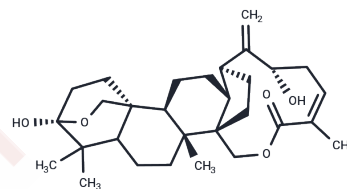


Semialactone

Chemical Properties

CAS No. :	366450-46-6
Formula:	C ₃₀ H ₄₄ O ₄
Molecular Weight:	468.67
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	Semialactone shows inhibitory activities on human acyl-CoA:cholesterol acyltransferase (hACAT)1 with IC ₅₀ values of 79.1 μ M and on human hACAT2 with IC ₅₀ values of 76.9 μ M, it may be effective in the prevention and treatment of hypercholesterolemia or atherosclerosis via inhibitory effect on hACAT.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1337 mL	10.6685 mL	21.337 mL
5 mM	0.4267 mL	2.1337 mL	4.2674 mL
10 mM	0.2134 mL	1.0668 mL	2.1337 mL
50 mM	0.0427 mL	0.2134 mL	0.4267 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

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