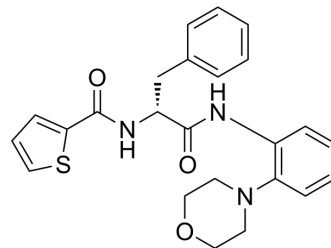


## MMV688845

<b>Cat. No.:</b>	HY-148478		
<b>CAS No.:</b>	2208962-35-8		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>25</sub> N <sub>3</sub> O <sub>3</sub> S		
<b>Molecular Weight:</b>	435.54		
<b>Target:</b>	DNA/RNA Synthesis		
<b>Pathway:</b>	Cell Cycle/DNA Damage		
<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 : 250 mg/mL (574.00 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	2.2960 mL	11.4800 mL	22.9600 mL
	<b>5 mM</b>	0.4592 mL	2.2960 mL	4.5920 mL
	<b>10 mM</b>	0.2296 mL	1.1480 mL	2.2960 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: ≥ 6.25 mg/mL (14.35 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 6.25 mg/mL (14.35 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	MMV688845 is a nontuberculous mycobacteria (NTM) RNA polymerase inhibitor with bactericidal activity against <i>Mycobacterium abscessus</i> and anti-tuberculosis efficacy <sup>[1]</sup> .
<b>In Vitro</b>	MMV688845 can inhibit <i>M. abscessus</i> ATCC 19977 in a dose-dependent manner with the MIC value of 9.3 μM <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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