

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6253	
Compound name	JHU37152 dihydrochloride	
Chemical name	8-chloro-11-(4-ethylpiperazin-1-yl)-1-fluoro-5H-dibenzo[b,e][1,4]diazepine dihydrochloride	
Batch number	E0845-6-1	
Batch molecular formula	$C_{19}H_{20}ClFN_4 \cdot 2HCl \cdot H_2O$	
Batch molecular weight	449.78	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.4%
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
TLC	TLC analysis in 5% MeOH/DCM shows one spot under uv	Meets specification: $R_f=0.4$
Physical appearance	Yellow to orange solid	Meets specification: Orange solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

10-08-18

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