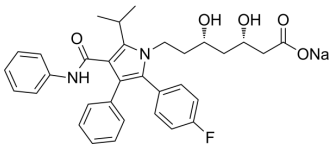
(3S,5S)-Atorvastatin sodium salt

Cat. No.:	HY-123632
CAS No.:	1428118-38-0
Molecular Formula:	$C_{33}H_{34}FN_2NaO_5$
Molecular Weight:	580.62
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(3S,5S)-Atorvastatin sodium salt is a pregnane X receptor (PXR) activator and the inactive enantiomer of Atorvastatin. Atorvastatin is an orally active HMG-CoA reductase inhibitor with lipid-lowering capabilities[1].
IC_{50} & Target	Pregnane X receptor (PXR)[1].

REFERENCES

[1]. Kocarek TA, et al. Regulation of CYP2B6 and CYP3A expression by hydroxymethylglutaryl coenzyme A inhibitors in primary cultured human hepatocytes. Drug Metab Dispos. 2002 Dec;30(12):1400-5.

[2]. Korhonova M, et al. Optical Isomers of Atorvastatin, Rosuvastatin and Fluvastatin Enantiospecifically Activate Pregnane X Receptor PXR and Induce CYP2A6, CYP2B6 and CYP3A4 in Human Hepatocytes. PLoS One. 2015 Sep 14;10(9):e0137720.

[3]. Shcherbakova EG, et al. High-Throughput Assay for Enantiomeric Excess Determination in 1,2- and 1,3-Diols and Direct Asymmetric Reaction Screening. Chemistry. 2017 Jul 26;23(42):10222-10229.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA