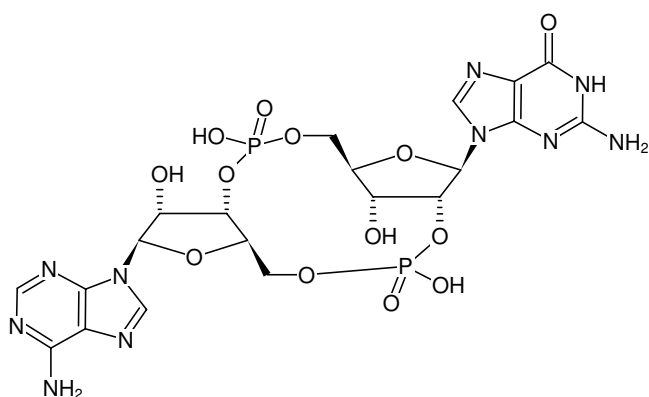


**2',3'-cGAMP**

cyclic-[G(2',5')pA(3',5')p]

Cyclic-(guanosine-(2'→5')-monophosphate-adenosine-(3'→5')-monophosphate), Sodium salt

Cat. No.	Amount
NU-249S	1 µmol
NU-249L	5 x 1 µmol



Structural formula of 2',3'-cGAMP

**For general laboratory use.****Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

**Shelf Life:** 12 months after date of delivery**Molecular Formula:** C<sub>20</sub>H<sub>24</sub>N<sub>10</sub>O<sub>13</sub>P<sub>2</sub> (free acid)**Molecular Weight:** 674.42 g/mol (free acid)**Exact Mass:** 674.10 g/mol (free acid)**Purity:** ≥ 95 % (HPLC)**Form:** solid**Color:** white to off-white**Spectroscopic Properties:** λ<sub>max</sub> 260 nm, ε 25.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)**Selected References:**Li *et al.* (2018) The cGAS–cGAMP–STING pathway connects DNA damage to inflammation, senescence, and cancer. *J. Exp. Med.* **215** (5):1287.Li *et al.* (2016) Antitumor activity of cGAMP via stimulation of cGAS–cGAMP–STING–IRF3 mediated innate immune response. *Nature Scientific Reports* **6**:19049.Tao *et al.* (2016) cGAS–cGAMP–STING: The three musketeers of cytosolic DNA sensing and signaling. *IUBMB Life* **68** (11):858.Temizoz *et al.* (2015) TLR9 and STING agonists synergistically induce innate and adaptive type-II IFN. *Eur. J. Immunol.* **45**:1159.