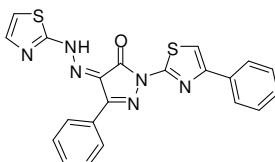


Certificate of Analysis

Axon Catalogue ID: 3431 **Batch Number:** 1
Product Name: BTSA1
Alternative Name(s): N.A.
IUPAC Name: (Z)-3-Phenyl-1-(4-phenylthiazol-2-yl)-4-(2-(thiazol-2-yl)hydrazono)-1H-pyrazol-5(4H)-one

Structure:



Amount:

CAS number(s): 314761-14-3
Molecular Formula: C₂₁H₁₄N₆O₂ **Molecular Weight:** 430.51
Batch Molecular Formula: C₂₁H₁₄N₆O₂·0.5H₂O **Batch Molecular Weight:** 439.51
Appearance: Orange solid **Observed mp:** 227.5 - 232.0 °C
TLC (R_f): 0.3 DCM/MeOH (20:1)
Chemical Purity: 99.5%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.39, H 3.44, N 19.12; Found: C 57.21, H 3.15, N 19.07
Storage Conditions: Store at -20 °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	3.6	8.2	
	EtOH			Not Tested

Remarks:

QC Date: 19-7-2021

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