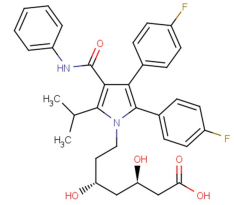


Data Sheet (Cat.No.T15127)

Difluoro atorvastatin

Chemical Properties

CAS No.:	693794-20-6
Formula:	C ₃₃ H ₃₄ F ₂ N ₂ O ₅
Molecular Weight:	576.63
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Difluoro atorvastatin is an Atorvastatin impurity. Atorvastatin is an orally active HMG-CoA reductase inhibitor and it has the ability to effectively decrease blood lipids. Atorvastatin inhibits human SV-SMC proliferation and invasion (IC ₅₀ s: 0.39 μM and 2.39 μM, respectively).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.734 mL	8.671 mL	17.342 mL
5 mM	0.347 mL	1.734 mL	3.468 mL
10 mM	0.173 mL	0.867 mL	1.734 mL
50 mM	0.035 mL	0.173 mL	0.347 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Santodomingo-Garzón T, et al. Atorvastatin inhibits inflammatory hypernociception. *Br J Pharmacol.* 2006 Sep;149(1):14-22.
2. Turner NA, et al. Comparison of the efficacies of five different statins on inhibition of human saphenous vein smooth muscle cell proliferation and invasion. *J Cardiovasc Pharmacol.* 2007 Oct;50(4):458-61.
3. Nawrocki, J.W., et al., Reduction of LDL cholesterol by 25% to 60% in patients with primary hypercholesterolemia by atorvastatin, a new HMG-CoA reductase inhibitor. *Arterioscler Thromb Vasc Biol.* 1995. 15(5): p. 678-82.

Inhibitors · Natural Compounds · Compound Libraries

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