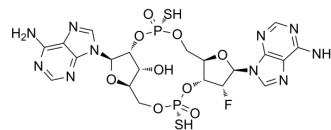


IACS-8803

Cat. No.:	HY-130115
CAS No.:	2095690-70-1
Molecular Formula:	C ₂₀ H ₂₃ N ₁₀ O ₉ P ₂ S ₂
Molecular Weight:	692.53
Target:	STING
Pathway:	Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 15 mg/mL (21.66 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.4440 mL	7.2199 mL	14.4398 mL
	5 mM	0.2888 mL	1.4440 mL	2.8880 mL
	10 mM	0.1444 mL	0.7220 mL	1.4440 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

IACS-8803 is a highly potent cyclic dinucleotide STING agonist with robust systemic antitumor efficacy^[1].

IC₅₀ & Target

STING^[1]

In Vivo

IACS-8803 shows a superior systemic anti-tumor response in the B16 murine model of melanoma^[1].
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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