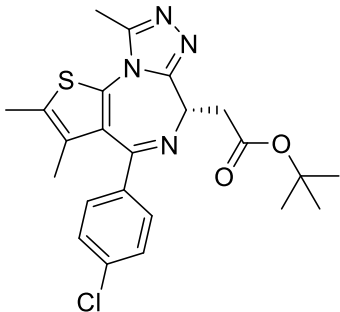




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
406669	(+)-JQ1	A9T04K10

Chemical name	
tert-butyl (S)-2-(4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl)acetate	
Synonyms	
(+)-JQ1; (+)-JQ-1; (+)-JQ 1; Bromodomain Inhibitor	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 406669 Name: (+)-JQ1 CAS#: 1268524-70-4 Lot#: A9T04K10 Chemical Formula: C ₂₃ H ₂₅ ClN ₄ O ₂ S Exact Mass: 456.13867 Molecular Weight: 456.99

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE