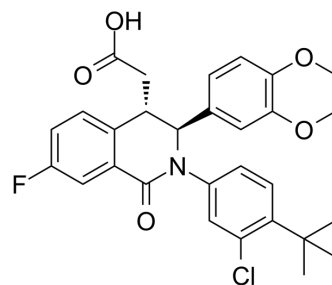


## STING ligand-1

<b>Cat. No.:</b>	HY-114399	
<b>CAS No.:</b>	2365039-41-2	
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>27</sub> ClFNO <sub>5</sub>	
<b>Molecular Weight:</b>	523.98	
<b>Target:</b>	STING	
<b>Pathway:</b>	Immunology/Inflammation	
<b>Storage:</b>	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (190.85 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	1.9085 mL	9.5423 mL	19.0847 mL
	<b>5 mM</b>	0.3817 mL	1.9085 mL	3.8169 mL
	<b>10 mM</b>	0.1908 mL	0.9542 mL	1.9085 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.77 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.77 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	STING ligand-1 is a lead STING ligand with an IC <sub>50</sub> of 68 nM for HAQ STING <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 68 nM (HAQ STING) <sup>[1]</sup>
<b>In Vitro</b>	STING ligand-1 (Compound 18) exhibits functional inhibition of STING mediated cytokine release <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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