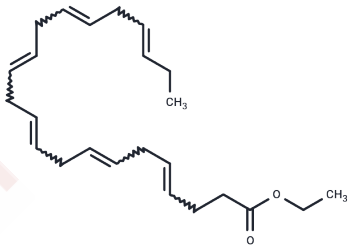
Data Sheet (Cat.No.T19319)

TargetMol

Ethyl docosa-4,7,10,13,16,19-hexaenoate

Chemical Properties



CAS No. : 84494-72-4

Formula: C24H36O2

Molecular Weight: 356.54

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Ethyl cis-4,7,10,13,16,19-Docosahexaenoate, the ethyl ester of Docosahexaenoate (DHA), is selectively enriched in the ethyl ester fraction through alcoholysis using fatty acid ethyl esters from tuna oil and lauryl alcohol.
Targets(IC50)	Others,Endogenous Metabolite
In vitro	Ethyl cis-4,7,10,13,16,19-Docosahexaenoate (Ethyl docosahexaenoate; E-DHA) is effectively concentrated through the selective alcoholysis of ethyl esters derived from tuna oil with lauryl alcohol, utilizing immobilized lipase.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8047 mL	14.0237 mL	28.0473 mL
5 mM	0.5609 mL	2.8047 mL	5.6095 mL
10 mM	0.2805 mL	1.4024 mL	2.8047 mL
50 mM	0.0561 mL	0.2805 mL	0.5609 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Yuji Shimada, et al. Purification of ethyl docosahexaenoate by selective alcoholysis of fatty acid ethyl esters with immobilized

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