

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1477	
Compound name	Actinomycin D (7-AAD)	
Chemical name	2-Amino-(N,N)-1-bis(hexadecahydro-6,13-diisopropyl-2,5,9-trimethyl-1,4,7,11,14-pentaazo-1H-pyrrolo[2,1]-[1,4,7,10,13]oxatetraazacyclohexadecin-10-yl)-4,6-dimethyl-3-oxo-3H-phenoxazine-	
Batch number	E2311-1-1	
Batch molecular formula	C ₆₂ H ₈₈ N ₁₂ O ₁₆ ·6H ₂ O	
Batch molecular weight	1363.52	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.9%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Physical appearance	Orange to red solid	Meets specification: Red solid
Solubility	Soluble in DMSO (50 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

01/08/2023

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