



LKT Laboratories, Inc.

cGAMP Disodium [STING Ligand]

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Product Information

Product ID G0250

CAS No. 849214-04-6 (free acid)

Chemical Name 3',3'-cGAMP disodium

Synonym cyclic (adenosine monophosphate-guanosine monophosphate), cyclic GMP-AMP, c-(GpAp), 3',3'-cGAMP

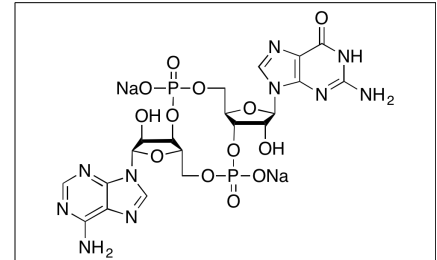
Formula C₂₀H₂₄N₁₀O₁₃P₂ · Na₂

Formula Wt. 718.37

Melting Point

Purity ≥98%

Solubility Soluble in water.



Pricing and Availability

Bulk quantities available upon request

| Product ID | Size | List Price |
|------------|--------|------------|
| G0250 | 100 µg | \$156.00 |
| G0250 | 500 µg | \$451.00 |

Store Temp -20° C

Ship Temp Ambient

Description cGAMP is a cyclic dinucleotide that functions as an endogenous second messenger that detects cytosolic DNA and induces STING-dependent interferon type 1 responses. cGAMP exhibits immunostimulatory activity and acts as an adjuvant. This compound enhances adaptive immune responses by increasing antigen-specific IgG levels in vivo.

References Ma F, Li B, Liu SY, et al. Positive feedback regulation of type I IFN production by the IFN-inducible DNA sensor cGAS. *J Immunol.* 2015 Feb 15;194(4):1545-54. PMID: 25609843.

Škrnjug I, Guzmán CA, Rueckert C. Cyclic GMP-AMP displays mucosal adjuvant activity in mice. *PLoS One.* 2014 Oct 8;9(10):e110150. Erratum in: *PLoS One.* 2015;10(3):e0123605. Ruecker, Christine [corrected to Rueckert, Christine]. PMID: 25295996.

Wu J, Sun L, Chen X, et al. Cyclic GMP-AMP is an endogenous second messenger in innate immune signaling by cytosolic DNA. *Science.* 2013 Feb 15;339(6121):826-30. PMID: 23258412.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.