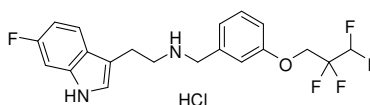




## Certificate of Analysis

**Axon Catalogue ID:** 2144 **Batch Number:** 2  
**Product Name:** Lu AE58054 hydrochloride  
**Alternative Name(s):** Idalopirdine hydrochloride  
**IUPAC Name:** 2-(6-Fluoro-1H-indol-3-yl)-N-(3-(2,2,3,3-tetrafluoropropoxy)benzyl)ethanamine hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 467459-31-0 (parent), 467458-02-2 (HCl (1:1))  
**Molecular Formula:** C<sub>20</sub>H<sub>19</sub>F<sub>5</sub>N<sub>2</sub>O.HCl **Molecular Weight:** 434.83  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>19</sub>F<sub>5</sub>N<sub>2</sub>O.HCl **Batch Molecular Weight:** 434.83  
**Appearance:** Off-white solid **Observed mp:** 169.9 - 170.8 °C  
**TLC (R<sub>f</sub>):** 0.6 DCM/MeOH (9:1)  
**Chemical Purity:** 99.9%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 55.24, H 4.64, N 6.44; Found: C 54.99, H 4.66, N 6.43  
**Storage Conditions:** Desiccate at +4 °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	43.5	>100 mM	
EtOH			Not Tested

**Remarks:**

**QC Date:** 11-2-2022

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

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