

2-Hydroxy atorvastatin calcium salt

Chemical Properties

CAS No.:	265989-46-6
Formula:	C ₃₃ H ₃₅ FN ₂ O ₆ ·0.5Ca
Molecular Weight:	594.69
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	2-Hydroxy atorvastatin (calcium salt) is a hydroxy metabolite of Atorvastatin. Atorvastatin is a potent HMG-CoA reductase inhibitor (IC ₅₀ : 8 nM).
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.682 mL	8.408 mL	16.815 mL
5 mM	0.336 mL	1.682 mL	3.363 mL
10 mM	0.168 mL	0.841 mL	1.682 mL
50 mM	0.034 mL	0.168 mL	0.336 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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