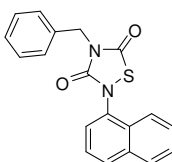


Certificate of Analysis

Axon Catalogue ID: 3579 **Batch Number:** 1
Product Name: Tideglusib
Alternative Name(s): NP031112
IUPAC Name: 4-Benzyl-2-(naphthalen-1-yl)-1,2,4-thiadiazolidine-3,5-dione

Structure:



Amount:

CAS number(s): 865854-05-3
Molecular Formula: C₁₉H₁₄N₂O₂S **Molecular Weight:** 334.39
Batch Molecular Formula: C₁₉H₁₄N₂O₂S.0.25H₂O **Batch Molecular Weight:** 338.90
Appearance: Light-grey solid **Observed mp:** 149 °C
TLC (R_f): 0.13 Hex/EtOAc (9:1)
Chemical Purity: 98.3%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.34, H 4.31, N 8.27; Found: C 67.68, H 4.10, N 8.26
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	33.9	>100 mM	
	EtOH	0.0	0.0	Insoluble

Remarks: Suspected to be electrostatic

QC Date: 25-2-2022

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