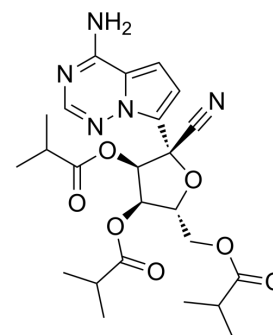


GS-621763

Cat. No.:	HY-145119
CAS No.:	2647442-13-3
Molecular Formula:	C ₂₄ H ₃₁ N ₅ O ₇
Molecular Weight:	501.53
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	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
			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 is an orally available precursor to GS-441524 that exhibits anti-SARS-CoV-2 viral activity in mice. GS-621763 reduces viral load to undetectable levels in ferrets infected with SARS-CoV-2^{[1][2]}.

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 17:2021.09.13.460111.

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

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