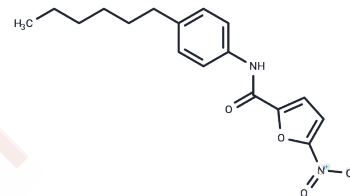


## STING-IN-3

## Chemical Properties

CAS No. :	2244881-69-2
Formula:	C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	316.35
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	STING-IN-3 (C-171) is an inhibitor of stimulator of interferon genes (STING). It binds to STING, inhibits its palmitoylation, and prevents the recruitment and phosphorylation of TBK1.
Targets(IC50)	STING
In vitro	C-171 binds to STING, inhibits its palmitoylation, and prevents the recruitment and phosphorylation of TBK1. It selectively reduces human and mouse STING-, but not RIG-I or TBK1-, mediated IFN-β reporter activity in HEK293 cells when used at concentrations ranging from 0.02 to 2 μM[1].

## Solubility Information

Solubility	DMSO: 3.17 mg/mL (10.02 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	3.1611 mL	15.8053 mL	31.6106 mL
5 mM	0.6322 mL	3.1611 mL	6.3221 mL
10 mM	0.3161 mL	1.5805 mL	3.1611 mL
50 mM	0.0632 mL	0.3161 mL	0.6322 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

Simone M Haag , Muhammet F Gulen , Luc Reymond et al. Targeting STING with covalent small-molecule inhibitors [J]. Nature, 2018.

Zhang H , You Q D , Xu X L . Targeting Stimulator of Interferon Genes (STING): A Medicinal Chemistry Perspective[J]. Journal of Medicinal Chemistry, 2019, XXXX(XXX).

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