

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB3419	
Compound name	DBZ	
Chemical name	N-[(1S)-2-[[[(7S)-6,7-Dihydro-5-methyl-6-oxo-5H-dibenz[b,d]azepin-7-yl]amino]-1-methyl-2-oxoethyl]-3,5-difluorobenzeneacetamide	
Batch number	E1587-1-1	
Batch molecular formula	C ₂₆ H ₂₃ F ₂ N ₃ O ₃	
Batch molecular weight	463.48	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.7%
NMR	¹ H NMR at 300 MHz consistent with structure	Meets specification
Mass spectrum	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 shows one spot under uv	Meets specification: R _f =0.7
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (90 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

25-05-21

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