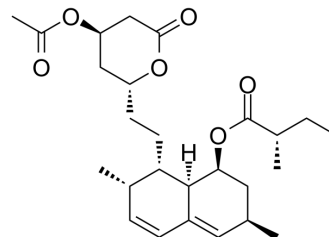


Acetyllovastatin

Cat. No.:	HY-126237		
CAS No.:	81189-92-6		
Molecular Formula:	C ₂₆ H ₃₈ O ₆		
Molecular Weight:	446.58		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (559.81 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration	Mass	Mass	Mass
1 mM		2.2392 mL	11.1962 mL	22.3924 mL
5 mM		0.4478 mL	2.2392 mL	4.4785 mL
10 mM		0.2239 mL	1.1196 mL	2.2392 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.08 mg/mL (4.66 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (4.66 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Acetyllovastatin, a acetate of Lovastatin, presents a moderate inhibitory effect against the enzyme acetylcholinesterase with an IC₅₀ of 79 µg/mL. Lovastatin has been found to display antifungal activity, and suppresses proliferation of a number of transformed cell lines^[1].

IC₅₀ & Target

IC₅₀: 79 µg/mL (The enzyme acetylcholinesterase)^[1]

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA