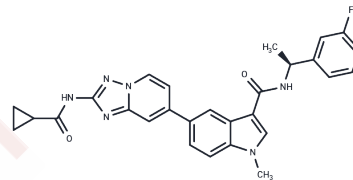


## RIPK1-IN-19

## Chemical Properties

CAS No. :	2763831-43-0
Formula:	C <sub>28</sub> H <sub>25</sub> FN <sub>6</sub> O <sub>2</sub>
Molecular Weight:	496.54
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	RIPK1-IN-19 is a selective and potent bimodal RIPK1 inhibitor with IC <sub>50</sub> =15 nM that protects against cell necrosis and works well in the tnf $\alpha$ -induced Systemic Inflammatory Response Syndrome (SIRS) model and imiquimod (IMQ)-induced psoriasis model.
Targets(IC <sub>50</sub> )	RIP kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0139 mL	10.0697 mL	20.1394 mL
5 mM	0.4028 mL	2.0139 mL	4.0279 mL
10 mM	0.2014 mL	1.007 mL	2.0139 mL
50 mM	0.0403 mL	0.2014 mL	0.4028 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

Zhang L, Li Y, Tian C, Yang R, Wang Y, Xu H, Zhu Q, Chen S, Li L, Yang S. From Hit to Lead: Structure-Based Optimization of Novel Selective Inhibitors of Receptor-Interacting Protein Kinase 1 (RIPK1) for the Treatment of Inflammatory Diseases. *J Med Chem.* 2024 Jan 11;67(1):754-773.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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