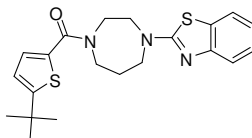




Certificate of Analysis

Axon Catalogue ID: 3602 **Batch Number:** 1
Product Name: tBT-HBT
Alternative Name(s): N.A.
IUPAC Name: (4-(Benzo[d]thiazol-2-yl)-1,4-diazepan-1-yl)(5-tert-butylthiophen-2-yl)methanone

Structure:



Amount:

CAS number(s): N.A.
Molecular Formula: C₂₁H₂₅N₃O₂ **Molecular Weight:** 399.57
Batch Molecular Formula: C₂₁H₂₅N₃O₂ **Batch Molecular Weight:** 399.57
Appearance: White solid **Observed mp:** 122.5 - 123.6 °C
TLC (R_f): 0.6 Hex/EtOAc (1:1)
Chemical Purity: 98.3%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.12, H 6.31, N 10.52; Found: C 63.12, H 6.22, N 10.47
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)	0.0	0.0	Insoluble
	DMSO	28.0	70.1	
	EtOH	18.7	46.7	

Remarks:

QC Date: 12-8-2022

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