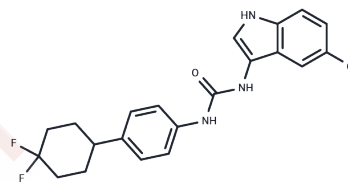


STING-IN-11

Chemical Properties

CAS No. :	2925028-15-3
Formula:	C ₂₁ H ₂₀ ClF ₂ N ₃ O
Molecular Weight:	403.85
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-11 (Compound 42) is a potent, orally bioavailable STING inhibitor ($IC_{50} = 37.8$ nM) that blocks STING protein palmitoylation and downstream signaling, thereby inhibiting STING-mediated inflammation.
Targets(IC_{50})	STING

Solubility Information

Solubility	DMSO: 80.00 mg/mL (198.09 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	2.4762 mL	12.3808 mL	24.7617 mL
5 mM	0.4952 mL	2.4762 mL	4.9523 mL
10 mM	0.2476 mL	1.2381 mL	2.4762 mL
50 mM	0.0495 mL	0.2476 mL	0.4952 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

Han X, et al. Discovery of an Orally Bioavailable STING Inhibitor with In Vivo Anti-Inflammatory Activity in Mice with STING-Mediated Inflammation. J Med Chem. 2025 Feb 13;68(3):2963-2980.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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