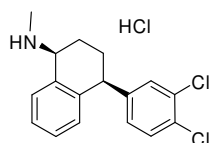




Certificate of Analysis

Axon Catalogue ID: 1300 **Batch Number:** 1
Product Name: Sertraline hydrochloride
Alternative Name(s): N.A.
IUPAC Name: (1S,4S)-4-(3,4-Dichlorophenyl)-N-methyl-1,2,3,4-tetrahydronaphthalen-1-amine hydrochloride

Structure:



Amount:

CAS number(s): 79617-96-2 (parent), 79559-97-0 (HCl (1:1))
Molecular Formula: C₁₇H₁₈Cl₃N.HCl **Molecular Weight:** 342.69
Batch Molecular Formula: C₁₇H₁₈Cl₃N.HCl **Batch Molecular Weight:** 342.69
Appearance: White solid **Observed mp:** 249 - 252 °C
TLC (R_f): 0.3 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.58, H 5.29, N 4.09; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility | | Remarks |
|------------------|----------------|------------|------|------------|
| | | (mg/ml) | (mM) | |
| | Water | 1.6 | 4.7 | Insoluble |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 32.0 | 93.4 | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 12-07-2019

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