

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0893	
Compound name	(-)-Bicuculline methiodide	
Chemical name	[R-(R*,S*)]-5-(6,8-Dihydro-8-oxofuro[3,4-e]-1,3-benzodioxol-6-yl)-5,6,7,8-tetrahydro-6,6-dimethyl-1,3-dioxolo[4,5-g]isoquinolinium iodide	
Batch number	E0868-1-3	
Batch molecular formula	C ₂₁ H ₂₉ INO ₆ ·0.25H ₂ O	
Batch molecular weight	513.80	
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 5% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.20
Physical appearance	Off-white to pale yellow solid	Meets specification: Off-white solid
Solubility	Soluble in water (20 mM) and in DMSO (50 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

29-11-18

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