

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0896	
Compound name	(+)-Bicuculline	
Chemical name	[R-(R*,S*)]-6-(5,6,7,8-Tetrahydro-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-yl)furo[3,4-e]-1,3-benzodioxol-8(6H)-one	
Batch number	E1867-1-1	
Batch molecular formula	C ₂₀ H ₁₇ NO ₆	
Batch molecular weight	367.36	
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 consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.5
Physical appearance	Yellow to pale yellow solid	Meets specification: Pale yellow solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

15-03-22

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