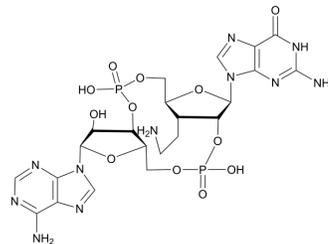


CDN-A

Cat. No.:	HY-148420
CAS No.:	2586047-09-6
Molecular Formula:	C ₂₂ H ₂₉ N ₁₁ O ₁₂ P ₂
Molecular Weight:	701.48
Target:	STING
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

CDN-A is a cyclic di-nucleotide, it can be used to synthesis antibody-drug conjugate (ADC). Cyclic di-nucleotides are potent stimulators of innate and adaptive immune responses. In humans, cyclic di-nucleotide, which are either produced endogenously in response to foreign DNA or by invading bacterial pathogens, trigger the innate immune system by activating the expression of interferon genes^{[1][2][3]}.

REFERENCES

- [1]. Chen, Zhijian, et al. Antinbody-sting agonist conjugates and their use in immunotherapy. US 2021/0015941 A1. 2021.
- [2]. Lirussi D, et al. Type I IFN and not TNF, is Essential for Cyclic Di-nucleotide-elicited CTL by a Cytosolic Cross-presentation Pathway. EBioMedicine. 2017 Aug;22:100-111.
- [3]. Schaap P. Cyclic di-nucleotide signaling enters the eukaryote domain. IUBMB Life. 2013 Nov;65(11):897-903.

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

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