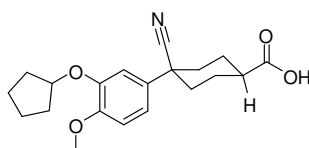




Certificate of Analysis

Axon Catalogue ID: 1592 **Batch Number:** 1
Product Name: SB 207499
Alternative Name(s): Cilomilast; Ariflo
IUPAC Name: cis-4-Cyano-4-(3-cyclopentyloxy-4-methoxyphenyl)cyclohexane-1-carboxylic acid

Structure:



Amount:

CAS number(s): 153259-65-5
Molecular Formula: C₂₀H₂₅NO₄ **Molecular Weight:** 343.42
Batch Molecular Formula: C₂₀H₂₅NO₄ **Batch Molecular Weight:** 343.42
Appearance: White solid **Observed mp:** 129 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.95, H 7.34, N 4.08; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)	20.0	58.2	Soluble
	0.1N HCl (aq)			Not Tested
	DMSO			Soluble
	EtOH			Not Tested

Remarks: Soluble in water upon compensating with base; slight warming (40°C) is helpful.

QC Date: 05-11-2018

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