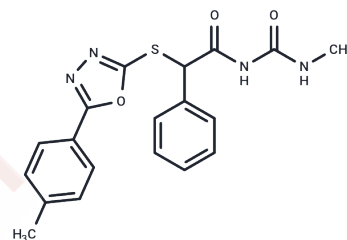


STING Agonist C11

Chemical Properties

CAS No. :	875863-22-2
Formula:	C ₁₉ H ₁₈ N ₄ O ₃ S
Molecular Weight:	382.44
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 C11 is an agonist of the stimulator of interferon genes (STING) pathway. It induces secretion of type I IFN from THF and MM6 cells when used at a concentration of 50 μ M. STING agonist C11 induces phosphorylation of IFN regulatory factor 3 (IRF3) and increases expression of IFIT1 and viperin, but not IL-1 β , IL-6, or IL-8 in THF cells in a STING-dependent manner. It reduces viral titers of chikungunya, Venezuelan equine encephalitis, o'nyong-nyong, Mayaro, and Ross River viruses grown in THF cells (EC90s = 16.44, 16.7, 18.84, 25.19, and 22.57 μ M, respectively), an effect that is dependent on the presence of STING and the IFN- α/β receptor (IFNAR).
Targets(IC50)	Others,STING

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6148 mL	13.0739 mL	26.1479 mL
5 mM	0.523 mL	2.6148 mL	5.2296 mL
10 mM	0.2615 mL	1.3074 mL	2.6148 mL
50 mM	0.0523 mL	0.2615 mL	0.523 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

Gall, B., Pryke, K., Abraham, J., et al. Emerging alphaviruses are sensitive to cellular states induced by a novel small-molecule agonist of the STING pathway. *J. Virol.* 92(6), e01913-01917 (2018).

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481