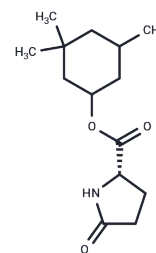


Crilvastatin

Chemical Properties

CAS No. :	120551-59-9
Formula:	C ₁₄ H ₂₃ NO ₃
Molecular Weight:	253.34
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Crilvastatin (PMD 387) is a novel, non-competitive hydroxymethylglutaryl coenzyme A reductase inhibitor with cholesterol-lowering activity, inhibiting cholesterol uptake in rats with hereditary hypercholesterolemia.
Targets(IC50)	HMG-CoA Reductase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9473 mL	19.7363 mL	39.4726 mL
5 mM	0.7895 mL	3.9473 mL	7.8945 mL
10 mM	0.3947 mL	1.9736 mL	3.9473 mL
50 mM	0.0789 mL	0.3947 mL	0.7895 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

- T Clerc, et al. Mechanisms of action in the liver of crilvastatin, a new hydroxymethylglutaryl-coenzyme A reductase inhibitor. *Eur J Pharmacol.* 1993 Apr 22;235(1):59-68.
- Clerc T, et al. Effect of crilvastatin, a new cholesterol lowering agent, on unesterified LDL-cholesterol metabolism into bile salts by rat isolated hepatocytes. *Br J Pharmacol.* 1995 Feb;114(3):624-31.
- Hajri T, et al. Crilvastatin, a new 3-hydroxy-3-methylglutaryl-coenzyme A reductase inhibitor, inhibits cholesterol absorption in genetically hypercholesterolemic rats. *Eur J Pharmacol.* 1995 Nov 14;286(2):131-6.
- Hajri T, et al. Reduced cholesterol absorption in hamsters by crilvastatin, a new 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor. *Eur J Pharmacol.* 1997 Feb 5;320(1):65-71.

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