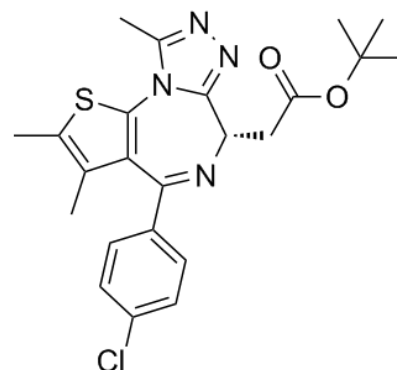


Product Name : JQ1
Cat. No. : PC-43338
CAS No. : 1268524-70-4
Molecular Formula : C₂₃H₂₅ClN₄O₂S
Molecular Weight : 456.9882
Target : Bromodomain
Solubility : DMSO: ≥ 45 mg/mL



Biological Activity

(+)-JQ-1 (JQ1) is a potent, selective, cell-permeable BET bromodomain inhibitor with IC₅₀ of 77 nM/33 nM for BRD4 BD1 and BD2, respectively; induces rapid expression of keratin in treated NMC 797 cells, displaces the BRD4 fusion oncoprotein from chromatin, prompting squamous differentiation and specific antiproliferative effects in BRD4-dependent cell lines and patient-derived xenograft models.

References

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Matzuk MM, et al. Cell. 2012 Aug 17;150(4):673-84.

Peirs S, et al. Leukemia. 2017 Oct;31(10):2037-2047.

Tögel L, et al. Mol Cancer Ther. 2016 Jun;15(6):1217-26.

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

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