

Product Datasheet

JQ-1 carboxylic acid

Catalog No. **BP-02507** · CAS **202592-23-2** · Form **free base** · Physical state **solid** · Color **White to yellow** · Version **1.0** · Revision **2026-09-10**

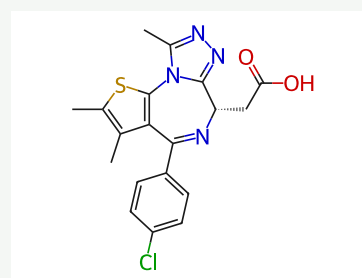
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Target Epigenetic Reader Domain; PD-1/PD-L1; Ligands for Target Protein for PROTAC; Androgen Receptor; Ligands for E3 Ligase	Research area Cancer
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Molecular formula **C₁₉H₁₇ClN₄O₂S**

Molecular weight **400.8820**

STRUCTURE



DESCRIPTION

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

JQ-1 carboxylic acid, a type of (+)-JQ-1 derivative, is a potent BET bromodomain inhibitor for downregulating PD-L1 expression on the surface of tumor cells. JQ-1 carboxylic acid can be used as a precursor to synthesize PROTACs, which targets BET bromodomains.

SOLUBILITY

Soluble in DMSO

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.