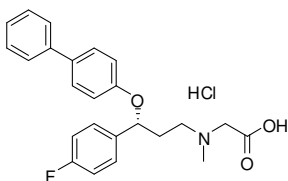




Certificate of Analysis

Axon Catalogue ID: 1238 **Batch Number:** 4
Product Name: ALX 5407 hydrochloride
Alternative Name(s): NFPS
IUPAC Name: (R)-2-((3-(Biphenyl-4-yloxy)-3-(4-fluorophenyl)propyl)(methyl)amino)acetic acid hydrochloride

Structure:



Amount:

CAS number(s): 571147-18-7 (parent), 200006-08-2 (HCl (1:1))
Molecular Formula: C₂₄H₂₄FNO₃.HCl **Molecular Weight:** 429.91
Batch Molecular Formula: C₂₄H₂₄FNO₃.HCl.0.5H₂O **Batch Molecular Weight:** 438.92
Appearance: White solid **Observed mp:** 86 - 90 °C
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 98.1%
Optical Purity (ee): 99.3%
Optical Rotation (Det.): [α]_D = +27.3° with c = 1 in MeOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.67, H 5.97, N 3.19; Found: C 65.86, H 5.92, N 3.44
Storage Conditions: Desiccate at -20 °C

| 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 | 43.9 | >100 mM | |
| EtOH | 43.9 | >100 mM | |

Remarks:

QC Date: 12-12-2022

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