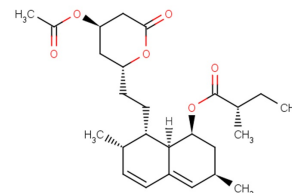


Acetyllovastatin

Chemical Properties

CAS No.:	81189-92-6
Formula:	C ₂₆ H ₃₈ O ₆
Molecular Weight:	446.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Acetyllovastatin (acetate of Lovastatin) presents a moderate inhibitory effect against the acetylcholinesterase (IC ₅₀ : 79 µg/mL). Lovastatin displays antifungal activity and suppresses the proliferation of a number of transformed cell lines.
Targets(IC ₅₀)	The enzyme acetylcholinesterase: 79 µg/mL

Solubility Information

Solubility	DMSO: 250 mg/mL (559.81 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.239 mL	11.196 mL	22.392 mL
5 mM	0.448 mL	2.239 mL	4.478 mL
10 mM	0.224 mL	1.12 mL	2.239 mL
50 mM	0.045 mL	0.224 mL	0.448 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. Cazar, et al. Antimicrobial Butyrolactone I Derivatives from the Ecuadorian Soil Fungus *Aspergillus terreus* Thorn. var *terreus*. World Journal of Microbiology and Biotechnology, 2005,21(6-7), 1067–1075.

Inhibitors · Natural Compounds · Compound Libraries

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