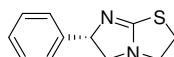




Certificate of Analysis

Axon Catalogue ID: 3242 **Batch Number:** 1
Product Name: Levamisole hydrochloride
Alternative Name(s): (-)-Tetramisole hydrochloride
IUPAC Name: (S)-6-Phenyl-2,3,5,6-tetrahydroimidazo[2,1-b]thiazole hydrochloride

Structure: HCl **Amount:**



CAS number(s): 14769-73-4 (parent), 16595-80-5 (HCl (1:1))
Molecular Formula: C₁₁H₁₂N₂S.HCl **Molecular Weight:** 240.75
Batch Molecular Formula: C₁₁H₁₂N₂S.HCl **Batch Molecular Weight:** 240.75
Appearance: White solid **Observed mp:** 227.7 - 230.9 °C
TLC (R_f): 0.79 DCM/MeOH/NH₃ (99:1:0.1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 54.88, H 5.44, N 11.64; Found: C 54.78, H 5.34, N 11.55
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	24.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	13.5	56.2	
	EtOH			Not Tested

Remarks:

QC Date: 16-10-2020

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