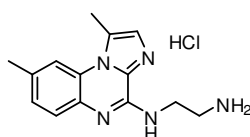




## Certificate of Analysis

**Axon Catalogue ID:** 1731 **Batch Number:** 2  
**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:** C<sub>14</sub>H<sub>17</sub>N<sub>5</sub>.HCl **Molecular Weight:** 291.78  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>17</sub>N<sub>5</sub>.HCl.0.75H<sub>2</sub>O **Batch Molecular Weight:** 305.29  
**Appearance:** White solid **Observed mp:** >265 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.1 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 98.6%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 55.08, H 6.44, N 22.94, Cl 11.61; Found: C 55.38, H 5.94, N 23.28, Cl 11.21  
**Storage Conditions:** Desiccate at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	30.5	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	14.4	47.2	
	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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**