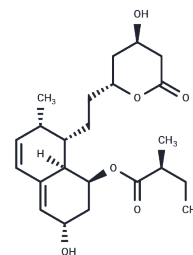


Pravastatin lactone

Chemical Properties

CAS No. :	85956-22-5
Formula:	C ₂₃ H ₃₄ O ₆
Molecular Weight:	406.519
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	Pravastatin lactone is a metabolite of pravastatin, a hydroxymethylglutaryl-coenzyme A (HMG-CoA) reductase inhibitor that is a ring-hydroxylated metabolite of mevastatin. Pravastatin lactone is formed when pravastatin undergoes acid-catalyzed non-enzymatic lactonization in the stomach following oral administration.
Targets(IC50)	Others, HMG-CoA Reductase

Solubility Information

Solubility	DMSO: 20 mg/mL (49.2 mM), Sonication is recommended. DMF: 25 mg/mL (61.5 mM), Sonication is recommended. PBS (pH 7.2): 10 mg/mL (24.6 mM), Sonication is recommended. Ethanol: 12.5 mg/mL (30.75 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (4.92 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4599 mL	12.2995 mL	24.599 mL
5 mM	0.492 mL	2.4599 mL	4.9198 mL
10 mM	0.246 mL	1.230 mL	2.4599 mL
50 mM	0.0492 mL	0.246 mL	0.492 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

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