Product Datasheet

Zolucatetide

Catalog No. **BP-06727** · CAS **3044032-95-0** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-11-16**

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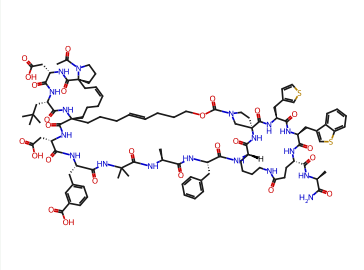
Target	Research area
β-catenin	**Cancer**

Molecular formula	$C_{102}H_{134}N_{18}O_{25}S_2$
Molecular weight	**2076.3910**

STRUCTURE



DESCRIPTION

Zolucatetide is a potent β-catenin inhibitor with an IC50 of <50 nM. Zolucatetide can inhibits β-catenin and T-cell factor (TCF) transcription factor interaction. Zolucatetide shows anticancer effects .

BIOLOGICAL ACTIVITY

In Vitro

Zolucatetide (1-5 μM, 4-24 h) selectively inhibits beta-catenin-driven endogenous gene (SP5, AXIN2) expression in wild-type (WT) HAPI isogenic cells expressing beta-catenin, but not in CTNNB1 knockout (KO) cells[1].

Zolucatetide (24 h) reduces total beta-catenin levels in the nuclear fraction of relevant cells[1].

Zolucatetide (1-10 μM, 24 h) inhibits cell proliferation, and induces cell cycle arrest in target cells[1].

In Vivo

Zolucatetide (30-75 mg/kg, i.p., Q4D) exerts robust, dose-dependent anti-tumor effects in mice bearing COLO320DM colon cancer cell (with APC, TP53 mutations) xenografts[1].

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Brian Halbert WHITE, et al. Stapled peptides and methods thereof. WO2022261257A1.