

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB8172	
Compound name	UBP 1700	
Chemical name	3-[(E)-2-carboxyethenyl]naphthoyl]piperazine-2,3-dicarboxylic acid	
Batch number	E1542-15-17	
Batch molecular formula	C ₂₄ H ₂₀ N ₂ O ₇ ·2.2H ₂ O	
Batch molecular weight	488.06	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 97.6%
NMR	¹ H NMR in D ₂ O/NaOD 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	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in water with 1eq NaOH (50 mM), and in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

18/07/2022

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