

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6261	
Compound name	JHU37160 dihydrochloride	
Chemical name	8-chloro-11-(4-ethylpiperazin-1-yl)-4-fluoro-5H-dibenzo[b,e][1,4]diazepine dihydrochloride	
Batch number	E1940-3-1	
Batch molecular formula	C ₁₉ H ₂₀ ClFN ₄ ·2HCl·2H ₂ O	
Batch molecular weight	467.80	
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 =0.4
Physical appearance	Orange to yellow solid	Meets specification: Yellow solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

11/08/2022

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