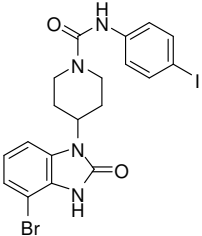




Certificate of Analysis

Axon Catalogue ID:	2934	Batch Number:	1
Product Name:	TH 5487		
Alternative Name(s):	N.A.		
IUPAC Name:	4-(4-Bromo-2-oxo-2,3-dihydro-1H-benzo[d]imidazol-1-yl)-N-(4-iodophenyl)piperidine-1-carboxamide		
Structure:		Amount:	
CAS number(s):	2304947-71-3		
Molecular Formula:	C ₁₉ H ₁₈ BrIN ₄ O ₂	Molecular Weight:	541.18
Batch Molecular Formula:	C ₁₉ H ₁₈ BrIN ₄ O ₂ ·0.25H ₂ O	Batch Molecular Weight:	545.68
Appearance:	White solid	Observed mp:	>293 °C (decomp)
TLC (R_f):	0.7	DCM/MeOH (9:1)	
Chemical Purity:	98.9%		
Optical Purity (ee):	N.A.		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 41.82, H 3.42, N 10.27; Found: C 41.56, H 3.29, N 9.98		
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	28.0	51.3
	EtOH		Not Tested
Remarks:			
QC Date:	06-05-2019		

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