

CAY10485

Chemical Properties

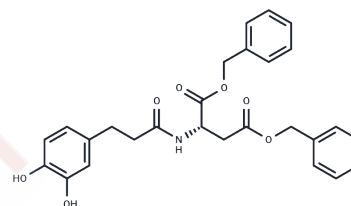
CAS No. : 615264-62-5

Formula: C27H27NO7

Molecular Weight: 477.51

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	Acyl-coenzyme A: cholesterol acyltransferase-1 and -2 (ACAT-1 and ACAT-2) catalyze the formation of cholesterol esters from cholesterol and long chain fatty acyl-coenzyme A, and may play a role in the development of atherosclerosis. CAY10485 inhibits human ACAT-1 and ACAT-2 with an IC50 values of 95 and 81 μ M, respectively. It also inhibits copper-mediated oxidation of low density lipoproteins by 91% at a concentration of 2 μ M.
Targets(IC50)	Others,Acyltransferase

Solubility Information

Solubility	DMF: 20 mg/mL (41.88 mM),Sonication is recommended. Ethanol:PBS (pH 7.2)(1:3): 0.25 mg/mL (0.52 mM),Sonication is recommended. DMSO: 20 mg/mL (41.88 mM),Sonication is recommended. Ethanol: 20 mg/mL (41.88 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0942 mL	10.471 mL	20.942 mL
5 mM	0.4188 mL	2.0942 mL	4.1884 mL
10 mM	0.2094 mL	1.0471 mL	2.0942 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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