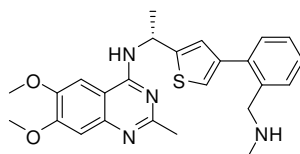


Certificate of Analysis

Axon Catalogue ID: 3053 **Batch Number:** 1
Product Name: BAY-293
Alternative Name(s): N.A.
IUPAC Name: (R)-6,7-Dimethoxy-2-methyl-N-(1-(4-(2-((methylamino)methyl)phenyl)thiophen-2-yl)ethyl)quinazolin-4-amine

Structure:



Amount:

CAS number(s): 2244904-70-7
Molecular Formula: C₂₅H₂₈N₄O₂S **Molecular Weight:** 448.58
Batch Molecular Formula: C₂₅H₂₈N₄O₂S.0.5H₂O **Batch Molecular Weight:** 457.59
Appearance: Yellow solid **Observed mp:** 105 °C
TLC (R_f): 0.4 DCM/MeOH (20:1)
Chemical Purity: 98.5%
Optical Purity (ee): 100%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.62, H 6.39, N 12.24; Found: C 65.82, H 6.17, N 11.89
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	40.0	87.4	
	EtOH			Not Tested

Remarks:

QC Date: 20-01-2020

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