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Lymphatic Absorption of Chemically Structured Tri Containing Docosahexaenoic Acid

Kenshiro FUJIMOTO[1)], Kumiko ITO[1)], Yasushi ENDO[1)], Fumik Chikako SHIINA[3)] and Suguru NAKAYAMA[3)]

1) Department of Applied Biological Chemistry, Faculty of Agr University
2) The National Institute of Health and Nutrition
3) Central Research Institute, Maruha Co.

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The effects of triglyceride (TG) structure on the lymphatic absorpti docosahexaenoic acid (DHA) were studied in lymph-cannulated ra structured TGs containing DHA. When 1,3-dipalmitoyl-2-docosah

and 1,2(or 2,3)-dipalmitoyl-3(or 1)-docosahexaenoylglycerol (PPI
rats, DHA located at the 2-position in PDP was absorbed more effi
that at the 1(or 3)-position in PPD. Total fatty acid composition of
PDP and PPD was nearly similar, but the contents of DHA located
lymph TG were much higher in the PDP group than in the PPD gro
showed that the lymphatic TG composition in the PDP group was d
PDD group. These results showed that the TG structure could influ
absorption of dietary DHA.

Keywords: docosahexaenoic acid, lymphatic absorption, rat, struc
structure

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