

3 α -Hydroxy pravastatin sodium

Chemical Properties

CAS No. :	81093-43-8
Formula:	C ₂₃ H ₃₆ NaO ₇
Molecular Weight:	447.524
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	3 α -Hydroxy pravastatin sodium, the primary metabolite of Pravastatin, is a potent competitive inhibitor of HMG-CoA reductase.
Targets(IC50)	Others,HMG-CoA Reductase,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2345 mL	11.1727 mL	22.3454 mL
5 mM	0.4469 mL	2.2345 mL	4.4691 mL
10 mM	0.2235 mL	1.1173 mL	2.2345 mL
50 mM	0.0447 mL	0.2235 mL	0.4469 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

Zhang X, Vernikovskaya DI, Wang X, et al. Quantitative determination of pravastatin and its metabolite 3 α -hydroxy pravastatin in plasma and urine of pregnant patients by LC-MS/MS. Biomed Chromatogr. 2016;30(4):548-554.
Shiomi M, et al. Pravastatin sodium, a competitive inhibitor of hepatic 3-hydroxy-3-methylglutaryl coenzyme A reductase, decreases the cholesterol content of newly secreted very-low-density lipoprotein in Watanabe heritable hyperlipidemic rabbits. Metabolism. 1994;43(5):559-564.

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