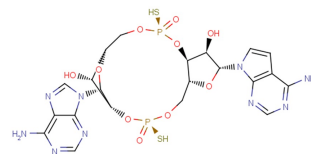


IACS-8779

Chemical Properties

CAS No.: 2243079-26-5
Formula: C₂₁H₂₅N₉O₁₀P₂S₂
Molecular Weight: 689.56
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	IACS-8779 is a highly potent stimulator of interferon genes (STING) agonist with robust systemic antitumor efficacy.
Targets(IC ₅₀)	Others: None
In vivo	Mice are implanted bilaterally with B16-Ova, and IACS-8779 (compound 1a) is administered at 10 µg dose with three intra-tumoral 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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.45 mL	7.251 mL	14.502 mL
5 mM	0.29 mL	1.45 mL	2.9 mL
10 mM	0.145 mL	0.725 mL	1.45 mL
50 mM	0.029 mL	0.145 mL	0.29 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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