

4-hydroxy Atorvastatin (calcium salt) Biochemical

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CATALOG #
AAA227070

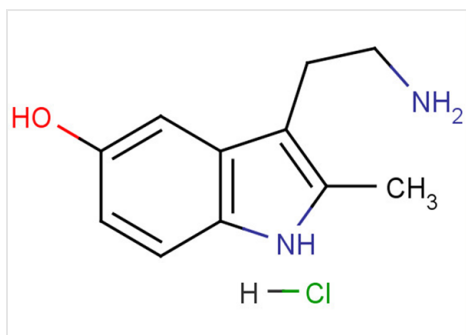
PRODUCT SYNONYMS

4-hydroxy Atorvastatin (calcium salt); 2-Methyl-5-hydroxytryptamine hydrochloride; 4-hydroxy Atorvastatin (calcium salt) biochemical

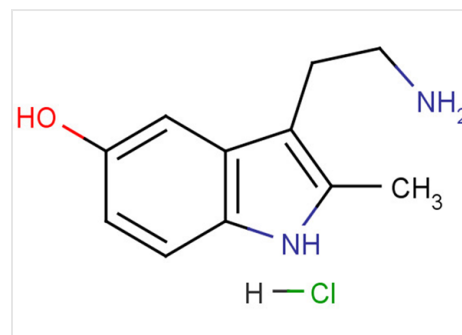
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	[Ca++].CC(C)c1c(C(=O)Nc2ccc(O)cc2)c(c(-c2ccc(F)cc2)n1CCC(O)CC(O)CC([O-])=O)-c1ccccc1.CC(C)c1c(C(=O)Nc2ccc(O)cc2)c(c(-c2ccc(F)cc2)n1CCC(O)CC(O)CC([O-])=O)-c1ccccc1
Formula	C66H68CaF2N4O12
CAS	265989-44-4
Solubility	DMF: 25 mg/mL DMSO: 15 mg/mL DMF:PBS (pH 7.2)(1:9): 0.1 mg/mL Ethanol: 0.5 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
2-Methyl-5-HT hydrochloride, CAS 845861-49-6



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ADDITIONAL INFORMATION

Related Product Information for 4-hydroxy Atorvastatin (calcium salt) biochemical

4-hydroxy Atorvastatin is a metabolite of atorvastatin, an HMG-CoA reductase inhibitor present in formulations that have been used to treat hypercholesterolemia and certain dyslipidemias. Atorvastatin is metabolized by the cytochrome P450 (CYP) isoform CYP3A4 to form 4-hydroxy atorvastatin.

Product Categories/Family for 4-hydroxy Atorvastatin (calcium salt) biochemical	GPCR/G Protein; Neuroscience
References	1. Sumaya IC, et al. Differential effects of a short-term high-fat diet in an animal model of depression in rats treated with the 5-HT3 receptor antagonist, ondansetron, the 5-HT3 receptor agonist, 2-methyl-5-HT, and the SSRI, fluoxetine. Pharmacol Biochem Behav. 2016 May;144:78-84.

NCBI AND UNIPROT INFORMATION

Molecular Weight	226.7
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/4-hydroxy-atorvastatin-calcium-salt/227070>