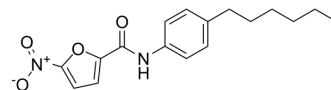


STING-IN-3

Cat. No.:	HY-138683		
CAS No.:	2244881-69-2		
Molecular Formula:	C ₁₇ H ₂₀ N ₂ O ₄		
Molecular Weight:	316.35		
Target:	STING		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (790.26 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.1611 mL	15.8053 mL	31.6106 mL
5 mM	0.6322 mL	3.1611 mL	6.3221 mL
10 mM	0.3161 mL	1.5805 mL	3.1611 mL

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

BIOLOGICAL ACTIVITY

Description

STING-IN-3 is an inhibitor of stimulator of interferon genes (STING). STING-IN-3 efficiently inhibits both hsSTING and mmSTING through covalently target the predicted transmembrane cysteine residue 91 and thereby block the activation-induced palmitoylation of STING^[1].

IC₅₀ & Target

STING^[1]

In Vitro

STING-IN-3 (0.02-2 μM) inhibits hsSTING and mmSTING, mediated IFNβ reporter activity in HEK293 cells^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Proc Natl Acad Sci U S A. 2022 Oct 25;119(43):e2207280119.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Haag SM, et, al. Targeting STING with covalent small-molecule inhibitors. Nature. 2018 Jul;559(7713):269-273.

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

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