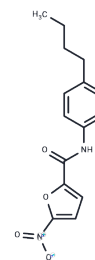


STING-IN-2

Chemical Properties

CAS No. :	346691-38-1
Formula:	C ₁₅ H ₁₆ N ₂ O ₄
Molecular Weight:	288.3
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	STING-IN-2 (C-170) is a potent, covalent inhibitor of STING, effectively targeting both mouse (mmSTING) and human STING (hsSTING), and is applicable for autoinflammatory disease research.
Targets(IC50)	STING
In vitro	In THP-1 cells, pretreated with STING-IN-2 (C-170; 0.5 μM) and stimulated with cGAMP, STING-IN-2 (C-170) treatment decreases the IFNβ1 and TNF mRNA levels, and also reduces the p-TBK1 levels

Solubility Information

Solubility	DMSO: 85 mg/mL (294.83 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	3.4686 mL	17.343 mL	34.6861 mL
5 mM	0.6937 mL	3.4686 mL	6.9372 mL
10 mM	0.3469 mL	1.7343 mL	3.4686 mL
50 mM	0.0694 mL	0.3469 mL	0.6937 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, et al. Targeting STING with covalent small-molecule inhibitors. Nature. 2018 Jul;559(7713):269-273.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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