

## RIG-1 modulator 1

## Chemical Properties

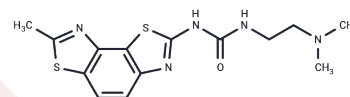
CAS No. : 1428729-63-8

Formula: C<sub>14</sub>H<sub>17</sub>N<sub>5</sub>O<sub>2</sub>S

Molecular Weight: 335.45

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	RIG-1 modulator 1 is an effective RIG-1 agonist. It induces IFN- $\beta$ expression via innate immune activation, used for antiviral and immuno-oncology research.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 28 mg/mL (83.47 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	2.9811 mL	14.9054 mL	29.8107 mL
5 mM	0.5962 mL	2.9811 mL	5.9621 mL
10 mM	0.2981 mL	1.4905 mL	2.9811 mL
50 mM	0.0596 mL	0.2981 mL	0.5962 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

Shawn P. Iadonato, et al. Anti-viral compounds, pharmaceutical compositions, and methods of use thereof . WO 2015172099 A1.

Boebel KP, Baker DH. Comparative utilization of the  $\alpha$ -keto and D- and L- $\alpha$ -hydroxy analogs of leucine, isoleucine and valine by chicks and rats. The Journal of nutrition. 1982 Oct 1;112(10):1929-39.

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