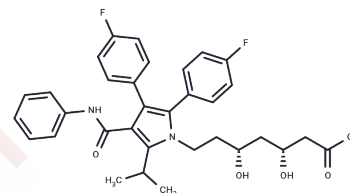


Difluoro atorvastatin

Chemical Properties

CAS No. :	693794-20-6
Formula:	C ₃₃ H ₃₄ F ₂ N ₂ O ₅
Molecular Weight:	576.63
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	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, Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7342 mL	8.6711 mL	17.3421 mL
5 mM	0.3468 mL	1.7342 mL	3.4684 mL
10 mM	0.1734 mL	0.8671 mL	1.7342 mL
50 mM	0.0347 mL	0.1734 mL	0.3468 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

- Santodomingo-Garzón T, et al. Atorvastatin inhibits inflammatory hypernociception. *Br J Pharmacol.* 2006 Sep;149 (1):14-22.
- 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.
- 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.

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