

Certificate of Analysis



Product Identification		Chemical Structure	
Catalog number	HB0506		
Compound name	Picrotoxin		
Chemical name	Picrotoxin		
Batch number	E1665-1-1		
Batch molecular formula	C ₃₀ H ₃₄ O ₁₃		
Batch molecular weight	602.59		
Method	QC requirement	QC Result	
HPLC	Reverse Phase HPLC shows >98% purity as two isomers	Meets specification: 100%	
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	
Optical rotation	Specific rotation in ethanol measured between -28° and -36°	Meets specification: [α] _D = -30.2° (c=2, ethanol)	
Physical appearance	White to off-white solid	Meets specification: White solid	
Solubility	Soluble in DMSO (100 mM) and in ethanol (50 mM, gentle warming)	Meets specification	

Produced by

Signature

Passed by

Signature

Date

24-09-21

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