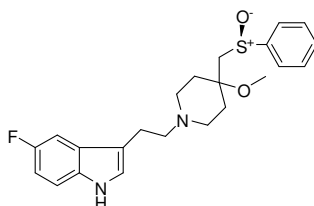




## Certificate of Analysis

**Axon Catalogue ID:** 1119 **Batch Number:** 2  
**Product Name:** GR 159897  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (R)-5-Fluoro-2-(2-(4-methoxy-4-(phenylsulfinylmethyl)piperidin-1-yl)ethyl)-1H-indole

**Structure:**



**Amount:**

**CAS number(s):** 158848-32-9  
**Molecular Formula:** C<sub>23</sub>H<sub>27</sub>FN<sub>2</sub>O<sub>2</sub>S **Molecular Weight:** 414.54  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>27</sub>FN<sub>2</sub>O<sub>2</sub>S.1.5H<sub>2</sub>O **Batch Molecular Weight:** 441.56  
**Appearance:** Off-white solid **Observed mp:** 71 - 73 °C  
**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**Optical Rotation (Det.):** [α]<sub>D</sub> = +105.0° with c = 1.06 in CHCl<sub>3</sub>  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.56, H 6.85, N 6.34; Found: C 62.18, H 6.47, N 6.32  
**Storage Conditions:** Store at +4 °C

| Solubility Data: | Solvent        | Solubility (mg/ml) | Solubility (mM) | Remarks    |
|------------------|----------------|--------------------|-----------------|------------|
|                  | Water          |                    |                 | Not Tested |
|                  | 0.1N NaOH (aq) |                    |                 | Not Tested |
|                  | 0.1N HCl (aq)  |                    |                 | Not Tested |
|                  | DMSO           | 31.0               | 70.2            |            |
|                  | EtOH           |                    |                 | Not Tested |

**Remarks:**

**QC Date:** 27-3-2023

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**