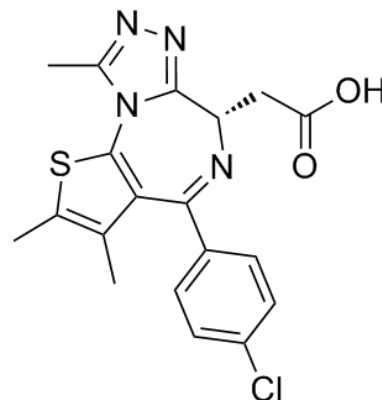


**Product Name** : JQ-1 carboxylic acid  
**Cat. No.** : PC-45994  
**CAS No.** : 202592-23-2  
**Molecular Formula** : C<sub>19</sub>H<sub>17</sub>ClN<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 400.8819  
**Target** : Bromodomain  
**Solubility** : DMSO



## Biological Activity

JQ-1 carboxylic acid is an inhibitor of bromodomain and extra terminal domain (**BET**) family proteins with K<sub>d</sub> of 128, 59.5, 49.0, and 190 nM for JQ1 binding to bromodomains of BRD2, BRD3, BRD4, and BRDT, respectively, blocking their interaction with acetylated histones.

JQ-1 carboxylic acid is a chemical probe to investigate the role of BET bromodomains in the transcriptional regulation of oncogenesis.

## References

Filippakopoulos P, et al. *Nature*. 2010 Dec 23;468(7327):1067-73.

Mertz JA, et al. *Proc Natl Acad Sci U S A*. 2011 Oct 4;108(40):16669-74.

Dawson MA, et al. *Nature*. 2011 Oct 2;478(7370):529-33.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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