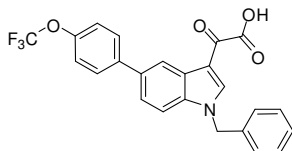




## Certificate of Analysis

**Axon Catalogue ID:** 1383 **Batch Number:** 2  
**Product Name:** Tiplaxtinin  
**Alternative Name(s):** PAI 039  
**IUPAC Name:** 2-(1-Benzyl-5-(4-(trifluoromethoxy)phenyl)-1H-indol-3-yl)-2-oxoacetic acid

**Structure:**



**Amount:**

**CAS number(s):** 393105-53-8  
**Molecular Formula:** C<sub>24</sub>H<sub>16</sub>F<sub>3</sub>NO<sub>4</sub> **Molecular Weight:** 439.38  
**Batch Molecular Formula:** C<sub>24</sub>H<sub>16</sub>F<sub>3</sub>NO<sub>4</sub> **Batch Molecular Weight:** 439.38  
**Appearance:** Yellow solid **Observed mp:** 167.5 - 169.5 °C  
**TLC (R<sub>f</sub>):** 0.25 DCM/MeOH (9:1)  
**Chemical Purity:** 99.5%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 65.60, H 3.67, N 3.19; Found: C ND, H ND, N ND  
**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)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	43.9	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 3-7-2024

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**