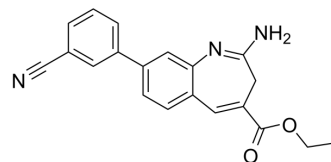


## TL8-506

Cat. No.:	HY-20457		
CAS No.:	1268163-15-0		
Molecular Formula:	C <sub>20</sub> H <sub>17</sub> N <sub>3</sub> O <sub>2</sub>		
Molecular Weight:	331.37		
Target:	Toll-like Receptor (TLR)		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 12.5 mg/mL (37.72 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0178 mL	15.0889 mL	30.1777 mL
	5 mM	0.6036 mL	3.0178 mL	6.0355 mL
	10 mM	0.3018 mL	1.5089 mL	3.0178 mL

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

### BIOLOGICAL ACTIVITY

#### Description

TL8-506 is a specific TLR8 agonist with an EC<sub>50</sub> of 30 nM. TL8-506 can be used for the research of tuberculosis and autoimmune diseases<sup>[1]</sup>.

### REFERENCES

[1]. Jun Tang, et al. Toll-Like Receptor 8 Agonist Strengthens the Protective Efficacy of ESAT-6 Immunization to Mycobacterium tuberculosis Infection. Front Immunol. 2018 Jan 24;8:1972.

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

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