

CAY10486

Chemical Properties

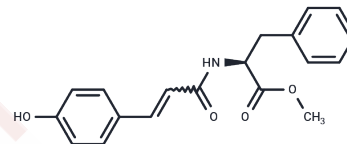
CAS No. : 615264-52-3

Formula: C₁₉H₁₉NO₄

Molecular Weight: 325.36

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. CAY10486 inhibits human ACAT-1 and ACAT-2 equally with an IC ₅₀ value of approximately 60 μM. It also inhibits copper-mediated oxidation of low density lipoproteins by about 28% at a concentration of 3 μM.
Targets(IC ₅₀)	Others,Acyltransferase

Solubility Information

Solubility	Ethanol: 20 mg/mL (61.47 mM),Sonication is recommended. DMSO:PBS (pH 7.2)(1:5): 0.5 mg/mL (1.54 mM),Sonication is recommended. DMSO: 30 mg/mL (92.21 mM),Sonication is recommended. DMF: 30 mg/mL (92.21 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	3.0735 mL	15.3676 mL	30.7352 mL
5 mM	0.6147 mL	3.0735 mL	6.147 mL
10 mM	0.3074 mL	1.5368 mL	3.0735 mL
50 mM	0.0615 mL	0.3074 mL	0.6147 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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