Certificate of Analysis



Product Identification

Chemical Structure

Catalog number HB6124

Compound name Compound 21 dihydrochloride

Chemical name 11-(1-Piperazinyl)-5H-dibenzo[b,e][1,4]diazepine dihydrochloride

E2287-2-1 Batch number

C₁₇H₁₈N₄.2HCI.0.8H₂O Batch molecular formula

Batch molecular weight 365.69

QC requirement Method

Reverse Phase HPLC shows >98% purity 1H NMR in D₂O at 400 MHz consistent with structure

Mass spectrum Electrospray positive analysis consistent with

structure

Microanalysis Elemental analysis is within 0.4% for the batch

molecular formula

TLC analysis in 4:1:1 AcOH:BuOH:water shows one spot under uv

Physical appearance Yellow to pale green solid Soluble in water (100 mM) and in DMSO (100 mM) Solubility

QC Result

Meets specification: 99.5% Meets specification

Meets specification

Meets specification

Meets specification: R_f=0.25

Meets specification: Yellow solid

Meets specification

Produced by

HPLC

Passed by

Signature

Signature

Date

18/10/2023

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