

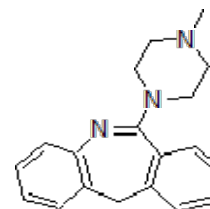
Certificate of Analysis



Product Identification

Catalog number	HB4889
Compound name	Perlapine
Chemical name	6-(4-Methyl-1-piperazinyl)-11H-dibenz[b,e]azepine
Batch number	E0567-4-10
Batch molecular formula	C ₁₉ H ₂₁ N ₃
Batch molecular weight	291.40

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.7% by HPLC
NMR	¹ H NMR in CDCl ₃ 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
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (50 mM)	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Huw Davies

Signature

Date

09-02-17

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