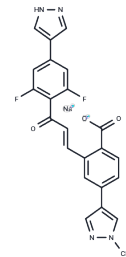


HOIPIN-8 sodium

Chemical Properties

CAS No. :	2519537-70-1
Formula:	C ₂₃ H ₁₅ F ₂ N ₄ NaO ₃
Molecular Weight:	456.38
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	HOIPIN-8 is a potent inhibitor of the linear ubiquitin chain assembly complex (LUBAC) with an IC ₅₀ of 11 nM. As a derivative of HOIPIN-1, it exhibits 255-fold greater inhibition of both petit-LUBAC and TNF- α -mediated NF- κ B activation compared to HOIPIN-1. HOIPIN-8 is a promising tool to explore cellular functions of LUBAC.
Targets(IC ₅₀)	E1/E2/E3 Enzyme,I κ B/IKK

Solubility Information

Solubility	DMSO: 80 mg/mL (175.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.38 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1912 mL	10.9558 mL	21.9116 mL
5 mM	0.4382 mL	2.1912 mL	4.3823 mL
10 mM	0.2191 mL	1.0956 mL	2.1912 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Li J, Liu S, Li S. Mechanisms underlying linear ubiquitination and implications in tumorigenesis and drug discovery. *Cell Commun Signal*. 2023 Nov 28;21(1):340.

Zhang Q, Terawaki S, Oikawa D, Okina Y, Usuki Y, Ito H, Tokunaga F. Suppression of Linear Ubiquitination Ameliorates Cytoplasmic Aggregation of Truncated TDP-43. *Cells*. 2022 Aug 3;11(15):2398.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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