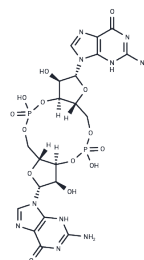


Cyclic-di-GMP

Chemical Properties

CAS No. :	61093-23-0
Formula:	C ₂₀ H ₂₄ N ₁₀ O ₁₄ P ₂
Molecular Weight:	690.41
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-di-GMP, a STING agonist and ubiquitous second messenger, regulates biofilm formation, motility, and virulence in various bacterial species.
Targets(IC50)	Others,Endogenous Metabolite,STING

Solubility Information

Solubility	H ₂ O: 25 mg/mL (36.21 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	1.4484 mL	7.2421 mL	14.4841 mL
5 mM	0.2897 mL	1.4484 mL	2.8968 mL
10 mM	0.1448 mL	0.7242 mL	1.4484 mL
50 mM	0.029 mL	0.1448 mL	0.2897 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

- Nakamura T, et al. Liposomes loaded with a STING pathway ligand, cyclic di-GMP, enhance cancer immunotherapy against metastatic melanoma. *J Control Release*. 2015 Oct 28;216:149-57.
- Burdette DL, et al. STING is a direct innate immune sensor of cyclic di-GMP. *Nature*. 2011 Sep 25;478(7370):515-8.

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