



NEWS RELEASE

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PLT & Nektium Pharma Announce New Clinical Study on Zynamite® S Demonstrating Enhanced Non-Stim Mental Energy, Faster Information Processing and Improved Cognitive Performance

New Water-Soluble, Taste-Neutral Form of Award-Winning Ingredient is Ideal for Beverages and Taste-Sensitive Formulations

Morristown, NJ 27 February 2025 – PLT Health Solutions, Inc announced the completion of a new clinical study by ingredient innovation partner Nektium Pharma (Gran Canaria) on a water-soluble addition to the award-winning Zynamite® ingredient family. In this study, a single 100 mg or 150 mg dose of Zynamite S showed a broad range of energy and performance benefits, including improved processing speed, improvements in complex task handling, improvements in mental flexibility, and enhanced mood. Both Zynamite and Zynamite S are patented, proprietary mango leaf (*Mangifera indica*) extracts standardized to ≥ 60% mangiferin. As a standalone or in combination with other ingredients, Zynamite has been shown to enhance mental energy and boost cognitive performance. Zynamite S allows formulators to confidently include this clinically studied, award-winning ingredient in beverages and other delivery systems where taste is an issue. PLT is the exclusive marketing partner of the Zynamite family of ingredients in North America and participates with Nektium in developing messaging on research results for US-based consumers.

According to Joe Weiss, Global Head of Brand Management for PLT Health Solutions, Zynamite S is the latest innovation in a family of Zynamite ingredients that can bring an experiential response to beverage, food and supplement products. “Our customers asked us for a water-soluble form of the award-winning ingredient and our partner Nektium Pharma delivered. This ingredient dramatically changes the range of finished products that can include Zynamite, he said. “As a solutions provider, we see value in developing new clinical data on each product grade so our customers could bring innovation to consumers with confidence. Zynamite offers rapid, sustained cognitive support relevant to target groups like students and working professionals. The enhanced cognitive function may help people tackle complex tasks and solve problems. Improved alertness, attention, and focus for up to 5 hours, can help people stay on track during classes, studying, or at work. Zynamite has also been shown to help manage tension and emotional discomfort, providing a sense of calm, even during demanding situations. The rapid, sustained effects can contribute to extended focus and productivity sessions,” he added.

New study shows broad-ranging benefits from a single dose

In the clinical study, 120 healthy university students were given a 100 mg or a 150 mg of Zynamite S or a matching placebo and then assessed three times over a 5-hour period (30 min, 3 hours, 5 hours). The study featured a randomized, double-blind, placebo-controlled crossover design with a 7-day washout between testing conditions.

Key findings from the new study included significant improvements in cognitive performance in the subjects taking Zynamite S, including

- Improved processing speed
- Increased focus and attention
- Better cognitive flexibility and ability to manage complex tests
- Elevated mood, reduced tension and enhanced energy
- Acute effect (just one single dose)
- Long-lasting effect after ingestion (up to 5 hours)

The latest study builds further on a comprehensive scientific body of evidence on Zynamite and confirms its potential to meet the demands of today's fast-paced lifestyles with non-stimulant energy and enhanced mental performance in a single low dose.

According to Dr. Laura Lopez, one of the study's researchers and Head of Product Research, Development & Innovation at Nektium, the study was designed to assess the effects of a low, single dose of Zynamite S on cognitive performance within a short time frame. "The results of this study certainly demonstrate that using Zynamite S is 'experiential.' Cognitive performance and mood improvements were shown over the course of a single morning in subjects undergoing a demanding battery of tests. Dr. Jeremy Appleton, Director of Medical & Scientific Affairs at PLT added, "These results will resonate with consumers who want to experience their benefits quickly. We are excited to have research on this new galenic form that delivers rapid, experiential benefits across many important domains of cognitive performance and mental well-being."

According to Steve Fink, PLT's Vice President of Marketing, the Zynamite S product form meets growing demand for ingredients that can add value to innovative energy, sports, hydration, and multiple benefit drinks. "Zynamite S is designed for use in applications such as RTDs and shots where solubility, neutral taste, heat stability, and transparency in solution are key," he said. "Botanical ingredients are often difficult to formulate, because of taste and solubility issues that can make them challenging for use in beverage formulations. Nektium is at the forefront in optimizing botanicals using smart delivery technology - this technology breakthrough for optimized performance in beverages will have a meaningful impact on the industry," he added.

To learn more about Zynamite S, visit us at Booth 3513 at NATURAL PRODUCTS EXPO WEST contact the company or visit the PLT website at www.plthealth.com/zynamite.

About PLT Health Solutions

Headquartered in Morristown, NJ, USA, PLT Health Solutions is a trusted discoverer, developer, and marketer of high-quality, scientifically supported ingredients that enhance health and functionality. As a leading ingredients innovator, PLT's global network of strategic partnerships provides unique access to impactful solutions. By delivering an unsurpassed mix of expertise, resources, and service, PLT is committed to helping both its strategic partners and valued customers grow.

About Nektium Pharma

Nektium Pharma, headquartered in Gran Canaria, Spain, is a leading developer of scientifically validated botanical extracts and natural ingredients, blending traditional ethnobotanical knowledge with cutting-edge research to create innovative, high-quality products for the health and wellness

| sector. With a strong focus on sustainability and clinical validation, Nektium delivers premium solutions that meet the global demand for natural, effective ingredients. It's flagship products include Zynamite®, Rhodiolife®, Xanthigen®, and Vanizem®.

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