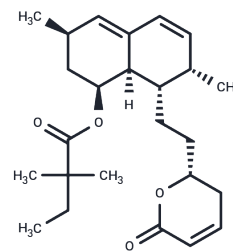


Anhydrosimvastatin

Chemical Properties

CAS No. :	210980-68-0
Formula:	C ₂₅ H ₃₆ O ₄
Molecular Weight:	400.55
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	Anhydrosimvastatin (Dehydro simvastatin) is an impurity of Simvastatin. Simvastatin is an HMG-CoA reductase inhibitor.
Targets(IC50)	HMG-CoA Reductase, Drug Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (124.83 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4966 mL	12.4828 mL	24.9657 mL
5 mM	0.4993 mL	2.4966 mL	4.9931 mL
10 mM	0.2497 mL	1.2483 mL	2.4966 mL
50 mM	0.0499 mL	0.2497 mL	0.4993 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

IOANA DRĂGHICI, et al. DEVELOPMENT OF A NEW LC METHOD FOR THE IDENTIFICATION, SEPARATION AND ASSAY OF SIMVASTATIN AND ITS IMPURITIES. FARMACIA, 2013, Vol. 61, 2.

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