

## RIPK1-IN-9

## Chemical Properties

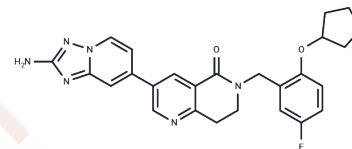
CAS No. : 2682889-57-0

Formula: C<sub>26</sub>H<sub>25</sub>FN<sub>6</sub>O<sub>2</sub>

Molecular Weight: 472.51

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-9 is a potent and selective inhibitor of RIPK1, a dihydronaphthone compound, which inhibits U937 and L929 cells with an IC <sub>50</sub> of 2 nM and 1.3 nM, respectively.
Targets(IC <sub>50</sub> )	RIP kinase

## Solubility Information

Solubility	DMSO: 4.73 mg/mL (10.01 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	2.1164 mL	10.5818 mL	21.1636 mL
5 mM	0.4233 mL	2.1164 mL	4.2327 mL
10 mM	0.2116 mL	1.0582 mL	2.1164 mL
50 mM	0.0423 mL	0.2116 mL	0.4233 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

Fusheng Zhou, et al. Dihydronaphthiridone compounds, their preparation and pharmaceutical uses.  
WO2021160109A1.

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