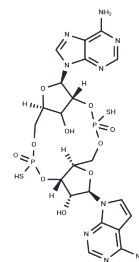


IACS-8779

Chemical Properties

CAS No. : 2243079-26-5
 Formula: C₂₁H₂₅N₉O₁₀P₂S₂
 Molecular Weight: 689.55
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	IACS-8779 is a potent STING agonist that efficiently stimulates interferon gene activity and exhibits strong systemic antitumor effects.
Targets(IC50)	Others,STING
In vivo	Mice bilaterally implanted with B16-Ova tumors received intra-tumoral injections of IACS-8779 (compound 1a) at a 10 µg dose solely on one flank at intervals of three days, specifically on days 6, 9, and 12 post-implantation. While IACS-8779 demonstrated comparable antitumor efficacy on the treated flank, it elicited superior tumor regression on the untreated, contralateral flank. This indicates a stronger systemic immune response by IACS-8779 than that achieved by benchmark analogs. Furthermore, treatment with IACS-8779 resulted in a higher rate of mice being cured of tumors on both flanks, surpassing the outcomes observed with benchmark treatments.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4502 mL	7.2511 mL	14.5022 mL
5 mM	0.290 mL	1.4502 mL	2.9004 mL
10 mM	0.145 mL	0.7251 mL	1.4502 mL
50 mM	0.029 mL	0.145 mL	0.290 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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