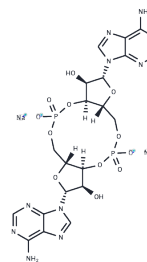


c-di-AMP disodium

Chemical Properties

CAS No. :	2734909-87-4
Formula:	C ₂₀ H ₂₂ N ₁₀ Na ₂ O ₁₂ P ₂
Molecular Weight:	702.38
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	Cyclic diadenylate (c-di-AMP) sodium functions as a STING agonist by binding to the STING transmembrane protein, thus activating the TBK3-IRF3 signaling pathway. This activation prompts the production of type I IFN and TNF. Additionally, c-di-AMP sodium serves as a bacterial second messenger in Gram-positive bacteria, where it plays crucial roles in regulating cell growth, survival, and virulence, as well as the host immune response. It also acts as a potent mucosal adjuvant by stimulating both humoral and cellular responses [1] [2] [3] [4].
Targets(IC50)	Others,Endogenous Metabolite,Antibacterial,STING

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4237 mL	7.1187 mL	14.2373 mL
5 mM	0.2847 mL	1.4237 mL	2.8475 mL
10 mM	0.1424 mL	0.7119 mL	1.4237 mL
50 mM	0.0285 mL	0.1424 mL	0.2847 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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