



Certificate of Analysis

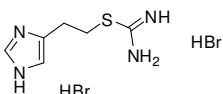
Axon Catalogue ID: 1325 **Batch Number:** 3

Product Name: Imetit dihydrobromide

Alternative Name(s): N.A.

IUPAC Name: 2-(1H-Imidazol-4-yl)ethyl carbamimidothioate dihydrobromide

Structure:



Amount:

CAS number(s): 102203-18-9 (parent), 32385-58-3 (HBr salt (1:2))

Molecular Formula: C₆H₁₀N₄S₂HBr **Molecular Weight:** 332.06

Batch Molecular Formula: C₆H₁₀N₄S₂HBr **Batch Molecular Weight:** 332.06

Appearance: Light-brown solid **Observed mp:** 212 - 213 °C

TLC (R_f): 0.65 DCM/MeOH/NH₃ (9:1:0.1)

Chemical Purity: >98%

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 21.42, H 3.45, N 16.63

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	23.6	71.1	
	EtOH			Not Tested

Remarks:

QC Date: 24-7-2023

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