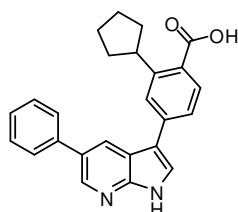


## Certificate of Analysis

**Axon Catalogue ID:** 1570 **Batch Number:** 4  
**Product Name:** GSK 650394  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-Cyclopentyl-4-(5-phenyl-1H-pyrrolo[2,3-b]pyridin-3-yl)benzoic acid

**Structure:**



**Amount:**

**CAS number(s):** 890842-28-1  
**Molecular Formula:** C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub> **Molecular Weight:** 382.45  
**Batch Molecular Formula:** C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 386.96  
**Appearance:** Off-white solid **Observed mp:** 304 - 306 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH (9:1)  
**Chemical Purity:** 98.1%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 77.60, H 5.86, N 7.24; Found: C 77.73, H 5.59, N 7.34  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	38.7	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 13-03-2019

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**