

Kemin Presents New Scientific Data on Nutraceutical Neumentix® and Healthy Neural Tissues in Eyes

Producer of naturally sourced ingredients for dietary supplements shares study results at annual meeting of the Association for Research in Vision and Ophthalmology

DES MOINES, Iowa, U.S. (May 16, 2023) – Kemin Industries, a global ingredient manufacturer that strives to sustainably transform the quality of life every day for 80 percent of the world with its products and services, presented emerging preclinical data at the 2023 annual meeting of the Association for Research in Vision and Ophthalmology (ARVO) in April. The data highlights the potential use of the nootropic Neumentix® for nutritional support of the eyes' neural tissues through a rat model of hypertensive glaucoma.

During the annual meeting, Dr. Rosario Amato, post-doctoral research fellow from the University of Pisa in Italy and Kemin's research partner for the study, shared novel data on the efficacy of oral intake of Neumentix in preserving the activity and viability of retinal ganglion cells, as well as Neumentix's associated mechanisms of action in a rat model of hypertensive glaucoma.

"The research substantiates the role of oxidative stress and inflammation in driving neurodegeneration in retinal ganglion cells, but also demonstrates the potential to counteract these drivers with nutritional strategies," said University of Pisa professor Massimo Dal Monte, the principal investigator of the study.

"Our findings emphasized the intraocular pressure-independent antioxidant and neuroprotective effects of Neumentix," said Dr. Amato.

The study findings validated Neumentix's expanded mechanisms of action that are effective for neural tissues beyond the brain. Results also indicated that Neumentix, Kemin's natural spearmint (*Mentha spicata* L.) extract, sourced from patented plants and characterized by its phenolic complex, works to counteract common degenerative pathways in the eyes and brain.

"It was an honor to share Kemin's latest scientific findings on a nutritional intervention in eye health, specifically in a rat model of hypertensive glaucoma," said Samanta Maci, Senior Commercial and Technical Manager, Kemin Human Nutrition and Health. "The data presented at ARVO sheds light on how oral supplementation with our patented ingredient Neumentix has the ability to protect retinal ganglion cells' viability and function through improving neural trophism, reducing oxidative stress."

Neumentix provides both cognitive and physical performance benefits and can be formulated into a variety of applications. Science shows that Neumentix may serve as nutritional support for neural tissues with its six suggested mechanisms of action relevant for both the eyes and brain.

"The eye and brain are two of a kind," said Maci. "The eye—specifically the retina—is an extension of the brain. They are connected through neurons that transmit information and, together, are key to vision. Both the eye and brain are sensitive to the same types of insults and share common degenerative mechanisms. Our latest data shows that Neumentix is the right ingredient to innovate with when addressing neural health."

Kemin Human Nutrition and Health offers science-backed ingredients to support whole body solutions, including vision, cognition, immune and gut health, beauty from within, sleep and weight management.

[Click here](#) to learn more about Kemin's line of functional ingredients for dietary nutrition products such as supplements, beverages and snack foods.

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About Kemin Industries

Kemin Industries (www.kemin.com) is a global ingredient manufacturer that strives to sustainably transform the quality of life every day for 80 percent of the world with its products and services. The company supplies over 500 specialty ingredients for human and animal health and nutrition, pet food, aquaculture, nutraceutical, food technologies, crop technologies, textile, biofuel and animal vaccine industries.

For over half a century, Kemin has been dedicated to using applied science to address industry challenges and offer product solutions to customers in more than 120 countries. Kemin provides ingredients to feed a growing population with its commitment to the quality, safety and efficacy of food, feed and health-related products.

Established in 1961, Kemin is a privately held, family-owned-and-operated company with more than 3,000

global employees and operations in 90 countries, including manufacturing facilities in Belgium, Brazil, China, Egypt, India, Italy, San Marino, Singapore, South Africa and the United States.

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