

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0838	
Compound name	Sulforhodamine 101	
Chemical name	9-(2,4-Disulfophenyl)-2,3,6,7,12,13,16,17-octahydro-1H,5H,11H,15H-xantheno[2,3,4-ij:5,6,7-i']diquinolizin-18-ium inner salt	
Batch number	E1601-1-1	
Batch molecular formula	C ₃₁ H ₃₀ N ₂ O ₇ S ₂ ·2.5H ₂ O	
Batch molecular weight	606.71	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	Green solid	Meets specification: Green solid
Solubility	Soluble in water (50 mM) and in DMSO (50 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

09-07-21

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