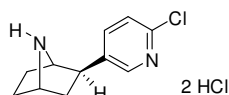




Certificate of Analysis

Axon Catalogue ID: 1077 **Batch Number:** 2
Product Name: (+)-Epibatidine dihydrochloride
Alternative Name(s): N.A.
IUPAC Name: (2R)-2-(6-Chloropyridin-3-yl)-7-azabicyclo[2.2.1]heptane

Structure:



Amount:

CAS number(s): 140111-52-0 (parent), 166374-43-2 (HCl (1:2))
Molecular Formula: C₁₁H₁₃ClN₂·2HCl **Molecular Weight:** 281.61
Batch Molecular Formula: C₁₁H₁₃ClN₂·2HCl **Batch Molecular Weight:** 281.61
Appearance: White solid **Observed mp:** 216 - 217 °C
TLC (R_f): - -
Chemical Purity: 100%
Optical Purity (ee): 99.6%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 46.92, H 5.37, N 9.95; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	28.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	28.2	>100 mM	
	EtOH			Not Tested

Remarks: The product should be handled by qualified personnel only! Use personal protection in a ventilated environment!

QC Date: 11-12-2018

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