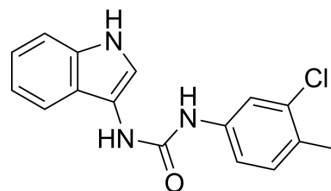


STING-IN-7

Cat. No.:	HY-156449		
CAS No.:	899947-07-0		
Molecular Formula:	C ₁₆ H ₁₄ ClN ₃ O		
Molecular Weight:	299.75		
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 : 100 mg/mL (333.61 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.3361 mL	16.6806 mL	33.3611 mL
	5 mM	0.6672 mL	3.3361 mL	6.6722 mL
	10 mM	0.3336 mL	1.6681 mL	3.3361 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (8.34 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (8.34 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

STING-IN-7 (compound 21) is a potent STING inhibitor with an IC₅₀ of 11.5 nM. STING-IN-7 inhibits the phosphorylation of STING and interferon regulatory factor 3 (IRF3)^[1].

REFERENCES

- [1]. Po-Wei Chang, et al. Analysis of structure-activity relationship of indol-3-yl-N-phenylcarbamic amides as potent STING inhibitors. *Bioorg Med Chem.* 2023 Oct 14;95:117502.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA