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# MCT/LCT/Fish Oil Omega-3 Fatty Acid Lipid Emulsion

National Cancer Institute

## Source

National Cancer Institute. *MCT/LCT/Fish Oil Omega-3 Fatty Acid Lipid Emulsion*. NCI Thesaurus. Code C79839.

A nutritional lipid emulsion consisting of coconut oil-derived medium chain triglycerides (MCTs), soybean oil-derived long chain triglycerides (LCT), and the fish oil-derived polyunsaturated omega-3 fatty acids. This lipid emulsion supplies essential fatty acids and calories for energy. Omega-3 fatty acids may decrease the production of certain pro-inflammatory cytokines, including interleukin 1 (IL-1), IL-6 and tumor necrosis factor (TNF). The MCTs mainly provide calories for energy. In addition to LCTs, MCTs, and omega-3 fatty acids, this lipid emulsion contains egg yolk lecithin, glycerol, and the antioxidant alpha-tocopherol (vitamin E).