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Taiwan-BioActive Lipid redefines functional food landscape with Lipid Nanoparticles

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台灣活性脂質股份有限公司
Taiwan-BioActive Lipid Co., Ltd
T-BAL

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Taiwan's Lipid Encapsulation and Analysis Corporation has harnessed the potential of Lipid Encapsulated Technology to unveil a revolutionary product line. Introducing nano-sized spheres adept at carrying natural compounds, these groundbreaking nanoparticles are set to reshape the health-centric culinary landscape, particularly within the burgeoning realm of functional plant-based meats.

At the forefront of this transformative breakthrough stands Taiwan-BioActive Lipid (T-BAL), a company committed to pioneering lipid research. Specialising in Lipid Encapsulation Technology, T-BAL epitomises expertise in lipid analysis and manufacturing. The company has launched a paradigm-shifting product line, leveraging advanced knowledge in lipidomics to craft nanoparticles capable of transporting an assortment of lipids, including phospholipids, ceramides, and neutral lipids.

T-BAL's dedication to lipid research transcends conventional boundaries, evident in its proficiency in analysing and manipulating an extensive spectrum of lipids. Profoundly versed in the significance of phospholipids as fundamental building blocks of cell membranes, the essential role of ceramides in skin health, and the vital role of neutral lipids containing fatty

acids and bioactive compounds, T-BAL excels in the intricate world of lipidomics.

Delving into lipidomics, a discipline comprehensively analysing the structure and function of lipids, T-BAL boasts a portfolio encompassing over 4000 different lipids. This trailblazing approach demonstrates a steadfast commitment to pushing the boundaries of achievable results in lipid research.

In a departure from conventional supplements available in pill form, T-BAL's creations predominantly take the form of lipid particles in foods, blurring the lines between traditional supplements and functional food products. This innovative approach falls under the category of "nutriceuticals," a concept derived from nutritional pharmacology.

Acknowledging the stagnation in the market due to the dominance of traditional functional beverages, T-BAL's team draws upon extensive biomedical research to propose a game-changing strategy. Leveraging years of expertise in lipidomics, the team transforms their findings into the realm of "nutriceutics." The United Nations predicts that the global population of individuals aged 65 and above will reach 2 billion by 2050.