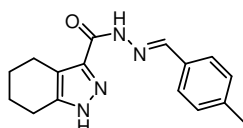




## Certificate of Analysis

**Axon Catalogue ID:** 2398 **Batch Number:** 1  
**Product Name:** Suprafenacine  
**Alternative Name(s):** SRF  
**IUPAC Name:** (E)-N<sup>1</sup>-(4-Methylbenzylidene)-4,5,6,7-tetrahydro-1H-indazole-3-carbohydrazide

**Structure:**



**Amount:**

**CAS number(s):** 1477482-50-0  
**Molecular Formula:** C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>O **Molecular Weight:** 282.34  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>O.0.1H<sub>2</sub>O **Batch Molecular Weight:** 284.14  
**Appearance:** White solid **Observed mp:** 287.0 - 290.2 °C  
**TLC (R<sub>f</sub>):** 0.43 EtOAc/Hex (1:1)  
**Chemical Purity:** 99.1%  
**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 67.63, H 6.46, N 19.72; Found: C 67.59, H 6.31, N 19.92  
**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)			Not Tested
	DMSO	18.0	63.3	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 08-05-2020

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**