



NEWS RELEASE

For Immediate Release:

January 3, 2012

Contacts:

Chase Hagerman; Chemi Nutra

Ph: 866.907.0400

chase@cheminutra.com

Chemi Nutra Files Patent For Phosphatidic Acids's (PA) Ability To Increase Muscle Mass And Strength

White Bear Lake, MN – Signaling by the mechanism known as the mammalian target of rapamycin (mTOR) has been reported to be necessary for mechanical load-induced growth of skeletal muscle (muscular hypertrophy) and consequent strength gain. Several studies indicate that the lipid messenger PA plays a critical role in the mechanical activation of mTOR signaling. Interestingly, it has been shown that an elevation in PA concentration is sufficient for the activation of mTOR signaling.

Following extensive investigation into the role of PA, Chemi Nutra discovered how PA could significantly influence load-induced growth of skeletal muscle via the mTOR pathway. In addition, it was discovered that PA, in fact, exhibited noticeable effects on strength development, especially when adequate amounts of protein, administered within the anabolic window, were provided to exercising individuals.

As a result of these discoveries, the company proudly announces the filing of a novel patent (US Patent Application Number 13/373,649) that will have major implications in sports nutrition, healthy aging, where age related muscle loss (sarcopenia) is now a major concern, and in ill/bedridden (cachectic) individuals. Specifically, the patent describes the oral use of PA, by itself and in combination with typical nutritional ingredients like creatine, to increase muscle mass and strength in mammals.

Scott Hagerman, president of Chemi Nutra said, "PA caught our attention several years ago, and as we commonly do with our R&D and IP capabilities within Chemi, we filed this novel patent and concurrently began development of a finished ingredient product called Mediator[®] 50P Phosphatidic Acid (PA), which we plan to begin marketing in early 2012. We are very, very excited about this new specialty ingredient compound, and we already have a number of interested companies who are quite eager to use it in their new product formulations."

Chemi Nutra is the US business unit of parent company Chemi S.p.A., a privately held pharmaceutical and nutraceutical company based in Milan, Italy. Chemi, with cGMP certified manufacturing facilities in Italy and Brazil, is best known in the US nutritional arena for its introduction of phosphatidylserine (PS), the popular dietary supplement which has been granted two qualified health claims by the FDA, and is used to enhance learning, memory, and concentration, exercise performance, and youthful wellbeing, and to reduce stress.

-- End --

Chemi Nutra

4463 White Bear Parkway • Suite 105 • White Bear Lake, MN 55110
Phone: 651.407.0400 • Fax: 651.407.0509