

## Bromodomain Inhibitor, (+)-JQ1

Cat. No. CEI-0409

Lot. No. (See product label)

### Introduction

#### 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<sub>d</sub> 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.

### Product Information

<b>Appearance</b>	Crystalline solid
<b>CAS No.</b>	1268524-70-4
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>25</sub> ClN <sub>4</sub> O <sub>2</sub> S
<b>Chemical Name</b>	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
<b>Molecular Weight</b>	349.43
<b>Purity</b>	>99% by HPLC
<b>Targets</b>	BRD4
<b>Solubility</b>	DMSO

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	RT