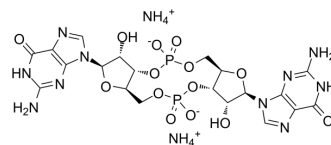


Cyclic-di-GMP diammonium

Cat. No.:	HY-107780B		
CAS No.:	609343-82-0		
Molecular Formula:	C ₂₀ H ₃₀ N ₁₂ O ₁₄ P ₂		
Molecular Weight:	724.47		
Target:	STING; Endogenous Metabolite		
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description Cyclic di-GMP (c-di-GMP) diammonium is a STING activator and a global bacterial second messenger, which regulates biofilm formation, motility, and virulence in diverse bacterial species^{[1][2]}.

IC₅₀ & Target Human Endogenous Metabolite

CUSTOMER VALIDATION

- Mbio. 2021 Oct 26;12(5):e0119221.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Wang Z, et al. STING activator c-di-GMP enhances the anti-tumor effects of peptide vaccines in melanoma-bearing mice. *Cancer Immunol Immunother.* 2015;64(8):1057-1066.
- [2]. Burdette DL, et al. STING is a direct innate immune sensor of cyclic di-GMP. *Nature.* 2011 Sep 25;478(7370):515-8.

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

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