

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-diiisopropyl-2,5,9-trimethyl-1,4,7,11,14-pentaaxo-1H-pyrrolo[2,1]-[1,4,7,10,13]oxatetraazacyclohexadecin-10-yl)-4,6-dimethyl-3-oxo-3H-phenoxazine-	
Batch number	E1399-1-1	
Batch molecular formula	$C_{62}H_{86}N_{12}O_{16} \cdot 3.4H_2O$	
Batch molecular weight	1316.68	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.8%
Microanalysis	Elemental analysis is within 0.5% for the batch molecular formula	Meets specification
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification
Physical appearance	Red solid	Meets specification: Red solid
Solubility	Soluble in DMSO (50 mg/ml)	Meets specification

Produced by

Signature

Passed by

Signature

Date

15-07-20

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