Certificate of Analysis



Product Identification

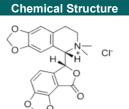
Catalog number

HB0895

Compound name Bicuculline methochloride

tetrahydro-6,6-dimethyl-1,3-dioxolo[4,5-g]isoquinolinium chloride

Batch molecular weight 439.46



Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	1H 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
Optical Rotation	Optical rotation is between -100 and -110	[α]D = -100 (Concentration = 0.5, Solvent = methanol)
TLC	TLC analysis in 5% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.1
Physical appearance	Off-white to yellow solid	Meets specification: Off-white solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by Signature

Passed by Signature

Date 18-05-22

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