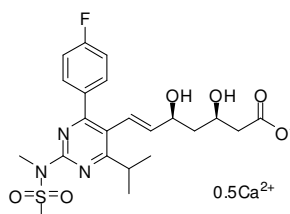




Certificate of Analysis

Axon Catalogue ID: 3444 **Batch Number:** 1
Product Name: Rosuvastatin calcium
Alternative Name(s): S4522; ZD4522
IUPAC Name: (3R,5S,E)-7-(4-(4-Fluorophenyl)-6-isopropyl-2-(N-methylmethylsulfonamido)pyrimidin-5-yl)-3,5-dihydroxyhept-6-enoic acid hemi-calcium salt

Structure:



Amount:

CAS number(s): 287714-41-4 (parent), 147098-20-2 (Ca (2:1))
Molecular Formula: C₂₂H₂₇FN₃O₆S.0.5Ca **Molecular Weight:** 500.57
Batch Molecular Formula: C₂₂H₂₇FN₃O₆S.0.5Ca.1.25H₂O **Batch Molecular Weight:** 523.09
Appearance: White solid **Observed mp:** 120 °C
TLC (R_f): 0.57 DCM/MeOH/AcOH (9:1:0.1)
Chemical Purity: 99.6%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 50.51, H 5.68, N 8.03; Found: C 50.44, H 5.29, N 7.92
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	29.1	55.6	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 17-8-2021

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