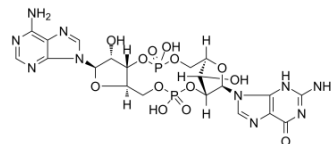


## 2',3'-cGAMP

Cat. No.:	HY-100564
CAS No.:	1441190-66-4
Molecular Formula:	C <sub>20</sub> H <sub>24</sub> N <sub>10</sub> O <sub>13</sub> P <sub>2</sub>
Molecular Weight:	674.41
Target:	Endogenous Metabolite; STING; IFNAR
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	2',3'-cGAMP (2'-3'-cyclic GMP-AMP) is an endogenous cGAMP in mammalian cells. 2',3'-cGAMP binds to STING with a high affinity and is a potent inducer of interferon-β (IFNβ). 2',3'-cGAMP is produced in mammalian cells in response to DNA in the cytoplasm <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite
<b>In Vitro</b>	2',3'-cGAMP (2'-3'-cyclic GMP-AMP) contains two distinct phosphodiester linkages, one between 2'-OH of GMP and 5'-phosphate of AMP, and the other between 3'-OH of AMP and 5'-phosphate of GMP <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Zhang X, et al. Cyclic GMP-AMP containing mixed phosphodiester linkages is an endogenous high-affinity ligand for STING. Mol Cell. 2013 Jul 25;51(2):226-35.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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