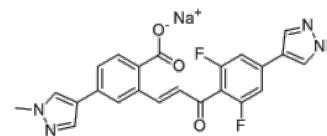


Product Name : HOIPIN-8
Cat. No. : PC-35959
CAS No. : 2519537-70-1
Molecular Formula : C₂₃H₁₅F₂N₄NaO₃
Molecular Weight : 456.385
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

HOIPIN-8 (HOIP inhibitor-8) is a potent chemical inhibitor of linear ubiquitin chain assembly complex (**LUBAC**, IC₅₀=11 nM), specifically generates Met1-linked linear ubiquitin chains through the ubiquitin ligase activity in **HOIP**, and activates the NF-κB pathway.

HOIPIN-8 suppresses the linear ubiquitination activity by recombinant LUBAC, displays 255-fold increased potency over that of HOIPIN-1 (JTP-0819958, IC₅₀=2.8 μM).

HOIPIN-8 also shows 10-fold and 4-fold enhanced inhibitory activities on LUBAC- and TNF-α-induced NF-κB activation respectively, without cytotoxicity.

HOIPIN-8 is a powerful tool to explore the physiological functions of LUBAC.

References

Katsuya K, et al. *Biochem Biophys Res Commun*. 2019 Jan 2. pii: S0006-291X(18)32846-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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