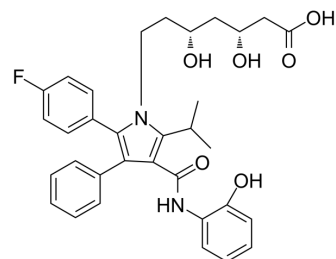


2-Hydroxy atorvastatin calcium salt

Cat. No.:	HY-128828
CAS No.:	265989-46-6
Molecular Formula:	C ₃₃ H ₃₅ FN ₂ O ₆ ·1/2Ca
Molecular Weight:	594.69
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



1/2 Ca

SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (21.02 mM); ultrasonic and adjust pH to 3 with HCl)				
		Solvent	Mass		
	Preparing Stock Solutions	Concentration	1 mg	5 mg	10 mg
		1 mM	1.6815 mL	8.4077 mL	16.8155 mL
		5 mM	0.3363 mL	1.6815 mL	3.3631 mL
10 mM		0.1682 mL	0.8408 mL	1.6815 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.27 mg/mL (3.82 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.10 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	2-Hydroxy atorvastatin calcium salt is a hydroxy metabolite of Atorvastatin calcium salt. Atorvastatin is a potent HMG-CoA reductase inhibitor with an IC ₅₀ value of 8 nM.
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REFERENCES

[1]. Borek-Dohalský V, et al. Validated HPLC-MS-MS method for simultaneous determination of atorvastatin and 2-hydroxyatorvastatin in human plasma-pharmacokinetic study. Anal Bioanal Chem. 2006 Sep;386(2):275-85.

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

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