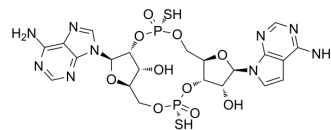


## IACS-8779

Cat. No.:	HY-130116
CAS No.:	2243079-26-5
Molecular Formula:	C <sub>21</sub> H <sub>25</sub> N <sub>9</sub> O <sub>10</sub> P <sub>2</sub> S <sub>2</sub>
Molecular Weight:	689.56
Target:	STING
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	IACS-8779 is a highly potent stimulator of interferon genes (STING) agonist with robust systemic antitumor efficacy <sup>[1]</sup> .
In Vivo	Mice are implanted bilaterally with B16-Ova, and IACS-8779 (compound 1a) is administered at 10 µg dose with three intratumoral injections, on one flank only, on day 6, 9, 12 post implantation. While IACS-8779 shows comparable antitumor activity on the injected flank, IACS-8779 achieves superior regression on the untreated tumor in the contralateral flank, suggesting a more significant systemic immune response compared to the benchmark analogs. Treatment with IACS-8779 also results in a higher number of mice cured of both tumors compared to benchmarks <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ager CR, et al. Discovery of IACS-8803 and IACS-8779, potent agonists of stimulator of interferon genes (STING) with robust systemic antitumor efficacy. *Bioorg Med Chem Lett*. 2019 Oct 15;29(20):126640.

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

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