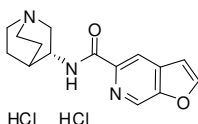




Certificate of Analysis

Axon Catalogue ID: 2109 **Batch Number:** 1
Product Name: PHA 543613 dihydrochloride
Alternative Name(s): N.A.
IUPAC Name: (R)-N-(Quinuclidin-3-yl)furo[2,3-c]pyridine-5-carboxamide dihydrochloride

Structure:



Amount:

CAS number(s): 478149-53-0 (parent), 478148-58-2 (HCl (1:2))
Molecular Formula: C₁₅H₁₇N₃O₂.2HCl **Molecular Weight:** 344.24
Batch Molecular Formula: C₁₅H₁₇N₃O₂.2HCl **Batch Molecular Weight:** 344.24
Appearance: Off-white solid **Observed mp:** >310 °C
TLC (R_f): 0.11 DCM/MeOH (9:1)
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 52.34, H 5.56, N 12.21, Cl 20.60; Found: C 52.15, H 5.62, N 12.12, Cl 20.46
Storage Conditions: Desiccate at +4 °C

| Solubility Data: | Solvent | Solubility (mg/ml) | Solubility (mM) | Remarks |
|------------------|----------------|--------------------|-----------------|------------|
| | Water | 34.4 | >100 mM | |
| | 0.1N NaOH (aq) | | | Not Tested |
| | 0.1N HCl (aq) | | | Not Tested |
| | DMSO | 6.8 | 19.8 | |
| | EtOH | | | Not Tested |

Remarks:

QC Date: 30-11-2018

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