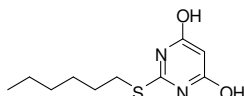




Certificate of Analysis

Axon Catalogue ID: 2616 **Batch Number:** 1
Product Name: ZQ-16
Alternative Name(s): N.A.
IUPAC Name: 2-(Hexylthio)pyrimidine-4,6-diol

Structure:



Amount:

CAS number(s): 376616-73-8
Molecular Formula: C₁₀H₁₆N₂O₂S **Molecular Weight:** 228.31
Batch Molecular Formula: C₁₀H₁₆N₂O₂S.0.75H₂O **Batch Molecular Weight:** 241.82
Appearance: White solid **Observed mp:** 186 °C
TLC (R_f): 0.68 DCM/MeOH (4:1)
Chemical Purity: 99.3%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 49.67, H 7.29, N 11.58; Found: C 49.52, H 6.92, N 11.51
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	24.2	>100 mM	
	EtOH	20.0	82.7	

Remarks:

QC Date: 4-2-2022

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