

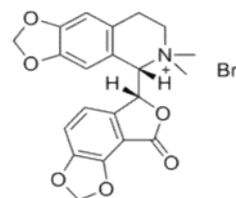
Certificate of Analysis



Product Identification

Catalog number	HB0894
Compound name	(-)-Bicuculline methobromide
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 bromide
Batch number	E0264-5-3
Batch molecular formula	C ₂₁ H ₂₀ BrNO ₆ ·1.5H ₂ O
Batch molecular weight	489.32

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.2%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis confirms structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 2:3 PAW/BuOH shows one spot under uv	Meets specification: R _f =0.45
Physical appearance	White to pale yellow solid	Meets specification: White Solid
Solubility	Soluble in water (50 mM)	Meets specification

Biological validation

Produced by Huw Davies

Signature

Passed by Steve Roome

Signature

Date

09-08-16

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