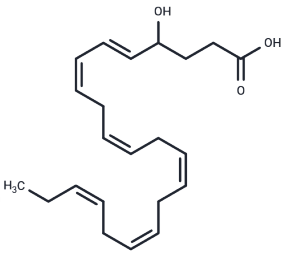
Data Sheet (Cat.No.T36602)

TargetMol

(±)4-HDHA

Chemical Properties



CAS No. : 90906-40-4

Formula: C22H32O3

Molecular Weight: 344.49

Storage: Store at low temperature,Keep away from direct sunlight
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	(±)4-HDHA (4-Hydroxy docosahexaenoic acid) is a PPARγ agonist with anti-inflammatory activity that directly inhibits endothelial cell proliferation and sprouting angiogenesis via PPARγ, which can be used in the study of diabetes.
Targets(IC50)	Others,PPAR

Solubility Information

Solubility	0.1 M Na2CO3: 1 mg/mL (2.9 mM),Sonication is recommended. PBS (pH 7.2): < 1 mg/mL,(insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9028 mL	14.5142 mL	29.0284 mL
5 mM	0.5806 mL	2.9028 mL	5.8057 mL
10 mM	0.2903 mL	1.4514 mL	2.9028 mL
50 mM	0.0581 mL	0.2903 mL	0.5806 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

Yamamoto K, et al. 4-Hydroxydocosahexaenoic acid, a potent peroxisome proliferator-activated receptor gamma agonist alleviates the symptoms of DSS-induced colitis. Biochem Biophys Res Commun. 2008 Mar 14;367(3):566-72.

Richard Louis Dunbar, et al. Lymph-releasing compositions of fatty acids and uses thereof for lymphatic incorporation and systemic disease treatment. Patent. WO2023146984.