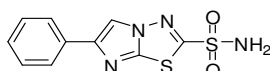




Certificate of Analysis

Axon Catalogue ID: 1291 **Batch Number:** 2
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: C₁₀H₈N₄O₂S₂ **Molecular Weight:** 280.33
Batch Molecular Formula: C₁₀H₈N₄O₂S₂ **Batch Molecular Weight:** 280.33
Appearance: Light-yellow solid **Observed mp:** 267 - 269 °C
TLC (R_f): 0.8 EtOAc
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 42.85, H 2.88, N 19.99; Found: C 42.94, H 2.79, N 19.74
Storage Conditions: Store at +4 °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	28.0	>100 mM	
	EtOH	1.8	6.4	

Remarks:

QC Date: 02-08-2018

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only