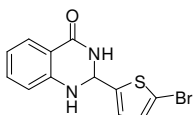




Certificate of Analysis

Axon Catalogue ID: 3481 **Batch Number:** 1
Product Name: BTYNB isomer
Alternative Name(s): BTYNB IMP1 inhibitor isomer
IUPAC Name: 2-(5-Bromothiophen-2-yl)-2,3-dihydroquinazolin-4(1H)-one

Structure:



Amount:

CAS number(s): 1262217-87-7
Molecular Formula: C₁₂H₉BrN₂O₂ **Molecular Weight:** 309.18
Batch Molecular Formula: C₁₂H₉BrN₂O₂ **Batch Molecular Weight:** 309.18
Appearance: Beige solid **Observed mp:** 178.5 - 179.2 °C
TLC (R_f): 0.6 DCM/MeOH (20:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 46.62, H 2.93, N 9.06; Found: C 46.61, H 2.92, N 9.46
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	30.9	>100 mM	
	EtOH	5.0	16.2	* Sonication

Remarks: * Sonication enhanced solubility.

QC Date: 10-9-2021

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