



Certificate of Analysis

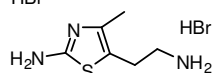
Axon Catalogue ID: 1207 **Batch Number:** 1

Product Name: Amthamine dihydrobromide

Alternative Name(s): N.A.

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

Structure: HBr **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: Off-white solid **Observed mp:** 278 °C (decomp)

TLC (R_f): 0.5 DCM/MeOH/NH₄OH (9:1:0.01)

Chemical Purity: 99.1%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): 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 22.74, H 4.19, N 13.31

Storage Conditions: Store at +4 °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			Not Tested
	EtOH			Not Tested

Remarks:

QC Date: 23-01-2019

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