

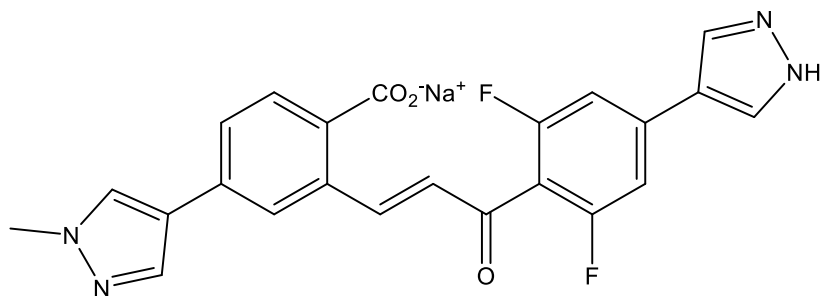
Catalog # 10-5642

HOIPIN-8

CAS# 2519537-70-1

(E)-2-(3-(2,6-difluoro-4-(1H-pyrazol-4-yl)phenyl)-3-oxoprop-1-en-1-yl)-4-(1-methyl-1H-pyrazol-4-yl)benzoate, sodium salt

Lot # E108444



HOIPIN-8 is a potent inhibitor of the linear ubiquitin chain assembly complex (LUBAC), $IC_{50}=11$ nM.¹ HOIPIN-8 suppresses proinflammatory cytokine-induced canonical NF- κ B pathway as well as various pathogen-associated molecular pattern-induced antiviral pathways.² It is a useful tool to assist in unraveling the physiological functions of LUBAC.^{3,4}

- 1) Katsuya *et al.* (2019), *Small-molecule inhibitors of linear ubiquitin chain assembly complex (LUBAC), HOIPINs, suppress NF- κ B signaling*; Biochem. Biophys. Res. Commun. **509** 700
- 2) Oikawa *et al.* (2020), *Molecular bases for HOIPINs-mediated inhibition of LUBAC and innate immune responses*; Commun. Biol. **3** 163
- 3) Hoshino *et al.* (2024), *RNF31 promotes proliferation and invasion of hepatocellular carcinoma via nuclear factor kappaB activation*; Sci. Rep. **14** 346
- 4) Hua *et al.* (2021), *Linear Ubiquitination Mediates EGFR-Induced NF- κ B Pathway and Tumor Development*; Int. J. Mol. Sci. **22** 11875

PHYSICAL DATA

Molecular Weight:	456.38
Molecular Formula:	C ₂₃ H ₁₅ F ₂ N ₄ O ₃ ·Na
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (50 mg/ml)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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