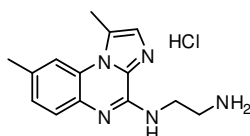




Certificate of Analysis

Axon Catalogue ID: 1731 **Batch Number:** 1
Product Name: BMS 345541
Alternative Name(s): N.A.
IUPAC Name: N1-(1,8-Dimethylimidazo[1,2-a]quinoxalin-4-yl)ethane-1,2-diamine hydrochloride

Structure:



Amount:

CAS number(s): 445430-58-0 (parent), 547757-23-3 (HCl (1:1))
Molecular Formula: C₁₄H₁₇N₅·1.25HCl **Molecular Weight:** 300.89
Batch Molecular Formula: C₁₄H₁₇N₅·1.25HCl·1H₂O **Batch Molecular Weight:** 318.91
Appearance: Off-white solid **Observed mp:** 275 °C (decomp)
TLC (R_f): 0.1 DCM/MeOH (1:1)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 52.23, H 6.37, N 21.75; Found: C 52.22, H 6.21, N 21.54
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	31.9	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	25.0	78.4	
	EtOH			Not Tested

Remarks:

QC Date: 09-02-2018

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