



Certificate of Analysis

Axon Catalogue ID: 3044 **Batch Number:** 1
Product Name: Clonidine hydrochloride
Alternative Name(s): N.A.
IUPAC Name: N-(2,6-Dichlorophenyl)-4,5-dihydro-1H-imidazol-2-amine hydrochloride

Structure:  **Amount:**

CAS number(s): 4205-90-7 (parent), 4205-91-8 (HCl (1:1))
Molecular Formula: C₉H₉Cl₂N₃.HCl **Molecular Weight:** 266.55
Batch Molecular Formula: C₉H₉Cl₂N₃.HCl **Batch Molecular Weight:** 266.55
Appearance: White solid **Observed mp:** >300 °C
TLC (R_f): 0.5 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 40.55, H 3.78, N 15.76; Found: C 40.47, H 3.84, N 15.50
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	26.7	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	18.4	69.0	
	EtOH			Not Tested

Remarks:

QC Date: 21-11-2019

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