

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB2622	 <chem>CN(C)CCN(Cc1ccc(OC)cc1)c2ccncc2</chem> $C_4H_4O_4$
Compound name	Mepyramine maleate	
Chemical name	2-((2-(Dimethylamino)ethyl)(p-methoxybenzyl)amino)-pyridine maleate	
Batch number	E0769-1-1	
Batch molecular formula	$C_{17}H_{23}N_3O \cdot C_4H_4O_4 \cdot 0.5H_2O$	
Batch molecular weight	410.47	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity as two	Meets specification: 99.1%
NMR	¹ H NMR in D ₂ O at 400 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 20% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.5
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM) and in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

21-03-18

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