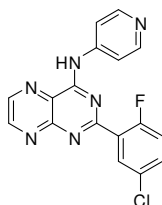




## Certificate of Analysis

**Axon Catalogue ID:** 1387 **Batch Number:** 3  
**Product Name:** SD 208  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(5-Chloro-2-fluorophenyl)-N-(pyridin-4-yl)pteridin-4-amine

**Structure:**



**Amount:**

**CAS number(s):** 627536-09-8  
**Molecular Formula:** C<sub>17</sub>H<sub>10</sub>ClFN<sub>6</sub> **Molecular Weight:** 352.76  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>10</sub>ClFN<sub>6</sub>·0.5H<sub>2</sub>O **Batch Molecular Weight:** 361.77  
**Appearance:** Pale-brown solid **Observed mp:** 258 °C  
**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)  
**Chemical Purity:** 99.2%  
**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 56.44, H 3.06, N 23.23; Found: C 56.13, H 2.89, N 23.32  
**Storage Conditions:** Store at -20 °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	8.0	22.1	
	EtOH	2.0	5.5	

**Remarks:**  
 \* Compound oxidizes easily when exposed to air (especially in solution); Need avoid light and air.  
 \*\* Gentle warming (~40°C) and/or sonication are helpful.  
 \*\*\* Gentle heating and/or sonication are required.

**QC Date:** 12-4-2019

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**