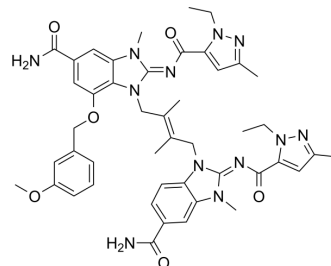


## STING-IN-6

Cat. No.:	HY-148644		
CAS No.:	2305940-34-3		
Molecular Formula:	C <sub>46</sub> H <sub>52</sub> N <sub>12</sub> O <sub>6</sub>		
Molecular Weight:	868.98		
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 (115.08 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.1508 mL	5.7539 mL	11.5077 mL
	5 mM	0.2302 mL	1.1508 mL	2.3015 mL
	10 mM	0.1151 mL	0.5754 mL	1.1508 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 (2.88 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (2.88 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

STING-IN-6 (compound 50) is a potent STING inhibitor with a pIC<sub>50</sub> of 8.9. STING-IN-6 has the potential for immunity research<sup>[1]</sup>.

### REFERENCES

- [1]. David T. Fosbenner, et al. Modulators of stimulator of interferon genes (sting). WO2019069270A1.

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

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