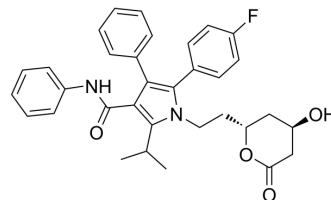


Atorvastatin lactone

Cat. No.:	HY-101873		
CAS No.:	125995-03-1		
Molecular Formula:	C ₃₃ H ₃₃ FN ₂ O ₄		
Molecular Weight:	540.62		
Target:	HMG-CoA Reductase (HMGR)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (46.24 mM); ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.8497 mL	9.2486 mL	18.4973 mL
		5 mM	0.3699 mL	1.8497 mL	3.6995 mL
10 mM		0.1850 mL	0.9249 mL	1.8497 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.62 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Atorvastatin lactone is a proagent form of atorvastatin. Atorvastatin is an orally active 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) reductase inhibitor ^[1] .
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REFERENCES

[1]. Valesky RJ, et al. Automated enzyme inhibition assay method for the determination of atorvastatin-derived HMG-CoA reductase inhibitors in human plasma using radioactivity detection. J Pharmacol Toxicol Methods. 2008 Jan-Feb;57(1):61-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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