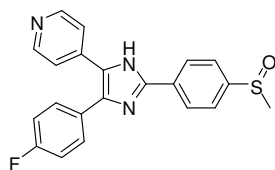


Certificate of Analysis

Axon Catalogue ID: 1363 **Batch Number:** 3B
Product Name: SB 203580
Alternative Name(s): N.A.
IUPAC Name: 4-(4-(4-Fluorophenyl)-2-(4-(methylsulfinyl)phenyl)-1H-imidazol-5-yl)pyridine

Structure:



Amount:

CAS number(s): 152121-47-6
Molecular Formula: C₂₁H₁₆FN₃O₃ **Molecular Weight:** 377.43
Batch Molecular Formula: C₂₁H₁₆FN₃O₃ **Batch Molecular Weight:** 377.43
Appearance: Light-yellow solid **Observed mp:** 241 - 242 °C
TLC (R_f): 0.56 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 66.93, H 4.27, N 11.13; 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)			Not Tested
	0.1N HCl (aq)		100.0	Soluble upon compensating with acid
	DMSO		25.0	
	EtOH			Not Tested

Remarks:

QC Date: 14-12-2018

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