

HOIPIN-1

Chemical Properties

CAS No. : 2470242-33-0

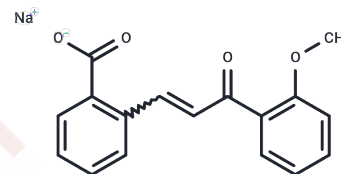
Formula: C₁₇H₁₃NaO₄

Molecular Weight: 304.27

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	HOIPIN-1 (JTP 0819958) is a selective inhibitor of the linear ubiquitin chain assembly complex (LUBAC) (IC ₅₀ = 2.8 μM) that inhibits LUBAC-mediated NF-κB activation and can be used to study immune and inflammatory responses.
Targets(IC50)	IκB/IKK
In vitro	HOIPIN-1 (JTP 0819958) inhibited the linear polyubiquitination activity by the HOIL-1L/HOIP complex, the HOIL-1L/HOIP/SHARPIN complex, and the HOIP/SHARPIN complex equally, with IC ₅₀ values of 4.4, 3.5, and 3.7 μM. The inhibitory effects of JTP-0819958 on LUBAC-mediated linear ubiquitin generation and inflammatory cytokine-induced NF-κB activation were confirmed in cellular levels.

Solubility Information

Solubility	DMSO: 3.05 mg/mL (10.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2866 mL	16.4328 mL	32.8655 mL
5 mM	0.6573 mL	3.2866 mL	6.5731 mL
10 mM	0.3287 mL	1.6433 mL	3.2866 mL
50 mM	0.0657 mL	0.3287 mL	0.6573 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

Ken, Katsuya, Yuji, et al. High-Throughput Screening for Linear Ubiquitin Chain Assembly Complex (LUBAC) Selective Inhibitors Using Homogenous Time-Resolved Fluorescence (HTRF)-Based Assay System.[J]. SLAS discovery : advancing life sciences R & D, 2018.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481