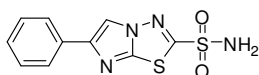




## Certificate of Analysis

**Axon Catalogue ID:** 1291 **Batch Number:** 3  
**Product Name:** AEG 3482  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 6-Phenylimidazo[2,1-b][1,3,4]thiadiazole-2-sulfonamide

**Structure:**



**Amount:**

**CAS number(s):** 63735-71-7  
**Molecular Formula:** C<sub>10</sub>H<sub>8</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub> **Molecular Weight:** 280.33  
**Batch Molecular Formula:** C<sub>10</sub>H<sub>8</sub>N<sub>4</sub>O<sub>2</sub>S<sub>2</sub> **Batch Molecular Weight:** 280.33  
**Appearance:** Light-yellow solid **Observed mp:** 259.8 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.7 Hex/EtOAc (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 42.85, H 2.88, N 19.98; Found: C 43.05, H 2.80, N 19.85  
**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	28.0	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 05-07-2019

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**