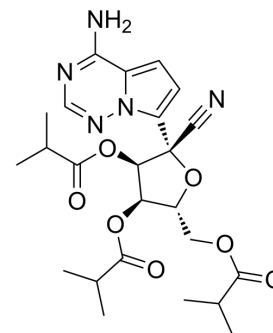


## GS-621763

<b>Cat. No.:</b>	HY-145119
<b>CAS No.:</b>	2647442-13-3
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>31</sub> N <sub>5</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	501.53
<b>Target:</b>	SARS-CoV
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (199.39 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9939 mL	9.9695 mL	19.9390 mL
	5 mM	0.3988 mL	1.9939 mL	3.9878 mL
	10 mM	0.1994 mL	0.9969 mL	1.9939 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 (4.98 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (4.98 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (4.98 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

GS-621763, an orally bioavailable proagent of GS-441524, shows antiviral activity against SARS-CoV-2 pathogenesis in mice [1].

### REFERENCES

[1]. Schäfer A, et al. Therapeutic efficacy of an oral nucleoside analog of remdesivir against SARS-CoV-2 pathogenesis in mice. bioRxiv [Preprint]. 2021 Sep

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

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