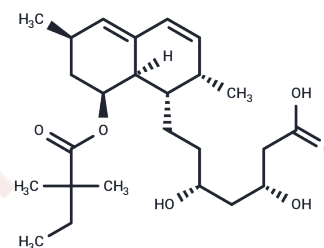


Tenivastatin

Chemical Properties

CAS No. :	121009-77-6
Formula:	C ₂₅ H ₄₀ O ₆
Molecular Weight:	436.58
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tenivastatin (Simvastatin acid) is an anti-hyperlipidemic HMG-CoA reductase inhibitor that inhibits the production of reactive oxygen species (ROS) and can be used in the study of primary hyperlipidemia.
Targets(IC50)	Reactive Oxygen Species, HMG-CoA Reductase, ROS
In vitro	In hCM and HEK293 cells transfected with OATP3A1, treatment with Simvastatin acid (0.1, 1, 10, and 20 μ M; 24 hours) resulted in a dose-dependent decrease in OATP3A1 expression, ranging from 1.5% to 90% in hCMs and OATP3A1-expressing cells, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2905 mL	11.4527 mL	22.9053 mL
5 mM	0.4581 mL	2.2905 mL	4.5811 mL
10 mM	0.2291 mL	1.1453 mL	2.2905 mL
50 mM	0.0458 mL	0.2291 mL	0.4581 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

Eduardo Filipe Oliveira, et al. HMG-CoA Reductase inhibitors: an updated review of patents of novel compounds and formulations (2011–2015). *Expert Opin Ther Pat.* 2016 Nov;26(11):1257-1272.

Atilano-Roque A, et al. Characterization of simvastatin acid uptake by organic anion transporting polypeptide 3A1 (OATP3A1) and influence of drug-drug interaction. *Toxicol In Vitro.* 2017 Dec;45(Pt 1):158-165.

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