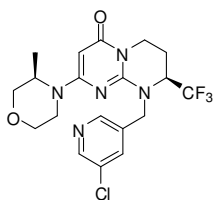




## Certificate of Analysis

**Axon Catalogue ID:** 2716 **Batch Number:** 1  
**Product Name:** SAR405  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-1-((5-Chloropyridin-3-yl)methyl)-8-((R)-3-methylmorpholino)-2-(trifluoromethyl)-3,4-dihydro-1H-pyrimido[1,2-a]pyrimidin-6(2H)-one

**Structure:**



**Amount:**

**CAS number(s):** 1523406-39-4  
**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>ClF<sub>3</sub>N<sub>5</sub>O<sub>2</sub> **Molecular Weight:** 443.85  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>21</sub>ClF<sub>3</sub>N<sub>5</sub>O<sub>2</sub> **Batch Molecular Weight:** 443.85  
**Appearance:** White solid **Observed mp:** 197 - 199 °C  
**TLC (R<sub>f</sub>):** 0.37 DCM/MeOH (20:1)  
**Chemical Purity:** 98.6%  
**Optical Purity (ee):** 99.5%  
**Optical Rotation (Det.):** [α]<sub>D</sub> = -33.9° with c = 0.45 in DMSO  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 51.41, H 4.77, N 15.78; Found: C 51.24, H 4.81, N 15.77  
**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)			Not Tested
	DMSO	44.4	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 17-6-2022

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**