Certificate of Analysis



Product Identification

Chemical Structure

Catalog number HB0004

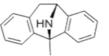
Compound name (+)-MK 801 maleate

Chemical name (5S,10R)-(+)-5-Methyl-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5,10-

imine maleate

Batch number E0745-5-2

Batch molecular weight 339.18



.C₄H₄O₄

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity as two	Meets specification: 100%
NMR	1H NMR in DMSO 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
Optical rotation	Specific rotation in methanol measured between +108° and +128°	Meets specification: [α] _D = +111° (c=1, MeOH)
TLC	TLC analysis in 5% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.20
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (25 mM) and in DMSO (100 mM)	Meets specification

Produced by Signature

Passed by Signature

ate **13-04-1**

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