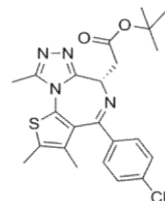


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1448	
Compound name	(+)-JQ1	
Chemical name	(6S)-4-(4-Chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine-6-acetic acid 1,1-dimethylethyl ester	
Batch number	E0766-1-1	
Batch molecular formula	C ₂₃ H ₂₅ ClN ₄ O ₂ S.0.2H ₂ O	
Batch molecular weight	460.59	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.6%
NMR	¹ H NMR in CDCl ₃ 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 100% EtOAc shows one spot under uv	Meets specification: R _f =0.35
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

21-03-18

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