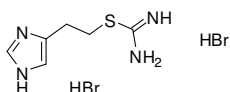




Certificate of Analysis

Axon Catalogue ID: 1325 **Batch Number:** 2
Product Name: Imetit dihydrobromide
Alternative Name(s): N.A.
IUPAC Name: 2-(1H-Imidazol-4-ylmethyl)-isothiourea dihydrobromide

Structure:



Amount:

CAS number(s): 102203-18-9 (parent), 32385-58-3 (HBr (1:2))
Molecular Formula: C₆H₁₀N₄S₂HBr **Molecular Weight:** 332.06
Batch Molecular Formula: C₆H₁₀N₄S₂HBr **Batch Molecular Weight:** 332.06
Appearance: Grey solid **Observed mp:** 202 - 204 °C
TLC (R_f): 0.1 DCM/MeOH/NH₃ (1:1:0.01)
Chemical Purity: >98%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 21.70, H 3.64, N 16.87; Found: C 21.47, H 3.42, N 16.59
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	33.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

Remarks: No purity assignment based on HPLC-MS due to lack of UV activity. Purity (>98%) estimated based on ¹H-NMR/micro analysis

QC Date: 11-12-2020

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