

3'3'-cGAMP (sodium salt)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	3'3'-cGAMP is a second messenger produced in bacteria by specific dinucleotide cyclases. It contains canonical 3'5'-phosphodiester bonds and regulates chemotaxis, colonization, and other cellular functions. 3'3'-cGAMP shows weaker binding to the adapter protein stimulator of interferon genes (STING; Kd = 1.04 μ M) than 2'2'-cGAMP and 2'3'-cGAMP but has similar binding affinity to 3'2'-cGAMP (Kd = 1.61 μ M) and cyclic di-GMP . 3'3'-cGAMP induces IFN- β mRNA expression in L929 cells (EC50 = 40.5 nM).
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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