Product Datasheet

HOIPIN-8 sodium

Catalog No. **BP-02248A** · CAS **2519537-70-1** · Form **salt · sodium** · Physical state **other** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-03**

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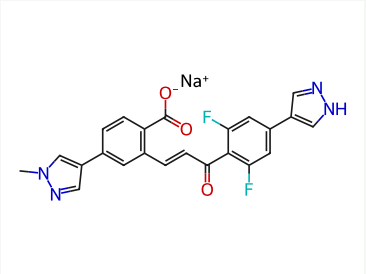
Target	Research area
E1/E2/E3 Enzyme	**Inflammation/Immunology**

Molecular formula	$C_{23}H_{15}F_2N_4NaO_3$
Molecular weight	**456.3768**

STRUCTURE



DESCRIPTION

HOIPIN-8 is a potent inhibitor of linear ubiquitin chain assembly complex (LUBAC) with an IC50 of 11 nM. HOIPIN-8 is a HOIPIN-1 derivative. HOIPIN-1 is a promising tool to explore the cellular functions of LUBAC.

BIOLOGICAL ACTIVITY

In Vitro

HOIPIN-8 (0-100 μM; 72 hours) has little cell toxicity on A549 cells, and exhibits an IC50 value of 100 μM.

HOIPIN-8 (0-10 μM; 24 hours) has an inhibitory effect over 10-fold enhancement over that of HOIPIN-1 on NF-κB activation, exhibits an IC50 value of 0.42 μM in HEK293T cells.

HOIPIN-8 (0-30 μM; NF-κB luciferase reporter is transfected into cells for 18 hours; then with 10 ng/ml TNF-α for 6 h) exhibits a 4-fold enhancements of the potency than HOIPIN-1, the IC50 value is 11.9 μM. It also effectively reduces IL-1β-induced expression of NF-κB target genes, such as ICAM1 and IL-6 as compared to HOIPIN-1.

SOLUBILITY

Soluble in DMSO

In vitro	DMSO : 50 mg/mL

REFERENCES

[1]. Ken Katsuya, et al. Small-molecule Inhibitors of Linear Ubiquitin Chain Assembly Complex (LUBAC), HOIPINs, Suppress NF-κB Signaling. Biochem Biophys Res Commun. 2019 Feb 12;509(3):700-706.