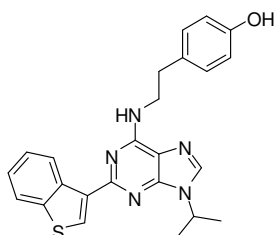




## Certificate of Analysis

**Axon Catalogue ID:** 1865 **Batch Number:** 1  
**Product Name:** StemRegenin 1  
**Alternative Name(s):** SR1  
**IUPAC Name:** 4-(2-(2-(Benzo[b]thiophen-3-yl)-9-isopropyl-9H-purin-6-ylamino)ethyl)phenol

**Structure:**



**Amount:**

**CAS number(s):** 1227633-49-9  
**Molecular Formula:** C<sub>24</sub>H<sub>23</sub>N<sub>5</sub>O S **Molecular Weight:** 429.54  
**Batch Molecular Formula:** C<sub>24</sub>H<sub>23</sub>N<sub>5</sub>O S **Batch Molecular Weight:** 429.54  
**Appearance:** White solid **Observed mp:** 177.0 - 179.5 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)  
**Chemical Purity:** 98.7%  
**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 67.11, H 5.40, N 16.30; Found: C ND, H ND, N ND  
**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			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	43.0	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 31-01-2019

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**