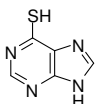




Certificate of Analysis

Axon Catalogue ID: 3245 **Batch Number:** 1
Product Name: 6-Mercaptopurine
Alternative Name(s): SK5357
IUPAC Name: 9H-Purine-6-thiol

Structure:



Amount:

CAS number(s): 50-44-2
Molecular Formula: C₅H₄N₄S **Molecular Weight:** 152.18
Batch Molecular Formula: C₅H₄N₄S.1H₂O **Batch Molecular Weight:** 170.19
Appearance: Pale-yellow solid **Observed mp:** >300 °C
TLC (R_f): 0.44 DCM/MeOH/AcOH (9:1:0.1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 35.29, H 3.55, N 32.92; Found: C 35.24, H 3.50, N 33.13
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)	10.4	61.1	
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	17.0	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 7-7-2021

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