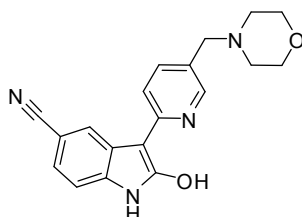


## Certificate of Analysis

**Axon Catalogue ID:** 2171 **Batch Number:** 1  
**Product Name:** AZD 1080  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-Hydroxy-3-(5-(morpholinomethyl)pyridin-2-yl)-1H-indole-5-carbonitrile

**Structure:**



**Amount:**

**CAS number:** 612487-72-6  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>·1H<sub>2</sub>O **Batch MW:** 352.38  
**Appearance:** Orange solid **Observed mp:** 224.5 - 227.1 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/Methanol (9:1)  
**Chemical Purity:** 98.6%  
**Optical Purity (ee):**  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 64.76 , H 5.72 , N 15.90 Found: C 64.65 , H 5.29 , N 15.94  
**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	18.9	53.6	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 8-10-2013

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**