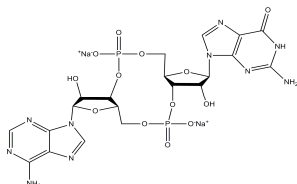


PRODUCT: cGAMP disodium salt**ALTERNATE NAME:** Cyclic (Adenosine Monophosphate-Guanosine Monophosphate); cyclic GMP-AMP; c-(GpAp)**CATALOG #:** 2435-100**AMOUNT:** 100 µg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₂₂N₁₀O₁₃P₂ · 2Na**MOLECULAR WEIGHT:** 718.37**CAS No.** 849214-04-6 (free acid)**APPEARANCE:** Crystalline solid**Solubility:** Water**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C.**DESCRIPTION:** A potent STING ligand. Second messenger in human and mouse cells that triggers interferon production in response to cytosolic DNA. Binding to STING leads to activation of IRF3 (IFN regulatory factor 3) and the induction of interferon-β. Plays a role in bacterial chemotaxis and colonization.**REFERENCES:** Zhang, X., *et al.* (2013). *Mol. Cell* **51**, 226-235.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

cAMP Antibody (**Cat. No. 3567-100**)
cAMP Direct Immunoassay Kit (Colorimetric) (**K371-100**)
8-Br-cAMP (**Cat. No. 1837-5, 25**)
cGMP Antibody (**Cat. No. 3568-100**)
cGMP Direct Immunoassay Kit (Colorimetric) (**K372-100**)
8-Br-cGMP (**Cat. No. 1838-5, 25**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**