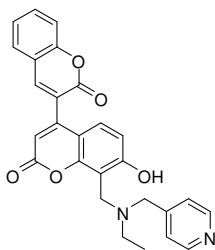




## Certificate of Analysis

**Axon Catalogue ID:** 2474 **Batch Number:** 1  
**Product Name:** SPL-B  
**Alternative Name(s):** Spindlactone B  
**IUPAC Name:** 8'-((Ethyl(pyridin-4-ylmethyl)amino)methyl)-7'-hydroxy-2H,2'H-3,4'-bichromene-2,2'-dione

**Structure:**



**Amount:**

**CAS number(s):** 1465248-60-5  
**Molecular Formula:** C<sub>27</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub> **Molecular Weight:** 454.47  
**Batch Molecular Formula:** C<sub>27</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub> **Batch Molecular Weight:** 454.47  
**Appearance:** Light-yellow solid **Observed mp:** 143.7 - 146.6 °C  
**TLC (R<sub>f</sub>):** 0.39 DCM/MeOH (9:1)  
**Chemical Purity:** 98.6%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 71.35, H 4.88, N 6.16; Found: C 71.01, H 5.01, N 6.07  
**Storage Conditions:** Store at -20 °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)	23.0	50.6	
	DMSO	45.4	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 9-7-2021

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**