

Product Datasheet

MAX-40279 hemiadipate

Catalog No. **BP-02230** · CAS **2388506-44-1** · Form **free base** · Physical state **other** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-03**

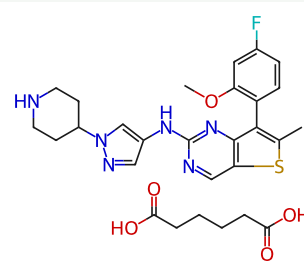
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Target FLT3; FGFR	Research area Inflammation/Immunology; Cancer
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Molecular formula **C₂₈H₃₃FN₆O₅S**

Molecular weight **584.6620**

STRUCTURE



DESCRIPTION

MAX-40279 is a dual and potent inhibitor of FLT3 kinase and FGFR kinase. MAX-40279 has the potential for the research of acute myelogenous leukemia (AML).

BIOLOGICAL ACTIVITY

In Vitro

MAX-40279 (0.5-1 μM, 48 h) hemiadipate impedes EndMT by inhibiting NDRG1 phosphorylation at Ser-330 in HUVECs, MAECs, and MPLECs.

In Vivo

MAX-40279 (12 mg/kg, p.o., once daily for 7 days) hemiadipate is effective in 43% of patient tumor samples in mouse Mini-PDX assay.

MAX-40279 (12 mg/kg, p.o., twice daily for 21-28 days) hemiadipate significantly inhibited tumor growth in MV4-11 and KG-1 cells induced mice xenograft models.

MAX-40279 (7-15 mg/kg, p.o., twice daily for 2-3 weeks) hemiadipate significantly enhances the anti-PD-1 effect in mice breast cancer model.

MAX-40279 (p.o., single dose) hemiadipate has much higher drug concentration in bone marrow than in plasma in SD rats

SOLUBILITY

Soluble in DMSO 25 mg/mL DMF 10 mg/mL

In vitro DMSO : 25 mg/mL DMF : 10 mg/mL

REFERENCES

[1]. Yuguang Wang, et al. Novel Therapeutic Methods. Patent WO2021180032A1.

[2]. Yuguang Wang, et al. Preclinical Evaluation of MAX-40279, a FLT3/FGFR Dual Kinase Inhibitor for Treatment of Acute Myeloid Leukemia, Blood, Volume 132, Supplement 1, 2018.

[3]. Xue Z, et al. PIM1 instigates endothelial-to-mesenchymal transition to aggravate atherosclerosis. Theranostics. 2025 Jan 1;15(2):745-765.

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