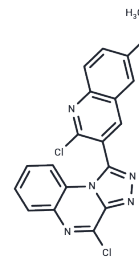


STING Agonist 1a

Chemical Properties

CAS No. :	652142-94-4
Formula:	C ₁₉ H ₁₁ Cl ₂ N ₅ O
Molecular Weight:	396.23
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 agonist 1a is an agonist of stimulator of interferon genes (STING). It induces expression of an IRF-inducible SEAP reporter gene in a cell-based assay (EC ₅₀ = 16.77 μM). STING agonist 1a (12.5-100 μM) induces expression of IFN-β, IL-6, and chemokine (C-X-C motif) ligand 10 (CXCL10) in THP-1 cells, an effect that can be reversed by STING knockout or the STING inhibitor H-151.
Targets(IC50)	Others, STING

Solubility Information

Solubility	PBS (pH 7.2): Slightly soluble DMF: Slightly soluble DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5238 mL	12.6189 mL	25.2379 mL
5 mM	0.5048 mL	2.5238 mL	5.0476 mL
10 mM	0.2524 mL	1.2619 mL	2.5238 mL
50 mM	0.0505 mL	0.2524 mL	0.5048 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

Hou, H., Yang, R., Liu, X., et al. Discovery of triazoloquinoxaline as novel STING agonists via structure-based virtual screening *Bioorg. Chem.* 100103958(2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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