

Deep Commitment to Advancing First-in-Class
New Therapeutic Treatments for Cancer Patients Suffering from Pain and Neuropathy



Forward-Looking Statements and Disclaimers



Forward-Looking Statements

Statements in this presentation contain "forward-looking statements," within the meaning of the U.S. Private Securities Litigation Reform Act of 1995, that are subject to substantial risks and uncertainties. All statements, other than statements of historical fact, contained in this presentation are forward-looking statements. Forward-looking statements contained in this presentation may be identified by the use of words such as "anticipate," "believe," "contemplate," "could," "estimate," "expect," "intend," "seek," "may," "might," "plan," "potential," "predict," "project," "suggest," "target," "aim," "should," "will," "would," or the negative of these words or other similar expressions, although not all forward-looking statements contain these words. Forward-looking statements are based on the current expectations of Dogwood Therapeutics, Inc. ("Dogwood") and are subject to inherent uncertainties, risks and assumptions that are difficult to predict, including risks related to the completion, timing and results of current and future clinical studies relating to Dogwood's product candidates. Further, certain forward-looking statements are based on assumptions as to future events that may not prove to be accurate. These and other risks and uncertainties are described more fully in the section titled "Risk Factors" in the Annual Report on Form 10-K for the year ended December 31, 2024, filed with the Securities and Exchange Commission. Forward-looking statements contained in this presentation are made as of this date, and Dogwood undertakes no duty to update such information except as required under applicable law.

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Dogwood, its directors and certain of its executive officers are deemed to be participants in the solicitation of proxies from Dogwood stockholders in connection with Dogwood's expected special meeting seeking stockholder approval of conversion of Dogwood's preferred stock ("Preferred Stock") and other matters related to the business combination with Wex Pharmaceuticals, Inc. (the "Combination".) Information regarding the names of Dogwood's directors and executive officers and their respective interests in Dogwood by security holdings or otherwise can be found in Dogwood's proxy statement for its 2025 Annual Meeting of Stockholders, filed with the SEC on April 30, 2025. To the extent holdings of Dogwood's securities have changed since the amounts set forth in Dogwood's proxy statement for the 2025 Annual Meeting of Stockholders, such changes have been or will be reflected on Initial Statements of Beneficial Ownership on Form 3 or Statements of Change in Ownership on Form 4 filed with the SEC. These documents are available free of charge at the SEC's website at www.sec.gov. Dogwood intends to file a definitive proxy statement and accompanying proxy card with the SEC in connection with the solicitation of proxies from Dogwood stockholders in connection with Dogwood's expected special meeting seeking stockholder approval of conversion of the Preferred Stock and other matters related to the Combination. Additional information regarding the identity of participants, and their direct or indirect interests, by security holdings or otherwise, will be set forth in Dogwood's proxy statement for such special meeting, including the schedules and appendices thereto. INVESTORS AND STOCKHOLDERS ARE STRONGLY ENCOURAGED TO READ ANY SUCH PROXY STATEMENT AND THE ACCOMPANYING PROXY CARD AND ANY AMENDMENTS AND SUPPLEMENTS THERETO AS WELL AS ANY OTHER DOCUMENTS FILED BY DOGWOOD WITH THE SEC CAREFULLY AND IN THEIR ENTIRETY WHEN THEY BECOME AVAILABLE AS THEY WILL CONTAIN IMPORTANT INFORMATION. Stockholders will be able to obtain copies of the proxy statement, any amendments or supplements to the proxy statement, the accompanying proxy card, and other documents filed by Dogwood with the SEC for no charge at the SEC's website at www.sec.gov. Copies will also be available at no charge at the Investor Relations section of Dogwood's corporate website at https://ir.DWTX.com/ or by contacting Dogwood's Investor Relations at Dogwood Therapeutics, Inc., 44 Milton Avenue, Alpharetta, GA 30009 or by emailing Dogwood's Investor Relations at IR@dwtx.com or by calling (866) 620-8655. This presentation may contain market, industry and other data obtained from third party resources. Dogwood believes the data from such third-party sources is reliable, however it has not independently verified any of such data and cannot guarantee its accuracy or completeness. Similarly, internal research and forecasts, which Dogwood believes to be reliable based upon management's knowledge of the market and the industry, have not been verified by any independent sources. While Dogwood is not aware of any misstatements regarding the market or industry data presented herein, the estimates involve risks and uncertainties and are subject to change based on various factors and evolution over time. Dogwood owns or has rights to use a number of registered and common law trademarks, service marks and/or trade names in connection with our business in the United States and/or in certain foreign jurisdictions. Solely for convenience, the trademarks, service marks, logos and trade names referred to in this presentation may be referred to without the ® and ™ symbols, but such references are not intended to indicate, in any way, that Dogwood will not assert, to the fullest extent under applicable law, its rights or the rights of the applicable licensors to these trademarks, service marks and trade names.

Dogwood is Led by an Executive Team with Extensive Drug Development and Commercialization Experience



DWTX Executive Team

Management's Brand Development & Commercialization Experience Includes:



Greg Duncan Chairman & CEO













R. Michael Gendreau MD, PhD CMO







Angela Walsh CFO



















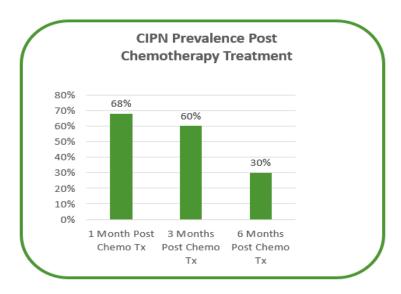
Ralph Grosswald **SVP of Operations**

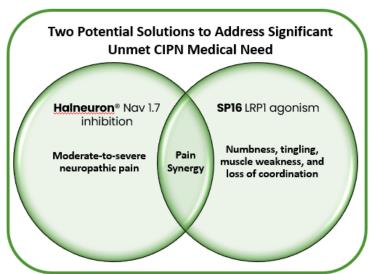




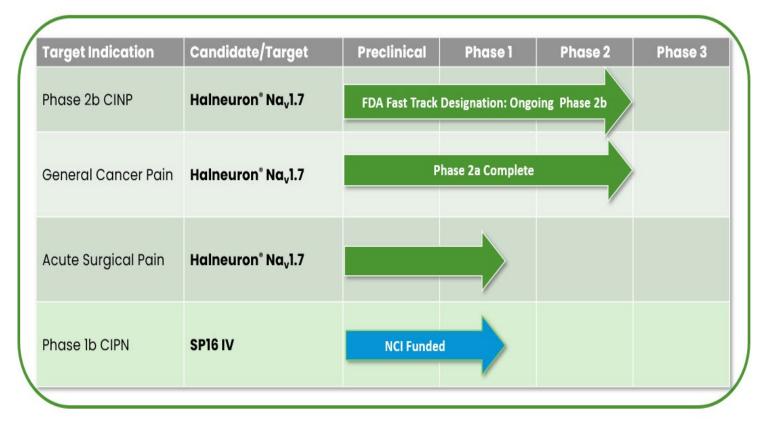
Deep Commitment to Cancer Patients Suffering from Neuropathy, with the Goal to Expand to Reducing General Cancer Pain and Acute Surgical Pain







DWTX Research Pipeline



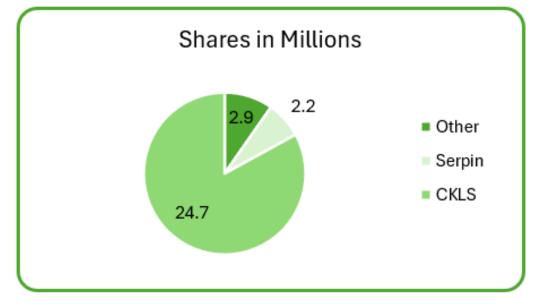
DWTX Ownership on a Fully Diluted Basis, Presuming Positive Shareholder Vote



- Upon conversion of the existing Preferred Stock into common stock following shareholder approval, there will be ~ 30
 million shares of common stock on a fully diluted basis
 - CK Life Sciences Int'l., (Holdings) Inc. ("CKLS") owns ~ 2,108 shares of Series A and ~ 284 shares of Series A-1
 Preferred Stock
 - Serpin Pharma, Inc. ("Serpin Pharma") owns ~ 179 Series A-2 Preferred Stock
 - Each Preferred share converts into 10,000 common shares, subject to approval by DWTX shareholders

• After the conversion, our two largest shareholders, CKLS (~ 83%) and Serpin Pharma (~7%), will own ~ 90% of DWTX

stock





Halneuron[®] Research Program Overview

Halneuron® - Logical Approach that We Believe Fulfills Many Requirements Of An Ideal Analgesic



Halneuron[®] Therapeutic Profile Demonstrated in Clinical Research to-date





Reduced pain in both Cancer Related Pain and CINP clinical trial



Long-lasting relief, with responders exhibiting almost of 2 months of pain relief



No evidence of addiction, euphoria or tolerance



Demonstrated acceptable safety profile from tests in over 700 patients



IP and exclusivity protected via manufacturing know-how and trade secrets



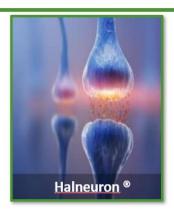
There are no FDA approved CINP medicines, highlighting a large market opportunity

Halneuron's® Na_v1.7
Inhibition Mechanism
Supported by Real World
Patient Experience





Loss of Na_vl.7 Function Leads to Co<u>ngenital</u> Insensitivity to Pain Syndrome



Halneuron® inhibits sodium channels, including Na_v1.7, reducing pain signal transmission



Erythromelalgia: Sodium channels remain open increasing pain signals

CINP Represents a Major Unmet Medical Need



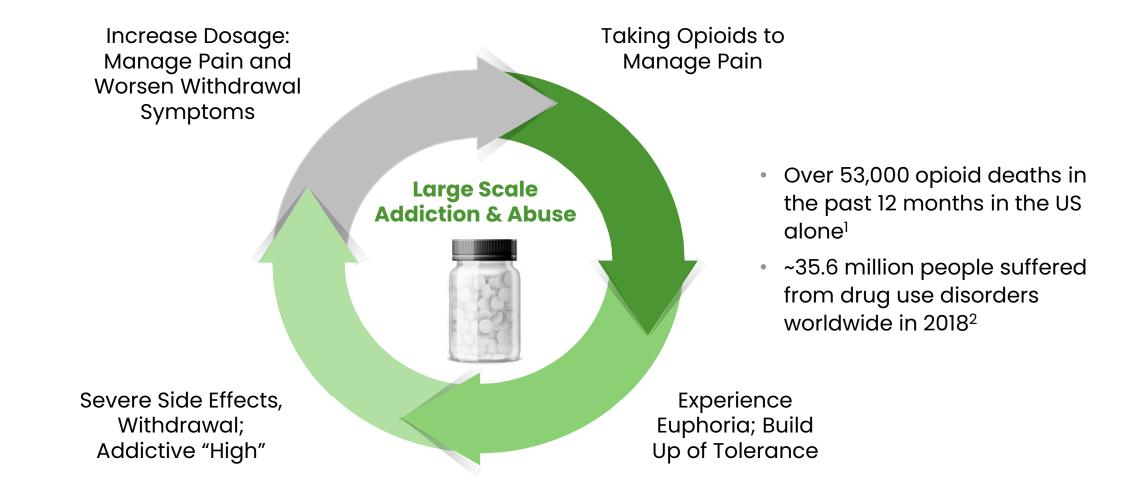
- Approximately 20M new patients were diagnosed with cancer worldwide in 2022
 - ~2M new cancer cases in the US in 2025
 - ~40% of cancer patients live with chronic pain
- Over 50% of cancer patients are treated annually with chemotherapy



- CINP is nerve damage caused by certain chemotherapy drugs, leading to a range of neuropathic symptoms, including pain, numbness, and tingling, often in the hands and feet
 - CINP severity characterized as mild (25%), moderate (50%), or severe (25%) across most markets
- Estimates suggest almost 70% of patients treated with chemotherapy experience CINP
 - 30% of chemotherapy treated patients continue to experience CINP six months post treatment
- Chemotherapy utilization is expected to increase by 54% by 2040
- Up to six in ten CINP patients are likely to be treated with opioids in 2025
 - Cancer patients using opioids develop clinically significant adverse effects (e.g. cognitive impairment and hallucinations, as well as constipation or nausea and vomiting)

Vicious Cycle With Opioid Pain Therapies





CDC - https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm WHO - https://www.who.int/news-room/fact-sheets/detail/opioid-overdose

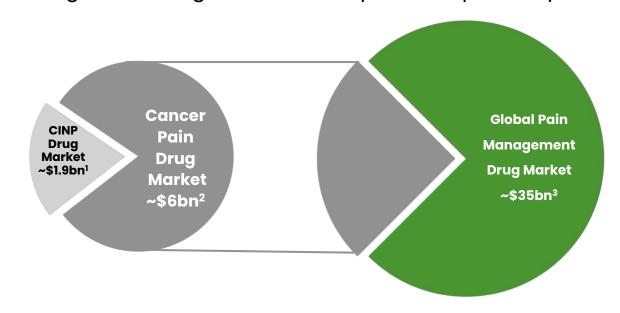
Ability to Effectively Treat CINP Opens a Large Market Opportunity



- Medications like duloxetine, gabapentin, pregabalin, or tricyclic antidepressants and opioids are used to help manage neuropathic pain
 - Opioids account for 38%-58% of CINP treatment, depending on the market
- Halneuron® CRP and acute surgical pain life-cycle plan target represents an even larger opportunity than CINP population

Pain Management Drug Markets

~57% and ~45% of the Global Cancer Pain and Global Pain Management drug markets are opioids respectively ^{2,3}



Sources

- l. Delveinsight December 2018, Chemotherapy-Induced Peripheral Neuropathy, Market insights, Epidemiology and Market Forecast 2018-2027
- 2. Allied Market Research December 2018, Global Cancer Pain Market, Opportunity Analysis and Industry Forecast 2018-2025
- 3. LP Information December 2019, Global Pain Management Drugs Market growth 2019 -2024
- 4. Windbank, Annals pf Neurol, Naurol, 2017
- 5. Cancer facts & Figures 2021, CA: A Cancer Journal for Clinicians

Our Approach - What is Halneuron®?

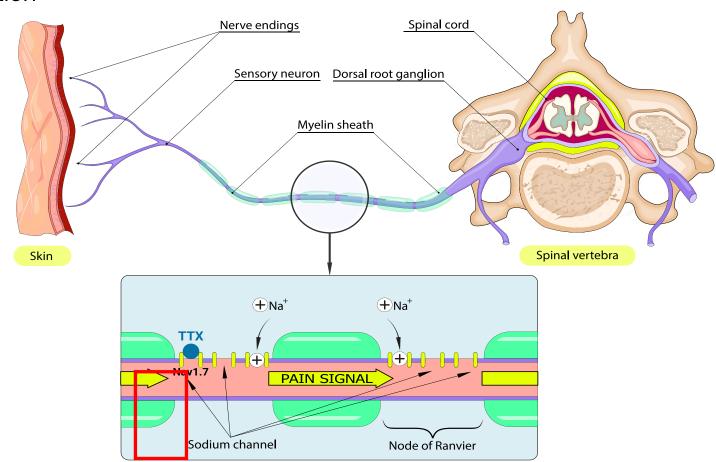


- Halneuron® is Tetrodotoxin (TTX), a sodium channel blocker and potent small molecule found in puffer fish and several other marine animals (not a peptide or protein)
- Halneuron® is administered as a sub-Q injection

How Does Halneuron® Work?

Pain signals are nerve impulses that travel along a nerve as electrical signals generated by the movement of sodium ions through ion channels on the surface of nerve cells.

Halneuron® works as an analgesic by binding the Na_v1.7, channel, a sodium channel responsible for pain signal transmission and associated with certain neuropathies.



Sodium Channels in Mammals



- > There are 9 primary sodium channels known in mammals
- > The 1.7, 1.8 and 1.9 channels are directly related to pain transmission in the peripheral nervous system
- > Halneuron is specific for the 1.7 channel

Table 1. Mammalian sodium channel α subunits			
	Gene	Chromosomal	
Туре	symbol	location	Primary tissues
Na _v 1.1	SCN1A	Mouse 2 Human 2q24	CNS neurons
Na _v 1.2	SCN2A	Mouse 2 Human 2q23–24	CNS neurons
Na _v 1.3	SCN3A	Mouse 2 Human 2q24	CNS neurons
Na _v 1.4	SCN4A	Mouse 11 Human 17q23–25	SkM
Na _v 1.5	SCN5A	Mouse 9 Human 3p21	Uninnervated SkM, heart
Na _v 1.6	SCN8A	Mouse 15 Human 12q13	CNS neurons
Na _v 1.7	SCN9A	Mouse 2 Human 2q24	PNS neurons
Na _v 1.8	SCN10A	Mouse 9 Human 3p22–24	DRG neurons
Na _v 1.9	SCN11A	Mouse 9 Human 3p21–24	DRG neurons
Na _x	SCN7A	Mouse 2 Human	uterus, astrocytes,
	SCN6A	2q21-23	hypothalamus

Halneuron[®] is Selective for the Na_v1.7 Channel in <u>Peripheral Tissues</u>



Channel	TTX EC ₅₀	Predominant Distribution
Na _v 1.7	EC ₅₀ = 24.5 nM	Peripheral nervous system (PNS)
Na _v 1.8	EC ₅₀ = 60,000 nM	PNS & dorsal root ganglion (DRG)
Na _v 1.9	EC ₅₀ = 40,000 nM	PNS & DRG

- Na_v1.7 through 1.9 are found in the peripheral nervous system (PNS) and are involved in regulating pain signaling
- Halneuron® has low affinity for cardiac sodium channels and does not cross the bloodbrain barrier, minimizing central nervous system adverse events

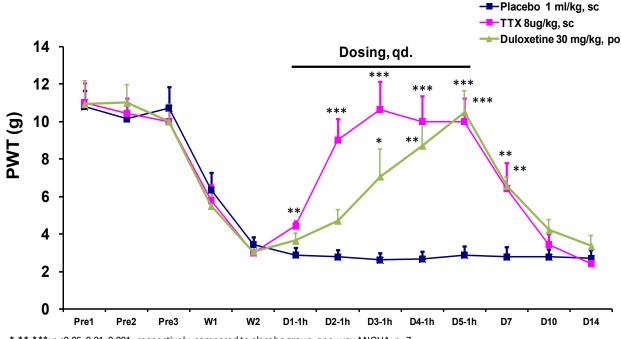
Source: Catterall WA, Goldin AL, Waxman SG. International Union of Pharmacology. XLVII. Nomenclature and structure-function relationships of voltage-gated sodium channels. Pharmacol Rev. 2005 Dec;57(4):397-409J; Channels 2(6): 407-412, 2008. Lee et al.; Osteen et al, Pain Ther, 2025

Preclinical Efficacy of Halneuron® in Rat Oxaliplatin-Induced **Neuropathic Pain Study**



- Adult male Sprague-Dawley rats.
- Oxaliplatin 4 mg/kg, injected intravenously, twice a week, repeated up to 9 times to induce mechanical allodynia.
- Paw withdrawal threshold (PWT) used as an indicator of neuropathy
- The rats showing significant mechanical allodynia
 - PWT ≤ 4g were used as an indicator.
- TTX 8ug/kg or vehicle injected subcutaneously, q.d. for 5 days
- Duloxetine given orally, at 30 mg/kg, q.d.as active control (3,750 X the TTX dose)

Halneuron Effect on PWT in Oxaliplatin Induced Rat Pain Model

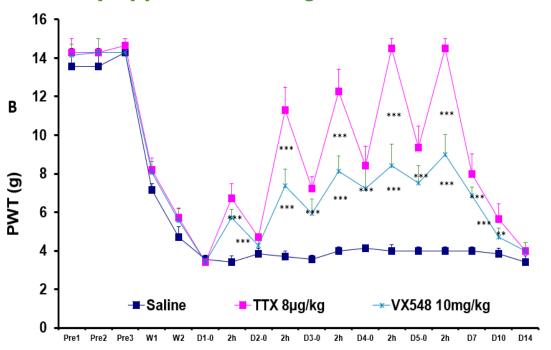


*,**,***: p<0.05, 0.01, 0.001, respectively, compared to place bo group, one-way ANOVA, n=7

Halneuron® Pain Reduction in Preclinical Paw Withdrawal Model Compared to VX548 (TTX 1000 X lower dose)

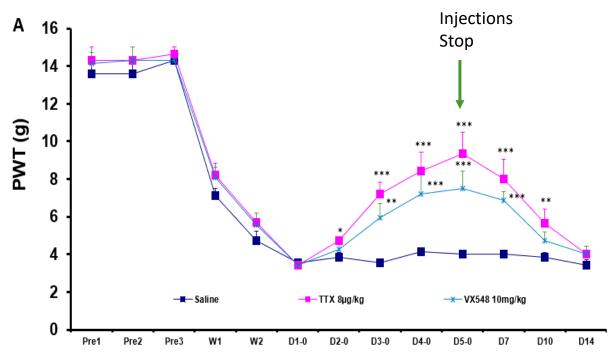


Halneuron® Efficacy Compares Favorably with Recently Approved Suzetrigine at all Tested Doses



*,**,***: p<0.05, 0.01, 0.001, respectively, compared to Saline group, one-way ANOVA, n=7.

Halneuron® Efficacy Builds as Evidenced by Higher Pre-Dose Threshold Prior to Future Doses



*,**,***: p<0.05, 0.01, 0.001, respectively, compared to Saline group, one-way ANOVA, n=7.

Cancer Related Pain (CRP) Phase 2 Study - Halneuron® Demonstrated Statistically Significant Pain Reduction (n=165)



- Randomized, double-blind, placebo-controlled, parallel-design, multicenter trial of moderate to severe inadequately
 controlled pain post cancer therapy, including neuropathic and non-neuropathic pain patients
 - 8 Injections over 4 days long term follow-up every 15 days after primary endpoint

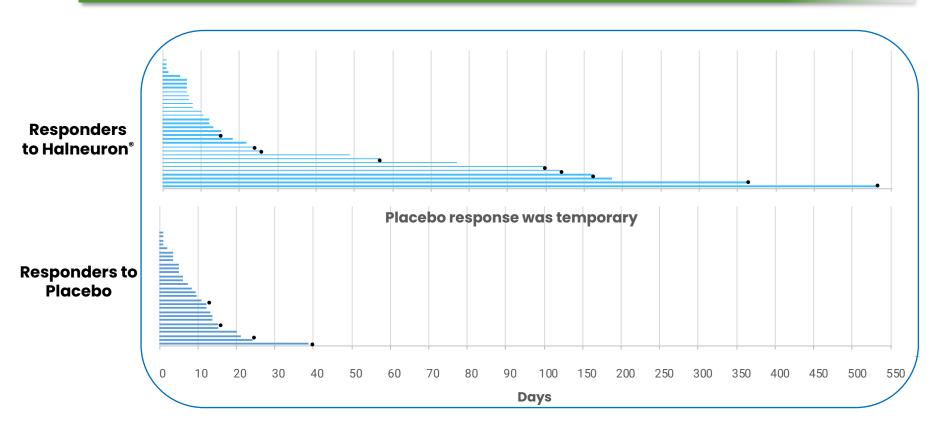
51% of patients on Halneuron® experienced a ≥30% reduction in pain or ≥ 50% reduction in opioid use vs. 35% on Placebo

	TTX ¹		Placebo ²		Difference
Responder ³	33	51%	29	35%	16%
Non-Responder	32	49%	55	65%	
Total	65		84		•
95% C. I.	0.4 - 32.1				
p-value	0.046				

Phase 2 CRP Study: Long Duration of Pain Relief for Initial Responders



Mean Pain Response For Halneuron® Responders Was 57.7 Days Vs 10.5 Days For Placebo Responders



- A "Responder" is defined as a patient who had a mean reduction in pain intensity of ≥30% or a decrease of at least 50% of opioid use at endpoint
- 27% Halneuron®
 responders had pain
 relief for >30 days after 4
 days of treatment

Previous Phase 2a Signal-Seeking Study to Treat CINP



CINP Phase 2a Signal-Seeking Study (n=125)

- Randomized, double-blind, dose-finding, placebo-controlled, multicenter study evaluating efficacy and safety of Halneuron® in CINP patients
 - Tested 7.5 ug, 15 ug and 30 ug sub-Q injections in patients with neuropathic pain
 - Compared 30 ug BID x 4 days to 30 ug QD x 4 days
- Results:
 - 30 ug results superior to lower doses and placebo
 - 30 ug BID vs QD showed comparable efficacy (with half the total amount of drug delivered)
 - 30 ug QD demonstrated a superior adverse event profile to BID dosing
 - Halneuron® showed an acceptable safety profile in CINP patients, similar to that seen in CRP
- Conclusion: 30 ug dosed lx day selected to advance to Phase 2b studies in CINP
 - Determined treatment 'effect size' used to power the Phase 2b study (i.e 0.4 units)

Halneuron® CINP Adverse Event Profile



Most Frequent Adverse Events During Phase 2a CINP Study

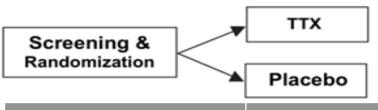
	TTX 30 μg QD	TTX 30 μg BID	Placebo
Adverse Freet	x 4 days	x 4 days	x 4 days
Adverse Event	N=25	N=26	N=25
	N (%)	N (%)	N (%)
Paraesthesia oral (tingling or prickling sensation in oral region)	10 (40.0%)	11 (42.3%)	3 (12.0%)
Hypoaesthesia oral (numbness or	6 (24.0%)	10 (38.5%)	3 (12.0%)
decreased sensation in oral region)			
Headache	1 (4.0%)	9 (34.6%)	5 (20.0%)
Dizziness	3 (12.0%)	8 (30.8%)	5 (20.0%)
Paraesthesia (tingling or prickling	5 (20.0%)	7 (26.9%)	6 (24.0%)
sensation in extremities)			
Nausea	1 (4.0%)	6 (23.1%)	6 (24.0%)
Fatigue	5 (20.0%)	3 (11.5%)	4 (16.0%)
Pain in extremity	4 (16.0%)	3 (11.5%)	2 (8.0%)
Dysgeusia (taste distortion)	2 (8.0%)	3 (11.5%)	0
Back pain	1 (4.0%)	3 (11.5%)	3 (12.0%)
Burning sensation	1 (4.0%)	2 (7.7%)	2 (8.0%)

- Majority of AEs were mild to moderate in severity
- Most common AEs were expected and resolved naturally within a few hours after each injection
- No [clinically significant] impact on laboratory tests, vital signs, or ECGs was noted



Eighty-five Patients Have Been Randomized, 60+ Completed Treatment In The Ongoing Halneuron® (TTX) P2b CINP Study





Baseline	Week 1	Week 2	Week 3	Week 4
Run-in Period Avg. of	8 Halneuron® treatment			Primary Endpoint End
Days -7 to -1	injections spaced over 2 weeks			of Study

Primary Objective of the 4-Week Phase 2b study

To explore the safety and efficacy of Halneuron® in the treatment of patients with moderate-to-severe CINP

Primary Efficacy Endpoint

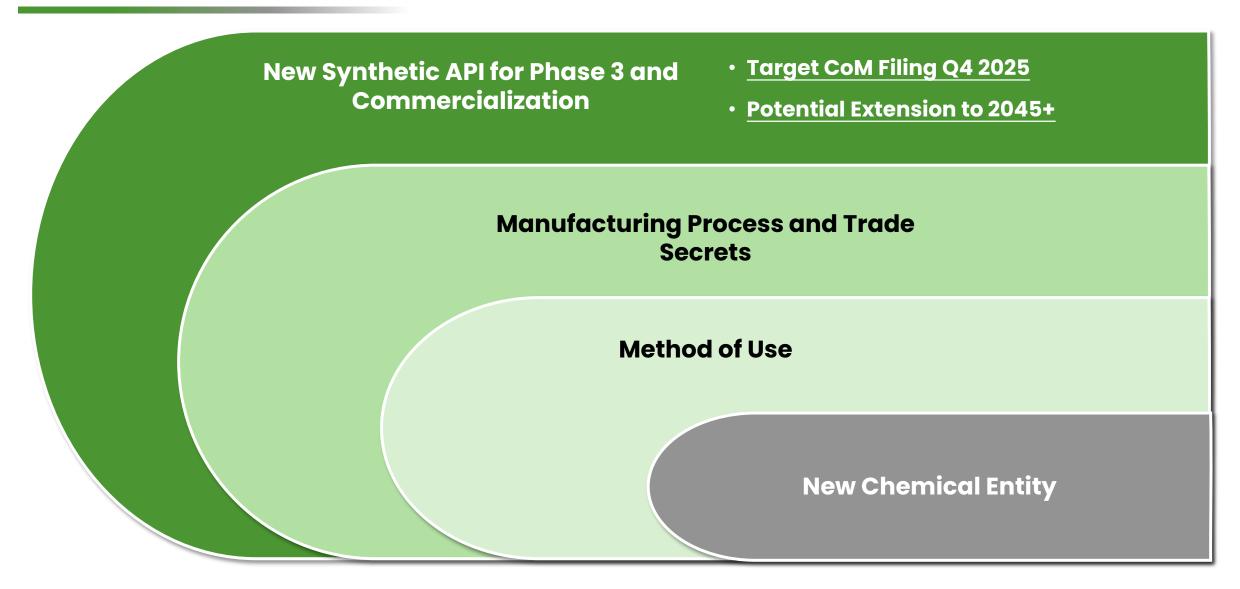
- Change from baseline at Week 4 in the weekly average of daily 24-hour recall pain intensity scores, comparing Halneuron® to placebo
- Based on entries in e-diary implemented on personal smartphone

Secondary Efficacy Endpoints

- Patient Global Impression of Change (PGIC), PROMIS Fatigue, PROMIS Sleep, PROMIS-29, Pain Interference, Hospital Anxiety and Depression Scale (HADS), Neuropathic Pain Symptom Inventory (NPSI)
- Target enrollment of 200 patients, subject to modification post Phase 2b interim analysis (projected in Q4 2025)

Intellectual Property & Drug Manufacturing





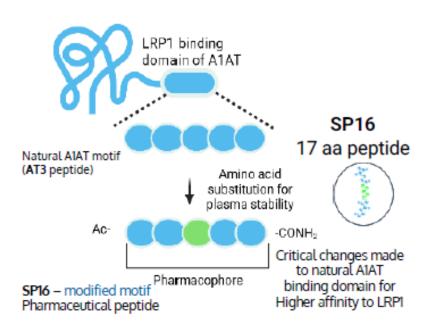


SP16 IV CIPN Program Overview

SP16 Target Background



SP16 is a safe and natural solution to inflammatory disease

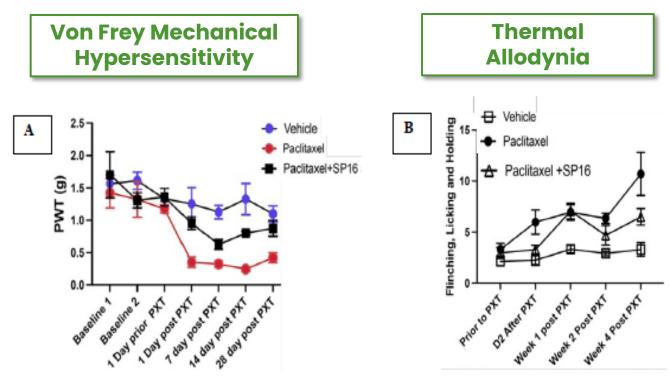


- Alpha I antitrypsin (AIAT) is a member of the serpin (serine protease inhibitor) family that plays a critical role in protecting the body from the damaging effects of powerful enzyme proteases, including neutrophil elastase
 - AlAT acts as an "off switch" or inhibitor for proteases including neutrophil elastase, preventing them from damaging healthy tissue
- Serpin Pharma has discovered the active portion of AIAT responsible for activating LRPI
 - SP16 is a 17 amino acid peptide containing the active portion of A1AT Isolated only the anti-inflammatory portion of A1AT (removed pro-inflammatory sequences) for higher potency (300x)
- SP16 administered via IV formulation with two hypothesized actions:
 - Anti-inflammatory (analgesic) action via reduction of IL-6,
 IL-8, IL-1ß and TNF-alpha
 - Repairs tissue via increases in pAKT and pERK that regulate fundamental processes like growth, proliferation, and survival
- Human PoC is the next stage of SP16 development

Preclinical Research Demonstrates SP16 Analgesic Effects



SP16 Reduced Both Mechanical and Cold Sensitivity in a Murine Model of Paclitaxel Induced Neuropathy



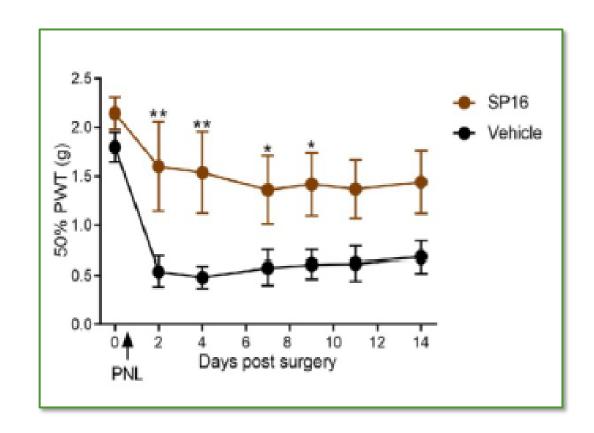
SP16 reduces sensory hypersensitivity in taxane induced model. C57BL/6 mice were administered PXT (4 mg/kg, IP) every other day for 8 days. Mice were treated with SP16 (2mg/kg, SC) or vehicle control at the start of PXT treatment and 3x/week for 3 weeks, dropping to 1x/week at the start of the 4th week. A) mechanical hypersensitivity (von Frey) and B) Cold allodynia (acetone test) was evaluated every week for 4 weeks. n=6 mice

SP16 Inhibits Pain Responses and Inflammation in Peripheral Nerve Injury Model



Systemically administered SP16 treatment could block the development of mechanical hypersensitivity

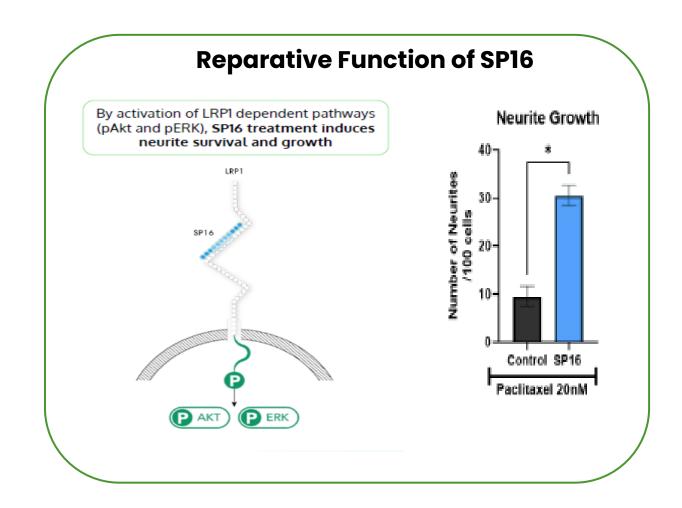
- Tactile allodynia develops after peripheral nerve ligation and are sustained for 14 days
- SP16(2μg/g) delivered daily (S.C.) significantly prevented the development of tactile allodynia for 9 days post-injury (**p<0.01)



SP16 LRP1 Agonism Exhibits Potential to Prevent and/or Repair Nerve Damage Associated Chemotherapy



- In collaboration with Dr. Wendy Campana at the University of California San Diego, SP16 was tested for its regenerative effects on neurons
- Neurotrophic effects of SP16 and associated increase in regenerative genes in neurons [Wang, 2022]
- SP16 was neuroprotective, activating neurite survival and growth, proregenerative genes and proteins, and protective signaling pathways
- SP16 significantly increased neurite growth in the presence of paclitaxel

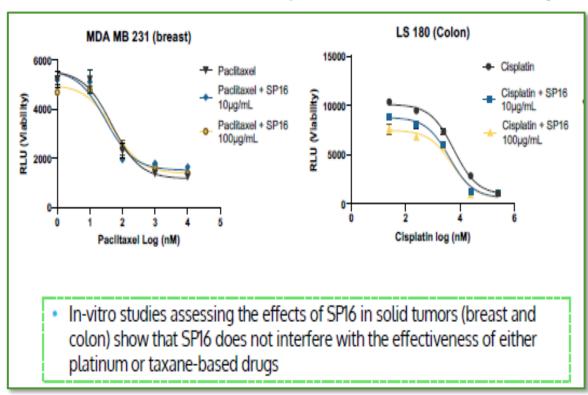


Source: Wang et al., 2021 FASEB J

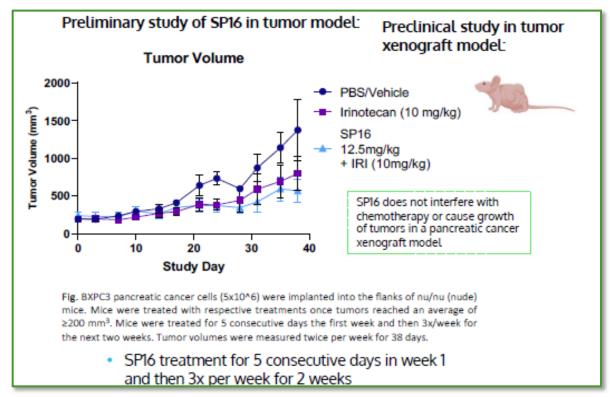
In-vitro Assays in Several Cancer Types Shows SP16 Does Not Appear to Interfere with Common Chemotherapy Regimes



In-vitro assays in breast and colon cancer shows SP16 does not appear to interfere with the effectiveness of either platinum or taxane drugs



In-vitro assays in pancreatic cancer cells shows SP16 does not appear to interfere with the effectiveness of a topoisomerase 1 inhibitor



NCI Funded SP16 Research Plan to be Finalized with FDA and Executed at University of VA

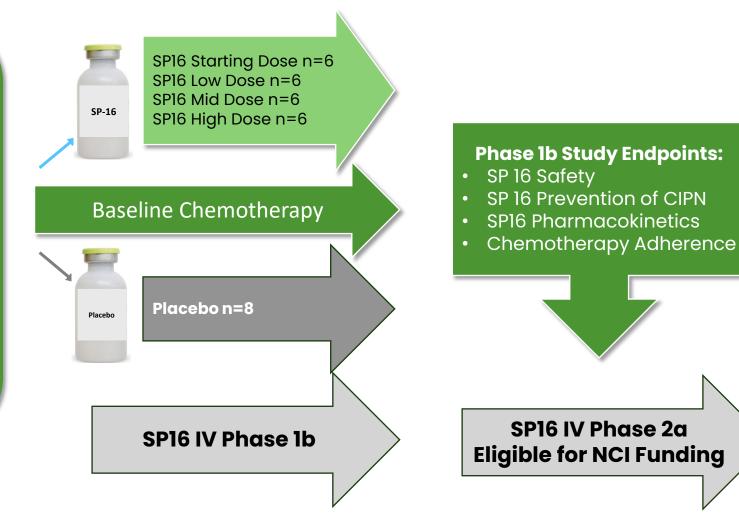


NCI Funded Trial in collaboration with UVA

Patient Population

Up to 32 Metastatic Cancer Patients Experiencing Neuropathy from their Concurrent Chemotherapy





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Corporate Summary



- Halneuron® (TTX) = Nav1.7 channel blocker, analgesic → potentially best for treating established CINP pain
 - Halneuron® is in Phase 2b development for CINP
 - Opportunity to expand
 - Nav1.7 channel blocker should have utility on cancer related pain, as well as post surgical pain
- SP16 = LRP1-agonist, anti-inflammatory, neuroprotection → potentially best for attenuation of CIPN during chemo;
 - SP16 is in early clinical stage development and may enable neuroprotection, may preserve full chemo regimen and potential to synergistically complement Halneuron® in treating pain post chemotherapy
 - SP16 Phase 1b development for CIPN
 - Program is fully funded by NCI through next clinical milestone
- Common commercial call points (oncology and pain Centers) and potential partners
 - Bundled protocols/formularies with major cancer centers/providers
 - Co-promotion targeting infusion suites and pain clinics
 - Together deeper penetration into the global CINP treatment opportunity ~\$1.5B market
 - Ability to expand into larger ~\$5B cancer pain market

DWTX Projected Research Program Milestones and Catalysts



Candidate/Target	Target Indication	Next Key Milestone
Halneuron [®] Na _v 1.7	FDA Fast Track Designation for Treatment of CINP	Q4: Dr. Gendreau to Present Halneuron Program Overview at 19 th Annual Pain Summit, San Diego, CA Oct 14 th Q4: Recruitment of 100 Patients in Phase 2b Q4: New Synthetic Halneuron® IP Filed Q4 '25: Phase 2b Interim Data Readout Q2/Q3 '26: Final data for 200 Patient Phase 2b CINP
SP16 LRP1 agonist Novel New Treatment for CIPN		Q4: Filed SP16 IND to Advance to Phase 1b Safety Study 1H '26: Patient Enrollment in Phase 1b CIPN Study*

^{*}Subject to be review with FDA



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