

Product Datasheet

(-)-JQ1

Catalog No. **BP-02473** · CAS **1268524-71-5** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0**
· Revision **2026-09-10**

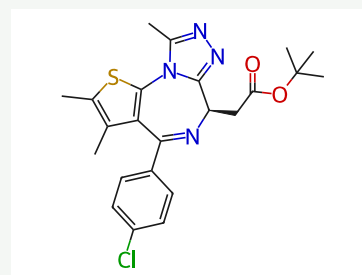
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Target Epigenetic Reader Domain	Research area Cancer
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Molecular formula **C₂₃H₂₅ClN₄O₂S**

Molecular weight **456.9880**

STRUCTURE



DESCRIPTION

(R)-(-)-JQ1 Enantiomer is the stereoisomer of (+)-JQ1. (+)-JQ1 potently decreases expression of both BRD4 target genes, whereas (R)-(-)-JQ1 Enantiomer has no effect.

BIOLOGICAL ACTIVITY

In Vitro

(R)-(-)-JQ1 Enantiomer shows no significant interaction with any bromodomain. Besides, (R)-(-)-JQ1 Enantiomer is comparatively inactive in nuclear protein in testis (NUT) midline carcinoma (NMC).

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1].Filippakopoulos, et al. Selective inhibition of BET bromodomains. Nature. 2010 Dec 23;468(7327):1067-73.
- [2].Mahe M, et al. An FGFR3/MYC positive feedback loop provides new opportunities for targeted therapies in bladder cancers. EMBO Mol Med. 2018 Apr;10(4). pii: e8163.