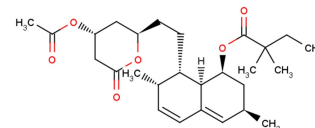


4-Acetylsimvastatin

Chemical Properties

CAS No.:	145576-25-6
Formula:	C ₂₇ H ₄₀ O ₆
Molecular Weight:	460.6
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	4-Acetylsimvastatin is acetylated simvastatin. Simvastatin is a competitive inhibitor of HMG-CoA reductase (K _i : 0.2 nM).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.171 mL	10.855 mL	21.711 mL
5 mM	0.434 mL	2.171 mL	4.342 mL
10 mM	0.217 mL	1.086 mL	2.171 mL
50 mM	0.043 mL	0.217 mL	0.434 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. Brian Morgan, et al. Methods for Making Simvastatin and Intermediates. US20110059493A1.

Inhibitors · Natural Compounds · Compound Libraries

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