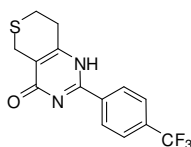




## Certificate of Analysis

**Axon Catalogue ID:** 1527 **Batch Number:** 1  
**Product Name:** XAV 939  
**Alternative Name(s):** NVP-XAV 939  
**IUPAC Name:** 2-(4-(Trifluoromethyl)phenyl)-7,8-dihydro-1H-thiopyrano[4,3-d]pyrimidin-4(5H)-one

**Structure:**



**Amount:**

**CAS number(s):** 284028-89-3  
**Molecular Formula:** C<sub>14</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub> **Molecular Weight:** 312.31  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub> **Batch Molecular Weight:** 312.31  
**Appearance:** White solid **Observed mp:** > 260 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.35 Hex/EtOAc (4:1)  
**Chemical Purity:** 99.4%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 53.84, H 3.55, N 8.97; Found: C ND, H ND, N ND  
**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	24.0	76.8	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 26-8-2022

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**