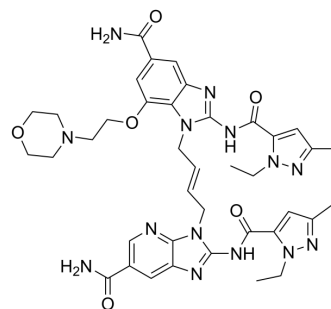


STING agonist-28

Cat. No.:	HY-152961
CAS No.:	2868261-50-9
Molecular Formula:	C ₃₉ H ₄₆ N ₁₄ O ₆
Molecular Weight:	806.87
Target:	STING
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	STING agonist-28 (CF510) is a non-nucleotide small-molecule STING agonist. STING agonist-23 activates STING, increases phosphorylation of STING, TBK1 and IRF3. STING agonist-23 promotes the levels of IFN- β , IL-6, CXCL-10, TNF- α , ISG-15, and CCL-5 in tumor cells. STING agonist-23 exhibits activity against SARS-CoV series strains ^[1] .
In Vitro	STING agonist-28 (10 μ M; 3 h or 5 h) increases the level of phosphorylated STING, TBK1 and IRF3 following 3-h incubation, increases the level of IFN- β , IL-6, CXCL-10, TNF- α , ISG-15 following 5-h incubation, and CCL-5, in THP-1 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	STING agonist-28 adjuvant (20 μ g STING agonist-28 and 5 μ g RBD-Fc per mouse; im; 3 times at 14-day intervals) induces strong antibody immune response induced by the SARS-CoV-2 RBD-Fc protein in mice model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liu Z, et al. A novel STING agonist-adjuvanted pan-sarbecovirus vaccine elicits potent and durable neutralizing antibody and T cell responses in mice, rabbits and NHPs. Cell Res. 2022 Mar;32(3):269-287.

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

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