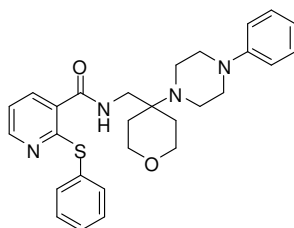




## Certificate of Analysis

**Axon Catalogue ID:** 2890 **Batch Number:** 1  
**Product Name:** JNJ 47965567  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N-((4-(4-Phenylpiperazin-1-yl)tetrahydro-2H-pyran-4-yl)methyl)-2-(phenylthio)nicotinamide

**Structure:**



**Amount:**

**CAS number(s):** 1428327-31-4  
**Molecular Formula:** C<sub>28</sub>H<sub>32</sub>N<sub>4</sub>O<sub>2</sub>S **Molecular Weight:** 488.64  
**Batch Molecular Formula:** C<sub>28</sub>H<sub>32</sub>N<sub>4</sub>O<sub>2</sub>S **Batch Molecular Weight:** 488.64  
**Appearance:** White solid **Observed mp:** 93.5 - 95.1 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (20:1)  
**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 68.82, H 6.60, N 11.47; Found: C 68.45, H 6.51, N 11.43  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	48.9	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 11-09-2018

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**