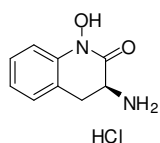




Certificate of Analysis

Axon Catalogue ID: 2924 **Batch Number:** 1
Product Name: PF 04859989 hydrochloride
Alternative Name(s): L-3-Amino-3,4-dihydro-1-hydroxycarbostyryl hydrochloride
IUPAC Name: (S)-3-Amino-1-hydroxy-3,4-dihydroquinolin-2(1H)-one hydrochloride

Structure:



Amount:

CAS number(s): 34783-48-7 (parent), 177943-33-8 (HCl (1:1))
Molecular Formula: C₉H₁₀N₂O₂.HCl **Molecular Weight:** 214.65
Batch Molecular Formula: C₉H₁₀N₂O₂.HCl.0.5H₂O **Batch Molecular Weight:** 223.66
Appearance: White solid **Observed mp:** 261 - 263 °C (decomp)
TLC (R_f): 0.33 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.9%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 48.33, H 5.41, N 12.53; Found: C 48.52, H 5.01, N 12.46
Storage Conditions: Desiccate at -20 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | | | | |
| | Water | 22.4 | >100 mM | |
| | 0.1N NaOH (aq) | 0.0 | 0.0 | Insoluble |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 22.4 | >100 mM | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 21-03-2019

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