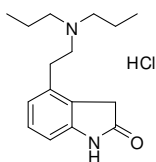




Certificate of Analysis

Axon Catalogue ID: 1514 **Batch Number:** 1
Product Name: Ropinirole hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 4-(2-Dipropylamino-ethyl)-1,3-dihydro-indol-2-one hydrochloride

Structure:



Amount:

CAS number(s): 91374-21-9 (parent), 91374-20-8 (HCl (1:1))
Molecular Formula: C₁₆H₂₄N₂O.HCl **Molecular Weight:** 296.84
Batch Molecular Formula: C₁₆H₂₄N₂O.HCl **Batch Molecular Weight:** 296.84
Appearance: Off-white solid **Observed mp:** 234 °C
TLC (R_f): 0.1 DCM/MeOH (9:1)
Chemical Purity: 98.0%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 64.74, H 8.49, N 9.44; Found: C ND, H ND, N ND
Storage Conditions: Desiccate at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | 29.7 | >100 mM | |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 18.0 | 60.6 | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 14-4-2021

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only