

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0664	
Compound name	YM298198 hydrochloride	
Chemical name	6-Amino-N-cyclohexyl-N,3-dimethylthiazolo[3,2-a]benzimidazole-2-carboxamide hydrochloride	
Batch number	E1573-1-1	
Batch molecular formula	C ₁₈ H ₂₂ N ₄ OS.HCl.1.5H ₂ O	
Batch molecular weight	405.94	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.0%
NMR	¹ H NMR in DMSO at 300 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 10% MeOH/chloroform shows one spot under uv	Meets specification: R _f =0.46
Physical appearance	Cream to off-white solid	Meets specification: Cream solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

27-04-21

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.