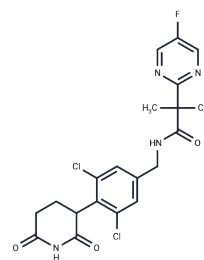


## NLRP3 modulator 8

## Chemical Properties

CAS No. :	3069891-88-6
Formula:	C <sub>20</sub> H <sub>19</sub> Cl <sub>2</sub> FN <sub>4</sub> O <sub>3</sub>
Molecular Weight:	453.3
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	NLRP3 modulator 8 (Compound 14) is an NLRP3 regulator that can significantly degrade the NEK7 protein (DC50 = 9 nM). In macrophages, NLRP3 modulator 8 can inhibit the activity of caspase-1 in a dose-dependent manner and reduce the release of IL-1 $\beta$ triggered by the activation of the NLRP3 inflammasome. NLRP3 modulator 8 is applicable for the research of various diseases, including autoinflammatory and autoimmune diseases, neurodegenerative diseases, as well as cardiovascular and metabolic-related diseases, etc.
Targets(IC50)	NOD

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.206 mL	11.0302 mL	22.0604 mL
5 mM	0.4412 mL	2.206 mL	4.4121 mL
10 mM	0.2206 mL	1.103 mL	2.206 mL
50 mM	0.0441 mL	0.2206 mL	0.4412 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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