

## NEK7 degrader-1

## Chemical Properties

CAS No. :	3069891-91-1
Formula:	C <sub>21</sub> H <sub>22</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	449.33
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	NEK7degrader-1 (Compound 17) is a NEK7 degrader with a DC50 of 0.1 nM. It inhibits caspase-1 activity and IL-1 $\beta$ release in macrophages in a dose-dependent manner in response to NLRP3 inflammasome activation. NEK7degrader-1 is useful for researching autoinflammatory and autoimmune diseases (like multiple sclerosis), neurodegenerative disorders (such as Alzheimer's disease), and cardiovascular and pigment diseases (including pericarditis and type 2 diabetes).
Targets(IC50)	Caspase,NOD-like Receptor (NLR)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2255 mL	11.1277 mL	22.2554 mL
5 mM	0.4451 mL	2.2255 mL	4.4511 mL
10 mM	0.2226 mL	1.1128 mL	2.2255 mL
50 mM	0.0445 mL	0.2226 mL	0.4451 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.

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