

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4717	
Compound name	UBP 145	
Chemical name	1-(9-bromophenanthrene-3-carbonyl)piperazine-2,3-dicarboxylic acid	
Batch number	E1419-1-1	
Batch molecular formula	C ₂₁ H ₁₇ BrN ₂ O ₅ ·2H ₂ O	
Batch molecular weight	493.31	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >97% purity	Meets specification: 97.9%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	Beige solid	Meets specification: Beige solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-01-21

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