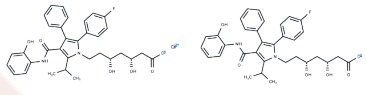
Data Sheet (Cat.No.TQ0045)

TargetMol

2-Hydroxy atorvastatin calcium salt

Chemical Properties



CAS No. : 265989-46-6

Formula: C66H68CaF2N4O12

Molecular Weight: 1187.36

Storage: Keep away from moisture
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	2-Hydroxy atorvastatin calcium salt is a hydroxy metabolite of atorvastatin calcium salt, a potent HMG-CoA reductase inhibitor (IC50 = 8 nM).
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	DMSO: 10.00 mg/mL (8.42 mM),when pH is adjusted to 3 with HCl. 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: 1.00 mg/mL (0.84 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8422 mL	4.211 mL	8.422 mL
5 mM	0.1684 mL	0.8422 mL	1.6844 mL
10 mM	0.0842 mL	0.4211 mL	0.8422 mL
50 mM	0.0168 mL	0.0842 mL	0.1684 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

Borek-Dohalský V, et al. Validated HPLC-MS-MS method for simultaneous determination of atorvastatin and 2-hydroxyatorvastatin in human plasma-pharmacokinetic study. Anal Bioanal Chem. 2006 Sep;386(2):275-85.

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