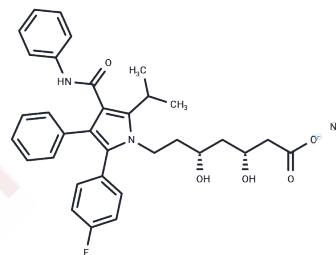


Atorvastatin Sodium

Chemical Properties

CAS No. :	134523-01-6
Formula:	C ₃₃ H ₃₄ FN ₂ NaO ₅
Molecular Weight:	580.63
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	Atorvastatin Sodium (Lipitor) is a competitive inhibitor of HMG-CoA reductase and increases the expression of low density lipoprotein (LDL) receptors on hepatocytes. Atorvastatin Sodium treatment inhibits aquaporin 4 to reduce ischaemic brain oedema.
Targets(IC50)	Aquaporin,HMG-CoA Reductase,Autophagy,LDL

Solubility Information

Solubility	DMSO: 240 mg/mL (413.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7223 mL	8.6113 mL	17.2227 mL
5 mM	0.3445 mL	1.7223 mL	3.4445 mL
10 mM	0.1722 mL	0.8611 mL	1.7223 mL
50 mM	0.0344 mL	0.1722 mL	0.3445 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

Wang Y, et al. Co-administration with simvastatin or lovastatin alters the pharmacokinetic profile of sinomenine in rats through cytochrome P450-mediated pathways. *Life Sci.* 2018 ; 209:228-235.

Cheng ZJ, et al. Atorvastatin Pretreatment Attenuates Ischemic Brain Edema by Suppressing Aquaporin 4. *J Stroke Cerebrovasc Dis.* 2018 ; 27(11):3247-3255.

Hari P, et al. Effect of atorvastatin on dyslipidemia and carotid intima-media thickness in children with refractory nephrotic syndrome: a randomized controlled trial. *Pediatr Nephrol.* 2018 ; 33(12):2299-2309.

Choi Y, et al. Pharmacokinetic interaction between fimasartan and atorvastatin in healthy male volunteers. *Drug Des Devel Ther.* 2018 ; 12:2301-2309.

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