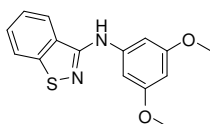




Certificate of Analysis

Axon Catalogue ID: 3596 **Batch Number:** 1
Product Name: ZG-2033
Alternative Name(s): N.A.
IUPAC Name: N-(3,5-Dimethoxyphenyl)benzo[d]isothiazol-3-amine

Structure:



Amount:

CAS number(s): 2685739-28-8
Molecular Formula: C₁₅H₁₄N₂O₂S **Molecular Weight:** 286.35
Batch Molecular Formula: C₁₅H₁₄N₂O₂S **Batch Molecular Weight:** 286.35
Appearance: Yellow solid **Observed mp:** 123.6 - 124.5 °C
TLC (R_f): 0.4 Hex/EtOAc (4:1)
Chemical Purity: 99.0%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.92, H 4.93, N 9.78; Found: C 62.69, H 4.92, N 9.60
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)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	28.6	>100 mM	
	EtOH	21.3	74.5	* Sonication

Remarks: * Sonication enhanced solubility.

QC Date: 30-11-2022

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