Certificate of Analysis



Product Identification

Chemical Structure

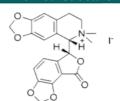
Catalog number HB0893

Compound name (-)-Bicuculline methiodide

 $\label{eq:continuous} $$[R-(R^*,S^*)]-S-(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$ Chemical name

Batch number E2189-1-4 C₂₁H₂₀INO₆.0.5H₂O Batch molecular formula

Batch molecular weight 518.30



QC requirement Method

HPLC Reverse Phase HPLC shows >98% purity 1H NMR in DMSO at 400 MHz consistent with

structure

Electrospray positive analysis consistent with Mass spectrum

structure

Elemental analysis is within 0.4% for the batch Microanalysis

molecular formula

TLC analysis in 5% MeOH/DCM shows one spot

Physical appearance Off-white to pale yellow solid Soluble in water (20 mM) and in DMSO (50 mM) Solubility

QC Result

Meets specification: 100% Meets specification

Meets specification

Meets specification

Meets specification: R_f=0.20

Meets specification: Pale yellow solid

Meets specification

Produced by

Passed by

Signature

Signature

10/03/2023 Date

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