

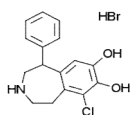
Certificate of Analysis



Product Identification

Catalog number	HB1858
Compound name	SKF 81297 hydrobromide
Chemical name	(+/-)-6-Chloro-2,3,4,5-tetrahydro-1-phenyl-1H-3-benzazepine hydrobromide
Basic molecular formula	C ₁₉ H ₁₈ ClNO ₂ ·HBr
Basic molecular weight	370.67
Batch number	E2649-1-1
Batch molecular formula	C ₁₉ H ₁₈ ClNO ₂ ·HBr·H ₂ O
Batch molecular weight	388.69
Origin	Synthetic

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.2%
NMR	¹ H 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
TLC	TLC analysis in 10% MeOH/DCM (+1% NH ₄ OH) shows one spot under KMnO ₄	Meets specification: R _f =0.4
Physical appearance	Off-white to beige solid	Meets specification: Beige solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Biological validation

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

11/12/2024

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