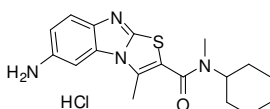




Certificate of Analysis

Axon Catalogue ID: 1260 **Batch Number:** 1
Product Name: YM 298198 hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 6-Amino-3-methyl-benzo[4,5]imidazo[2,1-b]thiazole-2-carboxylic acid cyclohexyl-methylamide hydrochloride

Structure:



Amount:

CAS number(s): 748758-45-4 (parent), 1216398-09-2 (HCl (1:1))
Molecular Formula: C₁₈H₂₃CIN₄OS **Molecular Weight:** 378.92
Batch Molecular Formula: C₁₈H₂₃CIN₄OS.1H₂O **Batch Molecular Weight:** 396.93
Appearance: Off-white solid **Observed mp:** 218 °C (decomp)
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 98.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 54.47, H 6.35, N 14.11; Found: C 54.15, H 6.00, N 13.83
Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	39.7	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	39.7	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 10-1-2019

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