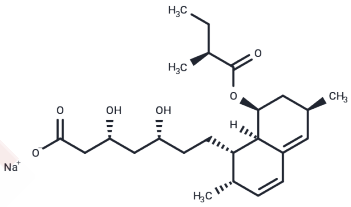
Data Sheet (Cat.No.T19918)

TargetMol

Lovastatin hydroxy acid sodium

Chemical Properties



CAS No. : 75225-50-2

Formula: C24H37NaO6

Molecular Weight: 444.54

Storage: Keep away from moisture,Store at low temperature,
Store under nitrogen
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	Lovastatin hydroxy acid sodium (Mevinolinic acid sodium) is a competitive inhibitor of HMG-CoA reductase with a Ki value of 0.6 nM, which can lower cholesterol.
Targets(IC50)	HMG-CoA Reductase

Solubility Information

Solubility	DMSO: 10.00 mg/mL (22.50 mM),Sonication is recommended. H2O: 10.00 mg/mL (22.50 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2495 mL	11.2476 mL	22.4952 mL
5 mM	0.4499 mL	2.2495 mL	4.499 mL
10 mM	0.225 mL	1.1248 mL	2.2495 mL
50 mM	0.045 mL	0.225 mL	0.4499 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

A W Alberts, eta al. Mevinolin: A Highly Potent Competitive Inhibitor of Hydroxymethylglutaryl-Coenzyme A Reductase and a Cholesterol-Lowering Agent. Proc Natl Acad Sci U S A. 1980 Jul;77(7):3957-61.
Wang K, et al. Sustained release of simvastatin from hollow carbonated hydroxyapatite microspheres prepared by aspartic acid and sodium dodecyl sulfate. Mater Sci Eng C Mater Biol Appl. 2017 Jun 1;75:565-571.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481