

5-OP-RU

Chemical Properties

CAS No. : 2408493-91-2

Formula: C₁₂H₁₈N₄O₇

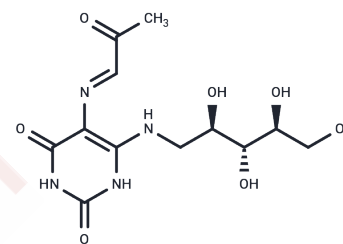
Molecular Weight: 330.3

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	5-OP-RU is a MAIT-activating ligand, the major antigen of MAIT cells, a mucosal adjuvant, induces efficient enrichment of mucosal-associated invariant T cells, and can be used to study Mycobacterium tuberculosis infections.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (302.76 mM), Sonication is recommended. (H ₂ O can inactivate 5-OP-RU's activity) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0276 mL	15.1378 mL	30.2755 mL
5 mM	0.6055 mL	3.0276 mL	6.0551 mL
10 mM	0.3028 mL	1.5138 mL	3.0276 mL
50 mM	0.0606 mL	0.3028 mL	0.6055 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

Legoux F, et al. Microbial metabolites control the thymic development of mucosal-associated invariant T cells. Science. 2019 Oct 25;366(6464):494-499.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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