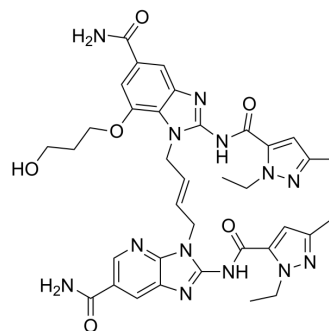


## STING agonist-25

Cat. No.:	HY-152958
CAS No.:	2408723-10-2
Molecular Formula:	C <sub>36</sub> H <sub>41</sub> N <sub>13</sub> O <sub>6</sub>
Molecular Weight:	751.79
Target:	STING
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	STING agonist-25 (CF505) 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- $\beta$ , IL-6, CXCL-10, TNF- $\alpha$ , ISG-15, and CCL-5 in tumor cells. STING agonist-23 exhibits activity against SARS-CoV series strains <sup>[1]</sup> .
<b>In Vitro</b>	STING agonist-25 (10 $\mu$ M; 3 h or 5 h) increases the level of phosphorylated STING, TBK1 and IRF3 following 3-h incubation, increases the level of IFN- $\beta$ , IL-6, CXCL-10, TNF- $\alpha$ , ISG-15 following 5-h incubation, and CCL-5, in THP-1 cells <sup>[1]</sup> . 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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