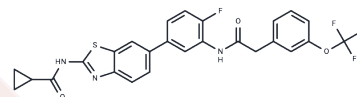


## RIPK1-IN-17

## Chemical Properties

CAS No. : 3033385-59-7  
 Formula: C<sub>26</sub>H<sub>19</sub>F<sub>4</sub>N<sub>3</sub>O<sub>3</sub>S  
 Molecular Weight: 529.51  
 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-17 is a dual inhibitor of RIPK1 and RIPK3 that specifically inhibits necrosis by inhibiting phosphorylation of RIPK1, RIPK3 and MLKL, protecting mice from hypothermia and death in a tnf-induced inflammation model.
Targets(IC50)	RIP kinase

## Solubility Information

Solubility	DMSO: 40 mg/mL (75.54 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	1.8885 mL	9.4427 mL	18.8854 mL
5 mM	0.3777 mL	1.8885 mL	3.7771 mL
10 mM	0.1889 mL	0.9443 mL	1.8885 mL
50 mM	0.0378 mL	0.1889 mL	0.3777 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

Degterev A, Ofengeim D, Yuan J. Targeting RIPK1 for the treatment of human diseases. Proc Natl Acad Sci U S A. 2019 May 14;116(20):9714-9722.

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