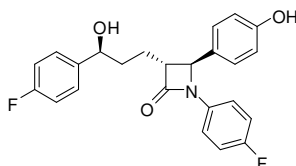




Certificate of Analysis

Axon Catalogue ID: 3377 **Batch Number:** 1
Product Name: Ezetimibe
Alternative Name(s): SCH58235
IUPAC Name: (3R,4S)-1-(4-Fluorophenyl)-3-((S)-3-(4-fluorophenyl)-3-hydroxypropyl)-4-(4-hydroxyphenyl)azetidin-2-one

Structure:



Amount:

CAS number(s): 163222-33-1
Molecular Formula: C₂₄H₂₁F₂NO₃ **Molecular Weight:** 409.43
Batch Molecular Formula: C₂₄H₂₁F₂NO₃.1H₂O **Batch Molecular Weight:** 427.44
Appearance: White solid **Observed mp:** 157.0 - 158.5 °C
TLC (R_f): 0.8 DCM/MeOH (9:1)
Chemical Purity: 98.3%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.44, H 5.42, N 3.28; Found: C 67.38, H 5.37, N 3.30
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	42.7	>100 mM	
	EtOH			Not Tested

Remarks: Suspected to be unstable in solution. It is recommended to prepare fresh solutions for your experiments

QC Date: 2-7-2021

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