BioVision

rev. 06/12

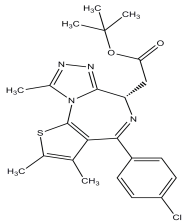
Bromodomain Inhibitor, (+)-JQ1

ALTERNATE NAME: *t*-Butyl-2-((6S)-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

CATALOG #: 2070-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{23}H_{25}ClN_4O_2S$

MOLECULAR WEIGHT: 456.99

CAS NUMBER: 1268524-70-4

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (10 mM)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 ℃. Protect from air and moisture.

DESCRIPTION: Cell-permeable. A potent and highly specific inhibitor for the BET (bromodomain and extra-terminal) family of bromodomains. (+)-JQ1 binds to BRD4 bromodomains 1 and 2 with K_d values of ~ 50 and 90 nM, respectively. The binding is competitive with acetyl lysine. (+)-JQ1 can be a useful chemical probe to investigate the role of BET bromodomains in the transcriptional regulation of oncogenesis.

REFERENCE: Flippakopoulos, P., *et al.* (2010). *Nature* **468,** 1067-1073.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- AMI-1 **(Cat. No. 1943-5, 25)**
- 5-Aza-2'-deoxycytidine **(Cat. No. 1754-10, 50)**
- 3-Deazaneplanocin **(Cat. No. 2060-250, 1000)**
- BIX01294 **(Cat. No. 1678-5, 25)**
- RG108 **(Cat. No. 1679-10, 30)**
- UNC0638 **(cat. No. 1933-1, 5)**

FOR RESEARCH USE ONLY! Not to be used in humans.

BioVision Incorporated
155 S. Milpitas Boulevard, Milpitas, CA 95035 USA

Tel: 408-493-1800 | Fax: 408-493-1801
www.biovision.com | tech@biovision.com