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Gluten-free DHA/EPA/GLA/Antioxidant-rich Nutritional Liquid

National Cancer Institute

Source

National Cancer Institute. *Gluten-free DHA/EPA/GLA/Antioxidant-rich Nutritional Liquid*.
NCI Thesaurus. Code C128027.

A gluten- and lactose-free, energy-rich, calorie-dense, non-complete liquid nutritional supplement enriched with eicosapentaenoic acid (EPA), docosahexaenoic acid (DHA), gamma-linolenic acid (GLA) and antioxidants, with potential anti-cachexic and anti-inflammatory activities. The nutritional liquid also contains protein, in the form of sodium and calcium caseinates, carbohydrates, as maltodextrin and sucrose, fat, as canola, borage, and marine oils, L-carnitine, taurine, and several other vitamins and minerals. Upon oral intake of the gluten-free DHA/EPA/GLA/antioxidant-rich nutritional liquid, the essential omega-3 polyunsaturated fatty acids EPA and DHA, derived from refined marine oil, and GLA, derived from borage oil, are incorporated into cell membranes and affect the production of pro-inflammatory mediators, which elicits an anti-inflammatory effect and may also prevent infections. The antioxidants, including ascorbic acid, beta-carotene, and tocopherols, neutralize free radicals, thereby protecting tissues and organs from oxidative damage. Medium chain triglycerides (MCT) and large chain triglycerides (LCT) in this supplement enhance fat absorption and increase calorie intake. Additionally, this nutritional supplement may prevent malnutrition and weight loss.