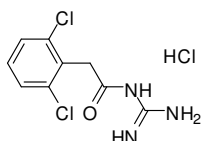




## Certificate of Analysis

**Axon Catalogue ID:** 3383 **Batch Number:** 1  
**Product Name:** Guanfacine hydrochloride  
**Alternative Name(s):** BS100-141  
**IUPAC Name:** N-Carbamimidoyl-2-(2,6-dichlorophenyl)acetamide hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 29110-47-2 (parent), 29110-48-3 (HCl (1:1))  
**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>Cl<sub>2</sub>N<sub>3</sub>O.HCl **Molecular Weight:** 282.55  
**Batch Molecular Formula:** C<sub>9</sub>H<sub>9</sub>Cl<sub>2</sub>N<sub>3</sub>O.HCl **Batch Molecular Weight:** 282.55  
**Appearance:** White solid **Observed mp:** 212 - 213 °C  
**TLC (R<sub>f</sub>):** 0.42 DCM/MeOH (9:1)  
**Chemical Purity:** 100.0%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 38.26, H 3.57, N 14.87; Found: C 38.34, H 3.53, N 14.95  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	18.2	64.6	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 14-04-2021

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

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