

IL-15-IN-1

Chemical Properties

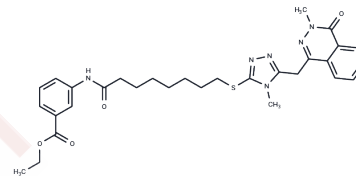
CAS No. : 1831830-20-6

Formula: C₃₀H₃₆N₆O₄S

Molecular Weight: 576.71

Appearance: no data available

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



Biological Description

Description	IL-15-IN-1 is a selective and potent Interleukin 15 (IL-15) inhibitor, effectively inhibiting the proliferation of IL-15-dependent cells (IC ₅₀ : 0.8 μM).
Targets(IC ₅₀)	IL Receptor, Interleukin

Solubility Information

Solubility	DMSO: 122 mg/mL (211.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.734 mL	8.6699 mL	17.3397 mL
5 mM	0.3468 mL	1.734 mL	3.4679 mL
10 mM	0.1734 mL	0.867 mL	1.734 mL
50 mM	0.0347 mL	0.1734 mL	0.3468 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.

Reference

Quémener A, et al. Discovery of a Small-Molecule Inhibitor of Interleukin 15: Pharmacophore-Based Virtual Screening and Hit Optimization. J Med Chem. 2017 Jul 27;60(14):6249-6272.

Zhang Y, Zhao L, Wu A, et al. Abnormal M1 polarization of placental macrophage induced by IL-15/STAT5 activation in VVC may lead to adverse pregnancy outcomes. Microbes and Infection. 2023: 105232.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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