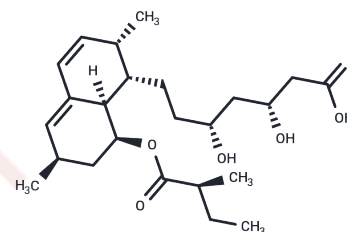


Mevinolinic acid

Chemical Properties

CAS No. :	75225-51-3
Formula:	C ₂₄ H ₃₈ O ₆
Molecular Weight:	422.562
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	Mevinolinic acid is an active metabolite of Lovastatin. Lovastatin is an HMG-CoA reductase inhibitor.
Targets(IC50)	Others,HMG-CoA Reductase,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3665 mL	11.8326 mL	23.6653 mL
5 mM	0.4733 mL	2.3665 mL	4.7331 mL
10 mM	0.2367 mL	1.1833 mL	2.3665 mL
50 mM	0.0473 mL	0.2367 mL	0.4733 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

- Boruta T, Bizukojc M. Induction of secondary metabolism of *Aspergillus terreus* ATCC 20542 in the batch bioreactor cultures. *Appl Microbiol Biotechnol.* 2016 Apr;100(7):3009-22. doi: 10.1007/s00253-015-7157-1. Epub 2015 Nov 25. PubMed PMID: 26603760; PubMed Central PMCID: PMC4786612.
- Boruta T, Bizukojc M. Culture-based and sequence-based insights into biosynthesis of secondary metabolites by *Aspergillus terreus* ATCC 20542. *J Biotechnol.* 2014 Apr 10;175:53-62. doi: 10.1016/j.jbiotec.2014.01.038. Epub 2014 Feb 15. PubMed PMID: 24534845.
- Bizukojc M, Pawlak M, Boruta T, Gonciarz J. Effect of pH on biosynthesis of lovastatin and other secondary metabolites by *Aspergillus terreus* ATCC 20542. *J Biotechnol.* 2012 Dec 31;162(2-3):253-61. doi: 10.1016/j.jbiotec.2012.09.007. Epub 2012 Sep 17. PubMed PMID: 22995742.
- Bizukojc M, Ledakowicz S. Simultaneous biosynthesis of (+)-geodin by a lovastatin-producing fungus *Aspergillus terreus*. *J Biotechnol.* 2007 Dec 1;132(4):453-60. Epub 2007 Jul 10. PubMed PMID: 17689800.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481