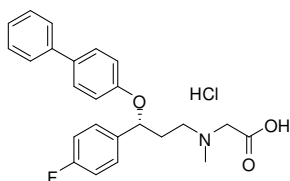




## Certificate of Analysis

**Axon Catalogue ID:** 1238 **Batch Number:** 2  
**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:** C<sub>24</sub>H<sub>24</sub>FNO<sub>3</sub>.HCl **Molecular Weight:** 429.91  
**Batch Molecular Formula:** C<sub>24</sub>H<sub>24</sub>FNO<sub>3</sub>.HCl.H<sub>2</sub>O **Batch Molecular Weight:** 447.93  
**Appearance:** Off-white solid **Observed mp:** 168 - 170 °C  
**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH (4:1)  
**Chemical Purity:** 98.8%  
**Optical Purity (ee):** Optically pure  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 64.35, H 6.08, N 3.13; Found: C 64.37, H 5.67, N 3.22  
**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) | 0.0                | 0.0             | Insoluble  |
|                  | 0.1N HCl (aq)  | 0.0                | 0.0             | Insoluble  |
|                  | DMSO           | 29.0               | 64.7            |            |
|                  | EtOH           |                    |                 | Not Tested |

**Remarks:**

**QC Date:** 8-5-2019

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**