

Product Datasheet

(R)-JQ1 Acid

Catalog No. **BP-02519** · CAS **202592-24-3** · Form **free base** · Physical state **solid** · Color **Pale-yellow** · Version **1.0** · Revision **2026-09-10**

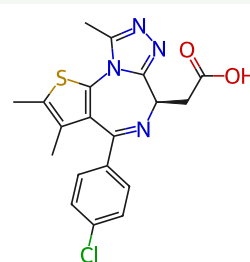
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Target Drug Isomer; Epigenetic Reader Domain; PD-1/PD-L1	Research area Cancer
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Molecular formula **C₁₉H₁₇ClN₄O₂S**

Molecular weight **400.8820**

STRUCTURE



DESCRIPTION

(R)-JQ-1 carboxylic acid, is an isomer of JQ-1 carboxylic acid . JQ-1 carboxylic acid, a (+)-JQ-1 derivative, is a potent BET bromodomain inhibitor. JQ-1 carboxylic acid can be used to synthesize PROTAC, which can target the degradation of BRD4.

BIOLOGICAL ACTIVITY

In Vitro

JQ-1 carboxylic acid downregulates PD-L1 expression on the surface of B16F10 cells.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

[1].Huang Y, et, al. Design, Synthesis, and Evaluation of Trivalent PROTACs Having a Functionalization Site with Controlled Orientation. Bioconjug Chem. 2022 Jan 19;33(1):142-151.

[2].Chen W, et, al. Dual drugs decorated bacteria irradiate deep hypoxic tumor and arouse strong immune responses. Biomaterials. 2022 Jul;286:121582.

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