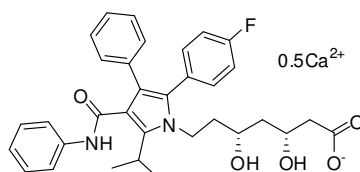


Certificate of Analysis

Axon Catalogue ID: 2043 **Batch Number:** 1
Product Name: Atorvastatin calcium
Alternative Name(s): Lipitor
IUPAC Name: (3R,5R)-7-(2-(4-Fluorophenyl)-5-isopropyl-3-phenyl-4-(phenylcarbamoyl)-1H-pyrrol-1-yl)-3,5-dihydroxyheptanoate hemicalcium salt

Structure:



Amount:

CAS number(s): 134523-00-5 (parent), 134523-03-8 (parent)
Molecular Formula: C₃₃H₃₄FN₂O₅·0.5Ca **Molecular Weight:** 577.67
Batch Molecular Formula: C₃₃H₃₄FN₂O₅·0.5Ca·0.25H₂O **Batch Molecular Weight:** 582.17
Appearance: White solid **Observed mp:** 169.3 - 171.7 °C
TLC (R_f): 0.21 DCM/MeOH (9:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.82, H 5.77, N 4.65; Found: C 65.72, H 5.87, N 4.70
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	58.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 29-03-2019

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only