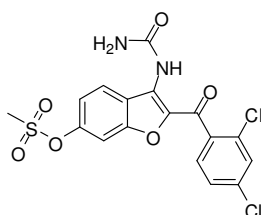




Certificate of Analysis

Axon Catalogue ID: 1178 **Batch Number:** 2
Product Name: BAY 19-8004
Alternative Name(s): Lirimilast
IUPAC Name: 2-(2,4-Dichlorobenzoyl)-3-ureidobenzofuran-6-yl methanesulfonate

Structure:



Amount:

CAS number(s): 329306-27-6
Molecular Formula: C₁₇H₁₂Cl₂N₂O₆S **Molecular Weight:** 443.26
Batch Molecular Formula: C₁₇H₁₂Cl₂N₂O₆S **Batch Molecular Weight:** 443.26
Appearance: Off-white solid **Observed mp:** 220 - 222 °C
TLC (R_f): 0.3 Hex/EtOAc (1:1)
Chemical Purity: 98.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 46.06, H 2.73, N 6.32; Found: C ND, H ND, N ND
Storage Conditions: Store at -20 °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	20.0	45.1	
	EtOH			Not Tested

Remarks:

QC Date: 24-01-2019

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