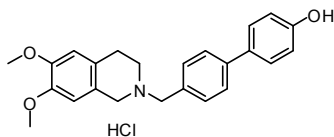




Certificate of Analysis

Axon Catalogue ID: 2591 **Batch Number:** 1
Product Name: MC 70 hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 4'-((6,7-Dimethoxy-3,4-dihydroisoquinolin-2(1H)-yl)methyl)biphenyl-4-ol hydrochloride

Structure:



Amount:

CAS number(s): 1031367-64-2 (parent), N.A. (HCl salt (1:1))
Molecular Formula: C₂₄H₂₅NO₃.HCl **Molecular Weight:** 411.92
Batch Molecular Formula: C₂₄H₂₅NO₃.HCl.0.25H₂O **Batch Molecular Weight:** 416.42
Appearance: Off-white solid **Observed mp:** 272.9 - 273.2 °C
TLC (R_f): 0.68 DCM/MeOH (9:1)
Chemical Purity: 98.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.22, H 6.41, N 3.36; Found: C 69.31, H 6.32, N 3.41
Storage Conditions: Store at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | 0.0 | 0.0 | Insoluble |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 11.8 | 28.4 | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 04-07-2016

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