



Certificate of Analysis

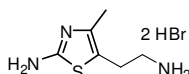
Axon Catalogue ID: 1207 **Batch Number:** 2

Product Name: Amthamine dihydrobromide

Alternative Name(s): N.A.

IUPAC Name: 5-(2-Aminoethyl)-4-methylthiazol-2-amine dihydrobromide

Structure:



Amount:

CAS number(s): 142437-67-0 (parent), 142457-00-9 (HBr (1:2))

Molecular Formula: C₆H₁₁N₃S.2HBr **Molecular Weight:** 319.06

Batch Molecular Formula: C₆H₁₁N₃S.2HBr **Batch Molecular Weight:** 319.06

Appearance: Beige solid **Observed mp:** >275 °C (decomp)

TLC (R_f): 0.3 DCM/MeOH/NH₄OH (4:1:0.01)

Chemical Purity: 99.5%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 22.59, H 4.11, N 13.17; Found: C 22.64, H 3.95, N 12.98

Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	31.9	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.0	75.2	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 7-9-2022

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