ Joshua M. Fine</u> Joshua M. Fine	Chief Financial Officer (Principal Financial and Accounting Officer)	March 17, 2024
By: <u>/s/ Jeffrey L. Tate</u> Jeffrey L. Tate	Chief Operating Officer; Director	March 17, 2024
By: <u>/s/ Markus W. Sieger</u> Markus W. Sieger	Chairman of the Board; Director	March 17, 2024
By: <u>/s/ William Conkling</u> William Conkling	Director	March 17, 2024
By: <u>/s/ Shawn Cross</u> Shawn Cross	Director	March 17, 2024
By: <u>/s/ F. Patrick Ostronic</u> F. Patrick Ostronic	Director	March 17, 2024
By: <u>/s/ William S. Shanahan</u> William S. Shanahan	Director	March 17, 2024
By: <u>/s/ C.E. Rick Strattan</u> C.E. Rick Strattan	Director	March 17, 2024
By: <u>/s/ Randall M Toig</u> Randall M Toig	Director	March 17, 2024
By: <u>/s/ Vivien Wong</u> Vivien Wong	Director	March 17, 2024



**BARBARA K. CEGAVSKE**  
 Secretary of State  
 202 North Carson Street  
 Carson City, Nevada 89701-4201  
 (775) 684-5708  
 Website: [www.nvsos.gov](http://www.nvsos.gov)  
[www.nvsilverflume.gov](http://www.nvsilverflume.gov)

Filed in the Office of <i>Barbara K. Cegavske</i> Secretary of State State Of Nevada	Business Number E10204432020-7 Filing Number 20201020442 Filed On 10/27/2020 8:00:00 AM Number of Pages 4
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ABOVE SPACE IS FOR OFFICE USE ONLY

## Formation - Profit Corporation

NRS 78 - Articles of Incorporation Domestic Corporation     NRS 80 - Foreign Corporation     NRS 89 - Articles of Incorporation Professional Corporation

**78A Formation - Close Corporation**

(Name of Close Corporation MUST appear in the below heading)

Articles of Formation of \_\_\_\_\_ a close corporation (NRS 78A)

TYPE OR PRINT - USE DARK INK ONLY - DO NOT HIGHLIGHT

<p><b>1. Name of Entity:</b> (If foreign, name in home jurisdiction)</p>	Cyclo Therapeutics, Inc.
<p><b>2. Registered Agent for Service of Process:</b> (Check only one box)</p>	<p><input checked="" type="checkbox"/> Commercial Registered Agent (name only below)    <input type="checkbox"/> Noncommercial Registered Agent (name and address below)    <input type="checkbox"/> Office or Position with Entity (title and address below)</p> <p>Corporation Service Company</p> <p>Name of Registered Agent OR Title of Office or Position with Entity</p> <p>112 North Curry Street    Carson City    Nevada 89703</p> <p>Street Address    City    State    Zip Code</p> <p>Mailing Address (if different from Street address)    City    State    Zip Code</p>
<p><b>2a. Certificate of Acceptance of Appointment of Registered Agent:</b></p>	<p><i>I hereby accept appointment as Registered Agent for the above named Entity. If the registered agent is unable to sign the Articles of Incorporation, submit a separate signed Registered Agent Acceptance form.</i></p> <p>X <i>Elizabeth Kitchen</i>    10/26/2020</p> <p>Authorized Signature of Registered Agent or On Behalf of Registered Agent Entity    Date</p>
<p><b>3. Governing Board:</b> (NRS 78A, close corporation only, check one box; if yes, complete article 4 below)</p>	<p>This corporation is a close corporation operating with a board of directors <input type="checkbox"/> Yes <u>OR</u> <input type="checkbox"/> No</p>
<p><b>4. Names and Addresses of the Board of Directors/ Trustees or Stockholders</b></p> <p>(NRS 78: Board of Directors/ Trustees is required. NRS 78a: Required if the Close Corporation is governed by a board of directors. NRS 89: Required to have the Original stockholders and directors. A certificate from the regulatory board must be submitted showing that each individual is licensed at the time of filing. See instructions)</p>	<p>1) <i>N. Scott Fine</i>    USA</p> <p>Name    Country</p> <p>6714 NW 16th Street, Suite B    Gainesville    FL    32653</p> <p>Street Address    City    State    Zip/Postal Code</p> <p>2) <i>Jeffrey L. Tate, Ph.D.</i>    USA</p> <p>Name    Country</p> <p>6714 NW 16th Street, Suite B    Gainesville    FL    32653</p> <p>Street Address    City    State    Zip/Postal Code</p> <p>3) <i>C.E. Rick Strattan</i>    USA</p> <p>Name    Country</p> <p>6714 NW 16th Street, Suite B    Gainesville    FL    32653</p> <p>Street Address    City    State    Zip/Postal Code</p>
<p><b>5. Jurisdiction of Incorporation:</b> (NRS 80 only)</p>	<p>5a. Jurisdiction of incorporation: _____</p> <p>5b. I declare this entity is in good standing in the jurisdiction of its incorporation. <input type="checkbox"/></p>

This form must be accompanied by appropriate fees.

**(Profit) Initial List of Officers, Directors and State Business License Application of Cyclo Therapeutics, Inc.**

**Directors:**

Markus W. Sieger – 6714 NW 16th Street, Suite B, Gainesville, FL 32653

F. Patrick Ostronic – 6714 NW 16th Street, Suite B, Gainesville, FL 32653

William S. Shanahan – 6714 NW 16th Street, Suite B, Gainesville, FL 32653

Dr. Randall M. Toig – 6714 NW 16th Street, Suite B, Gainesville, FL 32653



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## Formation - Profit Corporation

Continued, Page 2

<b>6. Benefit Corporation:</b> <small>(For NRS 78, NRS 78A, and NRS 89, optional. See instructions.)</small>	By selecting "Yes" you are indicating that the corporation is organized as a benefit corporation pursuant to NRS Chapter 78B with a purpose of creating a general or specific public benefit. The purpose for which the benefit corporation is created must be disclosed in the below purpose field.	Yes <input type="checkbox"/>
<b>7. Purpose/Profession to be practiced:</b> <small>(Required for NRS 80, NRS 88 and any entity selecting Benefit Corporation. See instructions.)</small>		
<b>8. Authorized Shares:</b> <small>(Number of shares corporation is authorized to issue)</small>	Number of Authorized shares with Par value: 1,005,000,000 Par value: \$ 0.0001000000 Number of Common shares with Par value: 1,000,000,000 Par value: \$ 0.0001000000 Number of Preferred shares with Par value: 5,000,000 Par value: \$ 0.0001000000 Number of shares with no par value: _____ <small>If more than one class or series of stock is authorized, please attach the information on an additional sheet of paper.</small>	
<b>9. Name and Signature of Officer making the statement or Authorized Signer for NRS 80.</b>  <b>Name, Address and Signature of the Incorporator for NRS 78, 78A, and 89, NRS 89 - Each Organizer/ Incorporator must be a licensed professional.</b>	I declare, to the best of my knowledge under penalty of perjury, that the information contained herein is correct and acknowledge that pursuant to NRS 239.330, it is a category C felony to knowingly offer any false or forged instrument for filing in the Office of the Secretary of State.  <b>N. Scott Fine</b> <span style="float: right;">USA</span> <small>Name Country</small> 6714 NW 16th Street, Suite B <span style="margin-left: 100px;">Gainesville</span> <span style="margin-left: 100px;">FL</span> <span style="margin-left: 100px;">32653</span> <small>Address City State Zip/Postal Code</small> <span style="float: right;"><small>(attach additional page if necessary)</small></span>	

### AN INITIAL LIST OF OFFICERS MUST ACCOMPANY THIS FILING

**Please include any required or optional information in space below:**  
(attach additional page(s) if necessary)

This form must be accompanied by appropriate fees.

Page 2 of 2  
Revised: 10/9/2019

**Blank Check Preferred shares of Cyclo Therapeutics, Inc.**

The Board of Directors of the corporation is hereby granted with the authority, from time to time, to issue the Preferred shares in one or more series, and in connection with the creation of any such series, to fix by resolution or resolutions any of the designations, powers, preferences and rights, and any of the qualifications, limitations or restrictions which are permitted by Chapter 78 of the Nevada Revised Statutes in respect of any class or classes of preferred stock or any series of any class of preferred stock of the corporation.

Blank Preferred

Blank Preferred  
Series A  
No. of shares: 100,000

Blank Preferred



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Filed in the Office of <i>Barbara K. Cegavske</i>	Business Number E10204432020-7
Secretary of State State Of Nevada	Filing Number 20201030907
	Filed On 11/6/2020 8:45:00 AM
	Number of Pages 6

**Articles of Merger**  
 (PURSUANT TO NRS 92A.200)  
 Page 1

USE BLACK INK ONLY - DO NOT HIGHLIGHT

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**Articles of Merger**  
 (Pursuant to NRS Chapter 92A)

1) Name and jurisdiction of organization of each constituent entity (NRS 92A.200):

If there are more than four merging entities, check box and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity from article one.

Cyclo Therapeutics, Inc.	
Name of merging entity	
Florida	corporation
Jurisdiction	Entity type *
Name of merging entity	
	Entity type *
Name of merging entity	
	Entity type *
Name of merging entity	
	Entity type *
and,	
Cyclo Therapeutics, Inc.	
Name of surviving entity	
Nevada	corporation
Jurisdiction	Entity type *

\* Corporation, non-profit corporation, limited partnership, limited-liability company or business trust.

**Filing Fee: \$350.00**

*This form must be accompanied by appropriate fees.*



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**Articles of Merger**  
 (PURSUANT TO NRS 92A.200)  
 Page 2

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2) Forwarding address where copies of process may be sent by the Secretary of State of Nevada (if a foreign entity is the survivor in the merger - NRS 92A.190):

Attn: \_\_\_\_\_  
 c/o: \_\_\_\_\_

3) Choose one:

- The undersigned declares that a plan of merger has been adopted by each constituent entity (NRS 92A.200). **Merger**
- The undersigned declares that a plan of merger has been adopted by the parent domestic entity (NRS 92A.180).

4) Owner's approval (NRS 92A.200) (options a, b or c must be used, as applicable, for each entity):

- If there are more than four merging entities, check box and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity from the appropriate section of article four.

(a) Owner's approval was not required from

\_\_\_\_\_  
 Name of merging entity, if applicable

\_\_\_\_\_  
 Name of merging entity, if applicable

\_\_\_\_\_  
 Name of merging entity, if applicable

\_\_\_\_\_  
 Name of merging entity, if applicable

and, or;

\_\_\_\_\_  
 Name of surviving entity, if applicable

This form must be accompanied by appropriate fees.



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## Articles of Merger

(PURSUANT TO NRS 92A.200)

Page 3

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(b) The plan was approved by the required consent of the owners of \*:

Cyclo Therapeutics, Inc.
Name of <b>merging</b> entity, if applicable
Name of <b>merging</b> entity, if applicable
Name of <b>merging</b> entity, if applicable
Name of <b>merging</b> entity, if applicable
and, or:
Cyclo Therapeutics, Inc.
Name of <b>surviving</b> entity, if applicable

\* Unless otherwise provided in the certificate of trust or governing instrument of a business trust, a merger must be approved by all the trustees and beneficial owners of each business trust that is a constituent entity in the merger.

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 3  
Revised: 1-5-15



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**Articles of Merger**  
 (PURSUANT TO NRS 92A.200)  
**Page 4**

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(c) Approval of plan of merger for Nevada non-profit corporation (NRS 92A.160):

The plan of merger has been approved by the directors of the corporation and by each public officer or other person whose approval of the plan of merger is required by the articles of incorporation of the domestic corporation.

\_\_\_\_\_  
 Name of merging entity, if applicable

\_\_\_\_\_  
 Name of merging entity, if applicable

\_\_\_\_\_  
 Name of merging entity, if applicable

\_\_\_\_\_  
 Name of merging entity, if applicable

and, or;

\_\_\_\_\_  
 Name of surviving entity, if applicable

*This form must be accompanied by appropriate fees.*

Nevada Secretary of State 92A Merger Page 4  
 Revised: 1-5-15



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**Articles of Merger**  
 (PURSUANT TO NRS 92A.200)  
**Page 5**

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5) Amendments, if any, to the articles or certificate of the surviving entity. Provide article numbers, if available. (NRS 92A.200)\*:

6) Location of Plan of Merger (check a or b):

(a) The entire plan of merger is attached;

or,

(b) The entire plan of merger is on file at the registered office of the surviving corporation, limited-liability company or business trust, or at the records office address if a limited partnership, or other place of business of the surviving entity (NRS 92A.200).

7) Effective date and time of filing: (optional) (must not be later than 90 days after the certificate is filed)

Date:  Time:

\* Amended and restated articles may be attached as an exhibit or integrated into the articles of merger. Please entitle them "Restated" or "Amended and Restated," accordingly. The form to accompany restated articles prescribed by the secretary of state must accompany the amended and/or restated articles. Pursuant to NRS 92A.180 (merger of subsidiary into parent - Nevada parent owning 90% or more of subsidiary), the articles of merger may not contain amendments to the constituent documents of the surviving entity except that the name of the surviving entity may be changed.

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 5  
 Revised: 1-5-15



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**Articles of Merger**  
 (PURSUANT TO NRS 92A.200)  
**Page 6**

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8) Signatures - Must be signed by: An officer of each Nevada corporation; All general partners of each Nevada limited partnership; All general partners of each Nevada limited-liability limited partnership; A manager of each Nevada limited-liability company with managers or one member if there are no managers; A trustee of each Nevada business trust (NRS 92A.230)\*

If there are more than four merging entities, check box and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity from article eight.

Cyclo Therapeutics, Inc.  
 Name of merging entity  
 X [Signature] CEO 11/04/2020  
 Signature Title Date

Name of merging entity  
 X \_\_\_\_\_  
 Signature Title Date

Name of merging entity  
 X \_\_\_\_\_  
 Signature Title Date

Name of merging entity  
 X \_\_\_\_\_  
 Signature Title Date

and,

Cyclo Therapeutics, Inc.  
 Name of surviving entity  
 X [Signature] CEO 11/04/2020  
 Signature Title Date

\* The articles of merger must be signed by each foreign constituent entity in the manner provided by the law governing it (NRS 92A.230). Additional signature blocks may be added to this page or as an attachment, as needed.

**IMPORTANT:** Failure to include any of the above information and submit with the proper fees may cause this filing to be rejected.

This form must be accompanied by appropriate fees.

Nevada Secretary of State 92A Merger Page 6  
 Revised: 1-5-15



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Filed in the Office of <i>Barbara K. Cegavske</i>	Business Number E10204432020-7
Secretary of State State Of Nevada	Filing Number 20201091110
	Filed On 12/8/2020 2:00:00 PM
	Number of Pages 1

## Certificate of Change Pursuant to NRS 78.209

TYPE OR PRINT - USE DARK INK ONLY - DO NOT HIGHLIGHT

**INSTRUCTIONS:**

1. Enter the current name as on file with the Nevada Secretary of State and enter the Entity or Nevada Business Identification Number (NVID).
2. Indicate the current number of authorized shares and par value, if any, and each class or series before the change.
3. Indicate the number of authorized shares and par value, if any of each class or series after the change.
4. Indicate the change of the affected class or series of issued, if any, shares after the change in exchange for each issued share of the same class or series.
5. Indicate provisions, if any, regarding fractional shares that are affected by the change.
6. NRS required statement.
7. This section is optional. If an effective date and time is indicated the date must not be more than 90 days after the date on which the certificate is filed.
8. Must be signed by an Officer. Form will be returned if unsigned.

<b>1. Entity Information:</b>	Name of entity as on file with the Nevada Secretary of State: <input style="width: 90%;" type="text" value="Cyclo Therapeutics, Inc."/>		
	Entity or Nevada Business Identification Number (NVID): <input style="width: 80%;" type="text" value="NV20201932210"/>		
<b>2. Current Authorized Shares:</b>	The current number of authorized shares and the par value, if any, of each class or series, if any, of shares before the change: 1,000,000,000 shares of Common Stock, par value \$0.0001 per share; and 5,000,000 shares of Preferred Stock, par value \$0.0001 per share.		
<b>3. Authorized Shares After Change:</b>	The number of authorized shares and the par value, if any, of each class or series, if any, of shares after the change: 100,000,000 Common shares, par value \$0.0001 per share; and 5,000,000 Preferred shares, par value \$0.0001 per share.		
<b>4. Issuance:</b>	The number of shares of each affected class or series, if any, to be issued after the change in exchange for each issued share of the same class or series: To effect a 1-for-100 reverse split of the Common shares only, 1 Common share will be issued for each 100 shares issued prior to the change.		
<b>5. Provisions:</b>	The provisions, if any, for the issuance of fractional shares, or for the payment of money or the issuance of scrip to stockholders otherwise entitled to a fraction of a share and the percentage of outstanding shares affected thereby: No fractional shares will be issued; fractional shares that would have resulted from the split will be rounded up to the next whole number.		
<b>6. Provisions:</b>	The required approval of the stockholders has been obtained.		
<b>7. Effective date and time:</b> (Optional)	Date: <input style="width: 150px;" type="text"/>	Time: <input style="width: 100px;" type="text"/>	(must not be later than 90 days after the certificate is filed)
<b>8. Signature:</b> (Required)	<input checked="" type="checkbox"/>	CEO <input style="width: 100px;" type="text"/>	12/08/2020 <input style="width: 80px;" type="text"/>
	Signature of Officer	Title	Date

This form must be accompanied by appropriate fees.  
 If necessary, additional pages may be attached to this form.



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Filed in the Office of <i>Barbara K. Cegauske</i>	Business Number E10204432020-7
Secretary of State State Of Nevada	Filing Number 20201092635
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	Number of Pages 1

## Certificate of Correction

NRS 78, 78A, 80, 81, 82, 84, 86, 87, 87A, 88, 88A, 89 and 92A

(Only one document may be corrected per certificate.)

TYPE OR PRINT - USE DARK INK ONLY - DO NOT HIGHLIGHT

**INSTRUCTIONS:**

1. Enter the current name as on file with the Nevada Secretary of State and enter the Entity or Nevada Business Identification Number (NVID).
2. Name of document with inaccuracy or defect.
3. Filing date of document with inaccuracy or defect.
4. Brief description of inaccuracy or defect.
5. Correction of inaccuracy or defect.
6. Must be signed by Authorized Signer. Form will be returned if unsigned.

<b>1. Entity Information:</b>	Name of entity as on file with the Nevada Secretary of State: <div style="border: 1px solid black; padding: 2px; width: 90%;">Cyclo Therapeutics, Inc.</div> Entity or Nevada Business Identification Number (NVID): <div style="border: 1px solid black; padding: 2px; width: 80%;">NV20201932210</div>
<b>2. Document:</b>	Name of document with inaccuracy or defect: <div style="border: 1px solid black; padding: 2px; width: 90%;">Certificate of Change Pursuant to NRS 78.209</div>
<b>3. Filing Date:</b>	Filing date of document which correction is being made: <div style="border: 1px solid black; padding: 2px; width: 80%;">December 8, 2020</div>
<b>4. Description:</b>	Description of inaccuracy or defect: Item 3. of the Certificate of Change provided that 100,000,000 shares of Common Stock, par value \$0.0001 per share are authorized after the change.
<b>5. Correction:</b>	Correction of inaccuracy or defect. 10,000,000 shares of Common Stock, par value \$0.0001 are authorized after the change.
<b>6. Signature: (Required)</b>	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <input checked="" type="checkbox"/>               Signature         </div> <div style="text-align: right;"> <div style="border: 1px solid black; padding: 2px; width: 100px;">12/8/2020</div>            Date         </div> </div>

This form must be accompanied by appropriate fees.



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Secretary of State State Of Nevada	Filing Number 20211559195
	Filed On 6/24/2021 9:01:00 AM
	Number of Pages 2

**Profit Corporation:**  
**Certificate of Amendment** (PURSUANT TO NRS 78.360 & 78.385/78.390)  
**Certificate to Accompany Restated Articles or Amended and Restated Articles** (PURSUANT TO NRS 78.403)  
**Officer's Statement** (PURSUANT TO NRS 80.030)

TYPE OR PRINT - USE DARK INK ONLY - DO NOT HIGHLIGHT

<b>1. Entity information:</b>	Name of entity as on file with the Nevada Secretary of State: Cyclo Therapeutics, Inc. Entity or Nevada Business Identification Number (NVID): NV20201932210
<b>2. Restated or Amended and Restated Articles:</b> (Select one) (If amending and restating only, complete section 1, 2, 3, 5 and 6)	<input type="checkbox"/> Certificate to Accompany Restated Articles or Amended and Restated Articles <input type="checkbox"/> Restated Articles - No amendments; articles are restated only and are signed by an officer of the corporation who has been authorized to execute the certificate by resolution of the board of directors adopted on: _____ The certificate correctly sets forth the text of the articles or certificate as amended to the date of the certificate. <input type="checkbox"/> Amended and Restated Articles * Restated or Amended and Restated Articles must be included with this filing type.
<b>3. Type of Amendment Filing Being Completed:</b> (Select only one box) (If amending, complete section 1, 3, 5 and 6.)	<input type="checkbox"/> Certificate of Amendment to Articles of Incorporation (Pursuant to NRS 78.360 - Before Issuance of Stock) The undersigned declare that they constitute at least two-thirds of the following: (Check only one box) <input type="checkbox"/> incorporators <input type="checkbox"/> board of directors The undersigned affirmatively declares that to the date of this certificate, no stock of the corporation has been issued.
	<input checked="" type="checkbox"/> Certificate of Amendment to Articles of Incorporation (Pursuant to NRS 78.385 and 78.390 - After Issuance of Stock) The vote by which the stockholders holding shares in the corporation entitling them to exercise at least a majority of the voting power, or such greater proportion of the voting power as may be required in the case of a vote by classes or series, or as may be required by the provisions of the articles of incorporation* have voted in favor of the amendment is: 52.5%
	<input type="checkbox"/> Officer's Statement (foreign qualified entities only) - Name in home state, if using a modified name in Nevada: _____ Jurisdiction of formation: _____ Changes to takes the following effect: <input type="checkbox"/> The entity name has been amended. <input type="checkbox"/> Dissolution <input type="checkbox"/> The purpose of the entity has been amended. <input type="checkbox"/> Merger <input type="checkbox"/> The authorized shares have been amended. <input type="checkbox"/> Conversion <input type="checkbox"/> Other: (specify changes) _____

\* Officer's Statement must be submitted with either a certified copy of or a certificate evidencing the filing of any document, amendatory or otherwise, relating to the original articles in the place of the corporations creation.

This form must be accompanied by appropriate fees.



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**Profit Corporation:**  
**Certificate of Amendment** (PURSUANT TO NRS 78.380 & 78.385/78.390)  
**Certificate to Accompany Restated Articles or Amended and**  
**Restated Articles** (PURSUANT TO NRS 78.403)  
**Officer's Statement** (PURSUANT TO NRS 80.030)

4. Effective Date and Time: (Optional)      Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 (must not be later than 90 days after the certificate is filed)

5. Information Being Changed: (Domestic corporations only)      Changes to takes the following effect:

- The entity name has been amended.
- The registered agent has been changed. (attach Certificate of Acceptance from new registered agent)
- The purpose of the entity has been amended.
- The authorized shares have been amended.
- The directors, managers or general partners have been amended.
- IRS tax language has been added.
- Articles have been added.
- Articles have been deleted.
- Other.

The articles have been amended as follows. (provide article numbers, if available)  
 Number of authorized Common shares, par value \$0.0001: 20,000,000  
 (attach additional page(s) if necessary)

6. Signature: (Required)      X \_\_\_\_\_ Chief Executive Officer  
 Signature of Officer or Authorized Signer      Title

X \_\_\_\_\_  
 Signature of Officer or Authorized Signer      Title

\*If any proposed amendment would alter or change any preference or any relative or other right given to any class or series of outstanding shares, then the amendment must be approved by the vote, in addition to the affirmative vote otherwise required, of the holders of shares representing a majority of the voting power of each class or series affected by the amendment regardless to limitations or restrictions on the voting power thereof.

Please include any required or optional information in space below:  
 (attach additional page(s) if necessary)



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 (775) 684-5708  
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Filed in the Office of <i>F. H. Aguilera</i>	Business Number E10204432020-7
Secretary of State State Of Nevada	Filing Number 20233011196
	Filed On 3/7/2023 10:18:00 AM
	Number of Pages 2

**Profit Corporation:**  
**Certificate of Amendment** (PURSUANT TO NRS 78.380 & 78.385/78.390)  
**Certificate to Accompany Restated Articles or Amended and**  
**Restated Articles** (PURSUANT TO NRS 78.403)  
**Officer's Statement** (PURSUANT TO NRS 80.030)

TYPE OR PRINT - USE DARK INK ONLY - DO NOT HIGHLIGHT

<b>1. Entity information:</b>	Name of entity as on file with the Nevada Secretary of State: <u>Cyclo Therapeutics, Inc.</u> Entity or Nevada Business Identification Number (NVID): <u>NV20201932210</u>
<b>2. Restated or Amended and Restated Articles:</b> (Select one)  (If <u>amending and restating only</u> , complete section 1, 2, 3, 5 and 6)	Certificate to Accompany Restated Articles or Amended and Restated Articles Restated Articles - No amendments; articles are restated only and are signed by an officer of the corporation who has been authorized to execute the certificate by resolution of the board of directors adopted on: The certificate correctly sets forth the text of the articles or certificate as amended to the date of the certificate. Amended and Restated Articles * Restated or Amended and Restated Articles must be included with this filing type.
<b>3. Type of Amendment Filing Being Completed:</b> (Select only one box)  (If amending, complete section 1, 3, 5 and 6.)	<p><input type="checkbox"/> Certificate of Amendment to Articles of Incorporation (Pursuant to NRS 78.380 - Before Issuance of Stock)          The undersigned declare that they constitute at least two-thirds of the following:          (Check only one box)      incorporators                      board of directors          The undersigned affirmatively declare that to the date of this certificate, no stock of the corporation has been issued</p> <p><input checked="" type="checkbox"/> Certificate of Amendment to Articles of Incorporation (Pursuant to NRS 78.385 and 78.390 - After Issuance of Stock)          The vote by which the stockholders holding shares in the corporation entitling them to exercise at least a majority of the voting power, or such greater proportion of the voting power as may be required in the case of a vote by classes or series, or as may be required by the provisions of the articles of incorporation* have voted in favor of the amendment is: 58%</p> <p>Officer's Statement (foreign qualified entities only) -          Name in home state, if using a modified name in Nevada: _____            Jurisdiction of formation:          Changes to takes the following effect:              The entity name has been amended.                      Dissolution              The purpose of the entity has been amended.              Merger              The authorized shares have been amended.              Conversion              Other: (specify changes)</p> <p>* Officer's Statement must be submitted with either a certified copy of or a certificate evidencing the filing of any document, amendatory or otherwise, relating to the original articles in the place of the corporations creation.</p>

This form must be accompanied by appropriate fees.



BARBARA K. CEGAVSKE  
 Secretary of State  
 202 North Carson Street  
 Carson City, Nevada 89701-4201  
 (775) 684-5708  
 Website: www.nvsos.gov

**Profit Corporation:**  
**Certificate of Amendment** (PURSUANT TO NRS 78.380 & 78.385/78.390)  
**Certificate to Accompany Restated Articles or Amended and**  
**Restated Articles** (PURSUANT TO NRS 78.403)  
**Officer's Statement** (PURSUANT TO NRS 80.030)

<b>4. Effective Date and Time:</b> (Optional)	Date: _____ Time: _____ (must not be later than 90 days after the certificate is filed)
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<b>5. Information Being Changed:</b> (Domestic corporations only)	Changes to takes the following effect: The entity name has been amended. The registered agent has been changed. (attach Certificate of Acceptance from new registered agent) The purpose of the entity has been amended. <input checked="" type="checkbox"/> The authorized shares have been amended. The directors, managers or general partners have been amended. IRS tax language has been added. Articles have been added. Articles have been deleted. Other. The articles have been amended as follows: (provide article numbers, if available) Number of authorized Common shares, par value \$0.0001: 50,000,000 (attach additional page(s) if necessary)
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<b>6. Signature:</b> (Required)	<input checked="" type="checkbox"/> _____ Chief Financial Officer Signature of Officer or Authorized Signer Title  <input checked="" type="checkbox"/> _____ Signature of Officer or Authorized Signer Title *If any proposed amendment would alter or change any preference or any relative or other right given to any class or series of outstanding shares, then the amendment must be approved by the vote, in addition to the affirmative vote otherwise required, of the holders of shares representing a majority of the voting power of each class or series affected by the amendment regardless to limitations or restrictions on the voting power thereof.
---------------------------------	---

**Please include any required or optional information in space below:**  
 (attach additional page(s) if necessary)

This form must be accompanied by appropriate fees.



FRANCISCO V. AGUILAR  
Secretary of State  
401 North Carson Street  
Carson City, Nevada 89701-4201  
(775) 684-5708  
Website: www.nvsos.gov

Filed in the Office of <i>F. Aguilar</i>	Business Number E10204432020-7
Secretary of State State Of Nevada	Filing Number 20233716583
	Filed On 12/26/2023 10:54:00 AM
	Number of Pages 3

**Profit Corporation:**  
**Certificate of Amendment** (PURSUANT TO NRS 78.380 & 78.385/78.390)  
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TYPE OR PRINT - USE DARK INK ONLY - DO NOT HIGHLIGHT

<b>1. Entity information:</b>	Name of entity as on file with the Nevada Secretary of State: <input type="text" value="Cyclo Therapeutics, Inc."/> Entity or Nevada Business Identification Number (NVID): <input type="text" value="NV20201932210"/>
<b>2. Restated or Amended and Restated Articles:</b> (Select one) <small>(If amending and restating only, complete section 1, 2, 3, 5 and 6)</small>	<input type="checkbox"/> Certificate to Accompany Restated Articles or Amended and Restated Articles <input type="checkbox"/> Restated Articles - No amendments; articles are restated only and are signed by an officer of the corporation who has been authorized to execute the certificate by resolution of the board of directors adopted on: <input type="text"/> The certificate correctly sets forth the text of the articles or certificate as amended to the date of the certificate. <input type="checkbox"/> Amended and Restated Articles * Restated or Amended and Restated Articles must be included with this filing type.
<b>3. Type of Amendment Filing Being Completed:</b> (Select only one box) <small>(If amending, complete section 1, 3, 5 and 6.)</small>	<input type="checkbox"/> Certificate of Amendment to Articles of Incorporation (Pursuant to NRS 78.380 - Before Issuance of Stock) The undersigned declare that they constitute at least two-thirds of the following: (Check only one box) <input type="checkbox"/> incorporators <input type="checkbox"/> board of directors The undersigned affirmatively declare that to the date of this certificate, no stock of the corporation has been issued  <input checked="" type="checkbox"/> Certificate of Amendment to Articles of Incorporation (Pursuant to NRS 78.385 and 78.390 - After Issuance of Stock) The vote by which the stockholders holding shares in the corporation entitling them to exercise at least a majority of the voting power, or such greater proportion of the voting power as may be required in the case of a vote by classes or series, or as may be required by the provisions of the articles of incorporation* have voted in favor of the amendment is: <input type="text" value="68.96%"/> Or <input type="checkbox"/> No action by stockholders is required, name change only.  <input type="checkbox"/> Officer's Statement (foreign qualified entities only) - Name in home state, if using a modified name in Nevada: <input type="text"/> Jurisdiction of formation: <input type="text"/> Changes to takes the following effect: <input type="checkbox"/> The entity name has been amended. <input type="checkbox"/> Dissolution <input type="checkbox"/> The purpose of the entity has been amended. <input type="checkbox"/> Merger <input type="checkbox"/> The authorized shares have been amended. <input type="checkbox"/> Conversion <input type="checkbox"/> Other: (specify changes) <input type="text"/>

\* Officer's Statement must be submitted with either a certified copy of or a certificate evidencing the filing of any document, amendatory or otherwise, relating to the original articles in the place of the corporations creation.




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**Officer's Statement** (PURSUANT TO NRS 80.030)

<b>4. Effective Date and Time:</b> (Optional)	Date: <input type="text"/> Time: <input type="text"/> (must not be later than 90 days after the certificate is filed)
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<b>5. Information Being Changed:</b> (Domestic corporations only)	Changes to takes the following effect: <input type="checkbox"/> The entity name has been amended. <input type="checkbox"/> The registered agent has been changed. (attach Certificate of Acceptance from new registered agent) <input type="checkbox"/> The purpose of the entity has been amended. <input checked="" type="checkbox"/> The authorized shares have been amended. <input type="checkbox"/> The directors, managers or general partners have been amended. <input type="checkbox"/> IRS tax language has been added. <input type="checkbox"/> Articles have been added. <input type="checkbox"/> Articles have been deleted. <input type="checkbox"/> Other. The articles have been amended as follows: (provide article numbers, if available)  See Exhibit A  (attach additional page(s) if necessary)
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<b>6. Signature:</b> Required)	X  _____ <b>Chief Executive Officer</b> Signature of Officer or Authorized Signer Title  X _____ Signature of Officer or Authorized Signer Title  *If any proposed amendment would alter or change any preference or any relative or other right given to any class or series of outstanding shares, then the amendment must be approved by the vote, in addition to the affirmative vote otherwise required, of the holders of shares representing a majority of the voting power of each class or series affected by the amendment regardless to limitations or restrictions on the voting power thereof.
--------------------------------	--

**Please include any required or optional information in space below:**  
 (attach additional page(s) if necessary)

Article 8 is hereby amended as follows:

The authorized capital stock of the Corporation shall be as follows:

- (a) Two Hundred Fifty Million (250,000,000) shares of common stock, par value of \$0.0001 per share; and
- (b) Five Million (5,000,000) shares of preferred stock, par value of \$0.0001 per share.

The Board of Directors of the Corporation is hereby granted with the authority, from time to time, to issue the preferred stock in one or more classes or series, and in creation with such class or series, to fix by resolution or resolutions any of the designations, powers, preferences, rights and any of the qualifications, limitations or restrictions which are permitted by Chapter 78 of the Nevada Revised Statutes in respect of any class or classes of preferred stock or any series of any class of preferred stock of the Corporation.

**CYCLO THERAPEUTICS, INC.**  
**DESCRIPTION OF SECURITIES REGISTERED UNDER SECTION 12 OF THE EXCHANGE ACT**

The following is a brief description of the securities of Cyclo Therapeutics, Inc., a Nevada corporation ("Cyclo," "we," or "the Company") which are registered pursuant to Section 12 of the Securities Exchange Act of 1934, as amended, which are (i) shares of the Company's common stock ("common stock") and warrants ("Warrants") to purchase common stock as of December 31, 2023. The brief description is based upon our Articles of Incorporation (as amended, our "Articles of Incorporation"), our Bylaws (our "Bylaws"), and provisions of applicable Nevada law. This summary does not purport to be complete and is subject to, and qualified in its entirety by, the full text of our Articles of Incorporation and Bylaws, each of which is filed as an exhibit to our Annual Report on Form 10-K for our fiscal year ended December 31, 2023 ("Annual Report").

***General***

Our Articles of Incorporation authorizes us to issue up to 250,000,000 shares of common stock, par value \$0.0001 per share ("common stock"), and 5,000,000 shares of preferred stock, par value \$0.0001 per share. No shares of our authorized preferred stock have been issued or are currently outstanding. Pursuant to our Articles of Incorporation, our Board of Directors generally has the authority to designate, from time to time and without stockholder approval, preferred stock in one or more class or series, and to prescribe with respect to each such class or series the voting powers, if any, designations, preferences, and relative, participating, optional, or other special rights, and the qualifications, limitations, or restrictions relating to such class or series.

***Common Stock***

***Dividend Rights***

Subject to preferences that may apply to shares of preferred stock outstanding at the time, the holders of outstanding shares of our common stock are entitled to receive dividends out of funds legally available at the times and in the amounts that our board of directors may determine.

***Voting Rights***

Each holder of our common stock is entitled to one vote for each share of our common stock held on all matters submitted to a vote of stockholders. Unless a different proportion is required by the Articles of Incorporation, the Bylaws, or the Nevada Corporations Act, on all matters other than the election of directors, the affirmative vote of a majority of the voting power of the shares present or represented by proxy at the meeting and entitled to vote on the subject matter shall be the act of the stockholders. Directors are elected by a plurality of the votes cast by the shares entitled to vote in the election at a meeting at which a quorum is present. Cumulative voting for the election of directors is not provided for in our Articles of Incorporation.

***No Preemptive or Similar Rights***

Holders of our common stock do not have preemptive rights, and our common stock is not convertible or redeemable.

***Consideration for Shares***

The common stock authorized by the Articles of Incorporation may be issued from time to time for such consideration as is determined by our board of director.

***Miscellaneous***

All outstanding shares of our common stock are fully paid and nonassessable.

***Right to Receive Liquidation Distributions***

Upon our dissolution, liquidation or winding-up, the assets legally available for distribution to our stockholders are distributable ratably among the holders of our common stock, subject to the preferential rights and payment of liquidation preferences, if any, on any outstanding shares of preferred stock.

## *Exchange Listing*

Our common stock is listed on The NADAQ Capital Market under the symbol "CYTH."

## **Warrants**

As of December 31, 2023, we had outstanding publicly-traded Warrants to purchase an aggregate of 2,303,000 shares of our common stock ("Warrants") at an exercise price of \$5.00 per share. The Warrants were issued on December 11, 2020 in connection with our underwritten public offering and are exercisable at any time up for a period of five years following the date of issuance, expiring on or prior to 5:00 pm EST on December 11, 2025.

The exercise price per whole share of common stock purchasable upon exercise of the Warrants is \$5.00 per share. The exercise price is subject to appropriate adjustment in the event of certain stock dividends and distributions, stock splits, stock combinations, reclassifications or similar events affecting our common stock and also upon any distributions of assets, including cash, stock or other property to our stockholders. The holder of a Warrant will not be deemed a holder of our underlying common stock until the Warrant is exercised. No fractional shares will be issued. If a holder would otherwise be entitled to receive a fractional share, the Company will pay cash equal to the product of the fraction multiplied by the exercise price in lieu of issuing a fractional share.

Subject to limited exceptions, a holder of Warrants will not have the right to exercise any portion of its Warrants if the holder, together with its affiliates, would beneficially own in excess of 9.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise. In addition, a holder may elect to not have the right to exercise any portion its Warrants if the holder would beneficially own more than 4.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, except that upon at least 61 days' prior notice from the holder to us, the holder may increase the amount of ownership of outstanding stock after exercising the holder's Warrants up to 9.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise.

In the event of a "Fundamental Transaction" by the Company, such as a merger or consolidation of it with and into another company, the sale or other disposition of all or substantially all of the Company's assets in one or a series of related transactions, a purchase offer, tender offer or exchange offer, or any reclassification, reorganization or recapitalization of the Company's common stock with another person or group whereby such person or group acquires more than 50% of the Company's outstanding common stock, then the Warrant holder will have the right to receive, for each share of common stock issuable upon the exercise of the Warrant, at the option of the holder, the number of shares of common stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration payable as a result of the Fundamental Transaction, that would have been issued or conveyed to the Warrant holder had the holder exercised the Warrant immediately preceding the closing of the Fundamental Transaction. In lieu of receiving such common stock and additional consideration in the Fundamental Transaction, the Warrant holder may elect to have the Company or the successor entity purchase the Warrant holder's Warrant for its fair market value measured by the Black Scholes method

The Company will promptly notify the Warrant holders in writing of any adjustment to the exercise price or to the number of the outstanding warrants, declaration of a dividend or other distribution, a special non-recurring cash dividend on or a redemption of the common stock, the authorization of a rights offering, the approval of the stock holders required for any proposed reclassification of the common stock, a consolidation or merger by the Company, sale of all or substantially all of the assets of the Company, any compulsory share exchange, or the authorization of any voluntary or involuntary dissolution, liquidation, or winding up of the Company

The Warrants are issued in registered form under a Warrant Agent Agreement between VStock Transfer LLC ("Warrant Agent") and the Company. The Warrants were initially be represented only by one or more global warrants deposited with the Warrant Agent, as custodian on behalf of The Depository Trust Company (DTC) and registered in the name of Cede & Co., a nominee of DTC, or as otherwise directed by DTC.

The Warrants contain a contractual provision stating that all questions concerning the construction, validity, enforcement and interpretation of the Warrants are governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflicts of law.

The Warrants are traded on The Nasdaq Capital Market under the symbol "CYTHW."

This summary of the Warrants is not complete, and is qualified in its entirety by, the full text of the Form of Public Warrant Agreement and Form of Warrant Agency Agreement, which are filed as exhibits to our Annual Report on 10-K.

## **Anti-Takeover Effects of Certain Provisions of our Certificate of Incorporation, Bylaws and Nevada Law**

*General.* Certain provisions of our Articles of Incorporation and our Bylaws, and certain provisions of the Nevada Revised Statutes ("NRS") could make our acquisition by a third party, a change in our incumbent management, or a similar change of control more difficult. These provisions, which are summarized below, are likely to reduce our vulnerability to an unsolicited proposal for the restructuring or sale of all or substantially all of our assets or an unsolicited takeover attempt. The summary of the provisions set forth below does not purport to be complete and is qualified in its entirety by reference to our Articles of Incorporation and our Bylaws and the applicable provisions of the NRS.

### *Articles of Incorporation and Bylaws*

Our Articles of Incorporation and Bylaws contain the following anti-takeover provisions that may have an anti-takeover effect of delaying, deferring or preventing a change in control of the Company:

- We have shares of common stock and preferred stock available for issuance without stockholder approval. The existence of unissued and unreserved common stock and preferred stock may enable the Board to issue shares to persons friendly to current management or to issue preferred stock with terms that could render more difficult or discourage a third-party attempt to obtain control of us by means of a merger, tender offer, proxy contest or otherwise, thereby protecting the continuity of our management.
- Special meetings of the stockholders may be called only by the Board or the Chief Executive Officer (or in the absence of a Chief Executive Officer, the President).
- The Board may adopt, alter, amend or repeal our Bylaws without stockholder approval.
- Unless otherwise provided by law, any newly created directorship or any vacancy occurring on the Board for any cause may be filled by the affirmative vote of a majority of the remaining members of the Board, even if such majority is less than a quorum, and any director so elected shall hold office until the expiration of the term of office of the director whom he or she has replaced or until his or her successor is elected and qualified.
- Stockholders must follow advance notice procedures to submit nominations of candidates for election to the Board at an annual or special meeting of our stockholders and must follow advance notice procedures to submit other proposals for business to be brought before an annual meeting of our stockholders.

### **Anti-takeover Effects of Nevada Law**

The Nevada Revised Statutes contain provisions governing the acquisition of a controlling interest in certain Nevada corporations. Nevada's "acquisition of controlling interest" statutes (NRS 78.378 through 78.3793, inclusive) contain provisions governing the acquisition of a controlling interest in certain Nevada corporations. These "control share" laws provide generally that any person that acquires a "controlling interest" in certain Nevada corporations may be denied voting rights, unless a majority of the disinterested stockholders of the corporation elects to restore such voting rights. These laws will apply to us as of a particular date if we were to have 200 or more stockholders of record (at least 100 of whom have addresses in Nevada appearing on our stock ledger at all times during the 90 days immediately preceding that date) and do business in the State of Nevada directly or through an affiliated corporation, unless our articles of incorporation or bylaws in effect on the tenth day after the acquisition of a controlling interest provide otherwise. These laws provide that a person acquires a "controlling interest" whenever a person acquires shares of a subject corporation that, but for the application of these provisions of the NRS, would enable that person to exercise (1) one-fifth or more, but less than one-third, (2) one-third or more, but less than a majority or (3) a majority or more, of all of the voting power of the corporation in the election of directors. Once an acquirer crosses one of these thresholds, shares which it acquired in the transaction taking it over the threshold and within the 90 days immediately preceding the date when the acquiring person acquired or offered to acquire a controlling interest become "control shares" to which the voting restrictions described above apply. In addition, our Articles of Incorporation expressly permit the redemption of "control shares" pursuant to NRS 78.3792. These laws and provisions may have a chilling effect on certain transactions if our Articles of Incorporation or Bylaws are not amended to provide that these provisions generally do not apply to us or to an acquisition of a controlling interest, or if our disinterested stockholders do not confer voting rights in the control shares.

Nevada's "combinations with interested stockholders" statutes (NRS 78.411 through 78.444, inclusive) provide that specified types of business "combinations" between certain Nevada corporations and any person deemed to be an "interested stockholder" of the corporation are prohibited for two years after such person first becomes an "interested stockholder" unless the corporation's board of directors approves the combination (or the transaction by which such person becomes an "interested stockholder") in advance, or unless the combination is approved by the board of directors and sixty percent of the corporation's voting power not beneficially owned by the interested stockholder, its affiliates and associates. Furthermore, in the absence of prior approval certain restrictions may apply even after such two-year period. For purposes of these statutes, an "interested stockholder" is any person who is (1) the beneficial owner, directly or indirectly, of 10% or more of the voting power of the outstanding voting shares of the corporation, or (2) an affiliate or associate of the corporation and at any time within the two previous years was the beneficial owner, directly or indirectly, of 10% or more of the voting power of the then-outstanding shares of the corporation. The definition of the term "combination" is sufficiently broad to cover most significant transactions between a corporation and an "interested stockholder". These laws generally apply to Nevada corporations with 200 or more stockholders of record. Our Articles of Incorporation expressly permit the redemption of control shares pursuant to NRS 78.3792.

In addition, NRS 78.139 also provides that directors may resist a change or potential change in control of the corporation if the board of directors determines that the change or potential change is opposed to or not in the best interest of the corporation upon consideration of any relevant facts, circumstances, contingencies or constituencies pursuant to NRS 78.138(4).

***Transfer Agent and Registrar***

The transfer agent and registrar for our common stock and Warrants is Vstock Transfer, LLC. Its mailing address is 18 Lafayette Place, Woodmere, NY 11598 and its telephone number is (212) 828-8436.

## SUBSIDIARIES OF CYCLO THERAPEUTICS, INC.

The following are the subsidiaries of Cyclo Therapeutics, Inc.:

Name	Ownership	State of Incorporation
Cyclodextrin Technologies Development, Inc.	100.00%	Florida
Cameo Merger Sub, Inc.	100.00%	Delaware

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We hereby consent to the incorporation by reference in the Registration Statements on Form S-1/A (Registration No. 333-269437), Form S-4 (Registration No. 333-275371) and Form S-3 (Registration No. 333-254496) of Cyclo Therapeutics, Inc. ("the Company") of our report dated March 17, 2024, which includes an explanatory paragraph relating to the Company's ability to continue as a going concern, relating to the consolidated financial statements of the Cyclo Therapeutics, Inc. and Subsidiaries as of and for the years ended December 31, 2023 and 2022, which appear in this Form 10-K.

/s/ WithumSmith+Brown, PC

East Brunswick, New Jersey  
March 17, 2024

**CERTIFICATION PURSUANT TO RULE 13a-14(a)/15d-14(a)**  
**OF THE SECURITIES EXCHANGE ACT OF 1934**

I, N. Scott Fine, certify that:

1. I have reviewed this Annual Report on Form 10-K of Cyclo Therapeutics, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 17, 2024

By: /s/ N. Scott Fine  
N. Scott Fine  
Chief Executive Officer

**CERTIFICATION PURSUANT TO RULE 13a-14(a)/15d-14(a)**  
**OF THE SECURITIES EXCHANGE ACT OF 1934**

I, Joshua M. Fine, certify that:

1. I have reviewed this Annual Report on Form 10-K of Cyclo Therapeutics, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a. Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b. Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c. Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d. Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a. All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b. Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 17, 2024

By: /s/ Joshua M. Fine  
Joshua M. Fine  
Chief Financial Officer

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with this Annual Report on Form 10-K of Cyclo Therapeutics, Inc. (the "Company") for the fiscal year ended December 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, N. Scott Fine, certify, pursuant to 18 U.S.C. §1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: March 17, 2024

*/s/ N. Scott Fine*

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N. Scott Fine  
Chief Executive Officer

**CERTIFICATION PURSUANT TO  
18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with this Annual Report on Form 10-K of Cyclo Therapeutics, Inc. (the "Company") for the fiscal year ended December 31, 2023, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), I, Joshua M. Fine, certify, pursuant to 18 U.S.C. §1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

- (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: March 17, 2024

*/s/ Joshua M. Fine*

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Joshua M. Fine  
Chief Financial Officer



**CYCLO THERAPEUTICS, INC.  
CLAWBACK POLICY**

This Cyclo Therapeutics, Inc. Clawback Policy (this "**Policy**") was approved effective as of November 28, 2023 (the "**Effective Date**") by the Compensation Committee (the "**Committee**") of the Board of Directors (the "**Board**") of Cyclo Therapeutics, Inc. (the "**Company**"). This Policy is adopted pursuant to and intended to comply with Rule 5608 (Recovery of Erroneously Awarded Compensation) of The Nasdaq Stock Market LLC ("**Nasdaq**") so long as the Company's securities are listed on Nasdaq.

**Purpose and Policy Statement**

The Company is committed to conducting business with integrity in accordance with high ethical standards and in compliance with all applicable laws, rules, and regulations. This includes the Company's commitment to comply with all laws, rules, and regulations applicable to the presentation of the Company's financial information to the public and to the recovery of erroneously awarded incentive-based compensation.

As a result, the Committee has adopted this Policy to provide that, in the event the Company is required to prepare an accounting restatement due to the material noncompliance of the Company with any financial reporting requirement under the securities laws, including any required accounting restatement to correct an error in previously issued financial statements that is material to the previously issued financial statements, or that would result in a material misstatement if the error were corrected in the current period or left uncorrected in the current period (each, as applicable, a "**Restatement**"), the Company will recover reasonably promptly the amount of any "erroneously awarded compensation" "received" by an "executive officer;" in each case as such terms are defined in this Policy, if and to the extent required by any federal or state law, rule or regulation, or rule, regulation, policy or listing standard of the Securities and Exchange Commission ("**SEC**") or any securities exchange on which the Company's securities are listed, including without limitation, Nasdaq Rule 5608 (Recovery of Erroneously Awarded Compensation).

In the event of any change in any federal or state law, rule or regulation, or rule, regulation, policy or listing standard of the SEC or any securities exchange on which the Company's securities are listed after the Effective Date, which requires the Company to recover compensation from an executive officer, the Company will seek recovery under this Policy to the extent required by such laws, rules, regulations or listing standards.

## **Administration**

The Committee has full power, authority, and sole and exclusive discretion to reasonably construe, interpret, and administer this Policy. The Committee will interpret this Policy consistent with Nasdaq Rule 5608 (Recovery of Erroneously Awarded Compensation) and any guidance issued thereunder, the rules and regulations of the SEC, and any other applicable laws, rules or regulations governing the mandatory recovery of compensation, as such laws, rules or regulations may change, be interpreted, or evolve from time to time. All determinations and decisions made by the Committee will be made in its reasonable discretion and will be final, conclusive, and binding on all affected individuals.

The term "**Committee**" as used in this Policy means the Compensation Committee of the Board, or in the absence of such a committee, a majority of the "independent directors" (as defined under Nasdaq Rule 5605(a)(2)) serving on the Board.

## **Applicability**

This Policy applies to all "incentive-based compensation" "received" by a person, in each case as such terms are defined in this Policy:

- After beginning service as an "executive officer," as such term is defined in this Policy, and who served as an executive officer at any time during the performance period for that incentive-based compensation;
- While the Company has a class of securities listed on Nasdaq or another national securities exchange or a national securities association; and
- During the three completed fiscal years immediately preceding the date that the Company is required to prepare the Restatement, plus any transition period (that results from a change in the Company's fiscal year) within or immediately following those three completed fiscal years; provided, however, that a transition period between the last day of the Company's previous fiscal year-end and the first day of its new fiscal year that comprises a period of nine to 12 months would be deemed a completed fiscal year; and provided, further, that the Company's obligation to recover erroneously awarded compensation is not dependent on if or when the restated financial statements are filed.

For purposes of determining the relevant recovery period, the date that the Company is required to prepare a Restatement is the earlier to occur of (i) the date the Company's Board, a committee of the Board, or the officer or officers of the Company authorized to take such action if Board action is not required, concludes, or reasonably should have concluded, that the Company is required to prepare a Restatement; or (ii) the date a court, regulator or other legally authorized body directs the Company to prepare a Restatement.

## **Executive Officers Covered by Policy**

This Policy covers the Company's current and former executive officers who received erroneously awarded compensation regardless of whether the executive officer committed misconduct or contributed to the error.

The term "**executive officer**" as used in this Policy means the Company's:

- president;
- principal financial officer;
- principal accounting officer (or if there is no such accounting officer, the controller);
- any vice-president of the Company in charge of a principal business unit, division, or function (such as sales, administration or finance);
- any other officer who performs a policy-making function; or
- any other person who performs similar policy-making functions for the Company and executive officers of the Company's parents or subsidiaries if such individuals perform such policy-making functions for the Company.

Policy-making function is not intended to include policy-making functions that are not significant.

Identification of an executive officer for purposes of this Policy would include at a minimum executive officers identified by the Company pursuant to Item 401(b) of SEC Regulation S-K.

#### **Authority and Obligation to Recover Erroneously Awarded Compensation; Exceptions**

In the event of a Restatement, the Company must reasonably promptly recover any "erroneously awarded compensation," as such term is defined in this Policy, in compliance with this Policy, except to the extent one of the three conditions below is met and the Committee has made a determination that recovery would be impracticable.

1. The direct expense paid to a third party to assist in enforcing this Policy would exceed the amount to be recovered and the Company has made a reasonable attempt to recover any amount of erroneously awarded compensation, has documented such reasonable attempt(s) to recover and provided that documentation to Nasdaq.
2. Recovery would violate home country law where that law was adopted prior to November 28, 2022, and the Company has obtained an opinion of home country counsel, acceptable to Nasdaq, that recovery would result in such a violation and has provided such opinion to Nasdaq.
3. Recovery would likely cause an otherwise tax-qualified retirement plan, under which benefits are broadly available to employees of the Company, to fail to meet the requirements of Section 401(a)(13) or 411(a) of the U.S. Internal Revenue Code and regulations thereunder.

#### **Erroneously Awarded Compensation**

The term "**erroneously awarded compensation**" as used in this Policy means that amount of "incentive-based compensation" received that exceeds the amount of "incentive-based compensation" that otherwise would have been received had it been determined based on the restated amounts, and must be computed without regard to any taxes paid.

For incentive-based compensation based on stock price or total shareholder return, where the amount of erroneously awarded compensation is not subject to mathematical recalculation directly from the information in a Restatement,

- the amount must be based on a reasonable estimate of the effect of the Restatement on the stock price or total shareholder return upon which the incentive-based compensation was received; and
- the Company must maintain documentation of the determination of that reasonable estimate and provide such documentation to Nasdaq.

The term "**incentive-based compensation**" as used in this Policy means any compensation that is granted, earned, or vested based wholly or in part upon the attainment of a financial reporting measure.

The term "**financial reporting measures**" as used in this Policy means measures that are determined and presented in accordance with the accounting principles used in preparing the Company's financial statements and any measures that are derived wholly or in part from such measures. Financial reporting measures include, without limitation, stock price and total shareholder return, and may include non-GAAP financial measures. A financial reporting measure need not be presented within the Company's financial statements or included in an SEC filing to constitute a financial reporting measure for this purpose.

Incentive-based compensation is deemed "**received**" as such term is used in this Policy by an executive officer in the Company's fiscal period during which the financial reporting measure specified in the incentive-based compensation award is attained, even if the payment or grant of the incentive-based compensation occurs after the end of that period.

Notwithstanding the generality of the foregoing, "incentive-based compensation" is intended to be interpreted and construed broadly and includes with respect to any plan that takes into account incentive-based compensation (other than a tax-qualified plan) any amount contributed to a notional account based on erroneously awarded compensation and any earnings accrued to date on that notional account. Such plans include without limitation long-term disability plans, life insurance plans, supplemental executive retirement plans, and other compensation, if it is based on incentive-based compensation.

For clarity and the avoidance of doubt, "incentive-based compensation" does not include the following:

- base salary (other than any base salary increase earned wholly or in part based on the attainment of a financial reporting measure, which increase is subject to recovery as incentive-based compensation hereunder);
- bonuses paid solely at the discretion of the Committee or Board that are not paid from a "bonus pool" that is determined by satisfying a financial reporting measure performance goal;
- bonuses paid solely upon satisfying one or more subjective standards (e.g. demonstrated leadership) and/or completion of a specified employment period;

- non-equity incentive plan awards earned solely upon satisfying one or more strategic measures (e.g., consummating a merger or divestiture), or operational measures (e.g., completion of a project); and
- equity awards for which the grant is not contingent upon achieving any financial reporting measure performance goal, and vesting is contingent solely upon completion of a specified employment period and/or attaining one or more non-financial reporting measures.

#### **Method of Recovery**

The Committee will determine, in its reasonable discretion, the method for recovering incentive-based compensation hereunder, which may include, without limitation, any one or more of the following:

- requiring reimbursement of cash incentive-based compensation previously paid;
- seeking recovery of any gain realized on the vesting, exercise, settlement, sale, transfer, or other disposition of any equity-based awards;
- cancelling or rescinding some or all outstanding vested or unvested equity-based awards;
- adjusting or withholding from unpaid compensation, deferred compensation, or other set-off;
- cancelling or setting-off against planned future grants of equity-based awards; and/or
- any other method required or authorized by applicable law or contract.

#### **Enforceability**

In addition to the adoption of this Policy, the Company will take steps to implement an agreement to this Policy by all current and future executive officers. In furtherance of the foregoing, each executive officer subject to this Policy is required to sign and return to the Company the Acknowledgement Form attached hereto as Exhibit A pursuant to which such executive officer will agree to be bound by the terms and comply with this Policy.

#### **Policy Not Exclusive**

Any recovery under this Policy is in addition to, and not in lieu of, any other remedies or rights of recovery that may be available to the Company pursuant to the terms of any other clawback or recovery policy or any similar policy in any employment agreement, incentive or equity compensation plan or award or other agreement and any other legal rights or remedies available to the Company.

Notwithstanding the generality of the foregoing, to the extent that the requirements under the provisions of Section 304 of the Sarbanes-Oxley Act of 2002 are broader than the provisions in this Policy, the provisions of such law will apply to the Company's Chief Executive Officer and Chief Financial Officer.

**No Indemnification**

The Company will not indemnify or agree to indemnify any executive officer or former executive officer against the loss of erroneously awarded compensation nor will the Company pay or agree to pay any insurance premium to cover the loss of erroneously awarded compensation.

**Effective Date**

This Policy is effective as of the Effective Date and applies to all incentive-based compensation received by the Company's current and former executive officers on or after the Effective Date.

**Required Disclosures**

The Company will file all disclosures with respect to this Policy in accordance with the requirements of the federal securities laws, including the disclosure required by the applicable SEC filings, and will provide all required SEC and other disclosures regarding this Policy and in the event of a Restatement.

**Amendment and Termination**

The Committee may amend, modify, or terminate this Policy in whole or in part at any time in its sole discretion and may adopt such rules and procedures that it deems necessary or appropriate to implement this Policy or to comply with Nasdaq Rule 5608 (Recovery of Erroneously Awarded Compensation) and any other applicable laws, rules, and regulations.

**Successors**

This Policy shall be binding and enforceable against all current and former executive officers of the Company and their respective beneficiaries, heirs, executors, administrators, or other legal representatives.

\* \* \* \* \*

Adopted by the Compensation Committee  
of the Board of Directors of Cyclo Therapeutics, Inc.  
on November 28, 2023.



**CYCLO THERAPEUTICS, INC.  
CLAWBACK POLICY**

**ACKNOWLEDGEMENT FORM**

By signing below, the undersigned acknowledges and confirms that the undersigned has received and reviewed a copy of the Cyclo Therapeutics, Inc. Inc. Clawback Policy (the "**Policy**").

By signing this Acknowledgement Form, the undersigned acknowledges and agrees that the undersigned is and will continue to be subject to the Policy and that the Policy will apply both during and after the undersigned's employment with Cyclo Therapeutics, Inc., and its direct and indirect subsidiaries.

Further, by signing below, the undersigned agrees to abide by the terms of the Policy, including, without limitation, by returning any erroneously awarded compensation (as defined in the Policy) to Cyclo Therapeutics, Inc. and its direct and indirect subsidiaries to the extent required by, and in a manner permitted by, the Policy.

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_