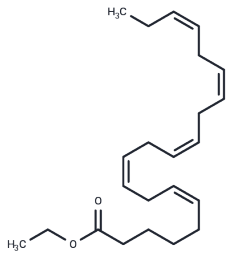
Data Sheet (Cat.No.T84397)

TargetMol

Heneicosapentaenoic Acid ethyl ester

Chemical Properties



CAS No. : 131775-86-5

Formula: C23H36O2

Molecular Weight: 344.539

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

Biological Description

Description	Heneicosapentaenoic Acid (HPA), a 21:5 ω-3 fatty acid, is found in minute quantities in green algae and fish oils, resembling eicosapentaenoic acid (EPA) but with an added carbon on the carboxyl end, positioning the initial double bond at the Δ6 location. HPA serves as a tool for examining the impact of double bond positions within n-3 fatty acids, as it is incorporated into phospholipids and triacylglycerol in vivo as efficiently as EPA and docosahexaenoic acid (DHA), while significantly inhibiting the synthesis of arachidonic acid from linoleic acid. Moreover, the ethyl ester variant of heneicosapentaenoic acid offers a more lipophilic and stable alternative to the free acid form.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9024 mL	14.5121 mL	29.0242 mL
5 mM	0.5805 mL	2.9024 mL	5.8048 mL
10 mM	0.2902 mL	1.4512 mL	2.9024 mL
50 mM	0.058 mL	0.2902 mL	0.5805 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.

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