



Showcasing research from Professor Jie Xu's laboratory, State Key Laboratory of Marine Food Processing & Safety Control, College of Food Science and Engineering, Ocean University of China, Qingdao, China.

Astaxanthin alleviates ganglioside metabolism disorder in the cortex of Alzheimer's disease mice

The present study analyzed the amelioration effect and mechanism of two kinds of astaxanthin (AST), including free-AST (F-AST) and docosahexaenoic acid-acylated AST monoester (AST-DHA), on ganglioside (GLS) metabolism in the cortex of APP/PS1 mice using LC-MS strategy combined with molecular biology. Improving GLS homeostasis in the Alzheimer's Disease (AD) mouse cortex might be a critical pathway to explain the AST AD-preventing effect.

As featured in:



See Yu Song, Jie Xu et al., *Food Funct.*, 2023, 14, 10362.