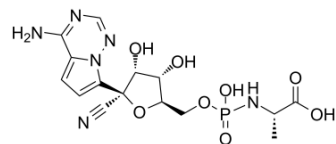


## GS-704277

Cat. No.:	HY-136303
CAS No.:	1911579-04-8
Molecular Formula:	C <sub>15</sub> H <sub>19</sub> N <sub>6</sub> O <sub>8</sub> P
Molecular Weight:	442.32
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 2 mg/mL (4.52 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2608 mL	11.3040 mL	22.6081 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

GS-704277 is an alanine metabolite of Remdesivir. Remdesivir, a nucleoside analogue with effective antiviral activity, is highly effective in the control of SARS-CoV-2 (COVID-19) infection in vitro<sup>[1][2]</sup>.

### REFERENCES

[1]. Eastman RT, et al. Remdesivir: A Review of Its Discovery and Development Leading to Emergency Use Authorization for Treatment of COVID-19 [published correction appears in ACS Cent Sci. 2020 Jun 24;6(6):1009]. ACS Cent Sci. 2020;6(5):672-683.

[2]. Wang M, et al. Remdesivir and chloroquine effectively inhibit the recently emerged novel coronavirus (2019-nCoV) in vitro. Cell Res. 2020 Mar;30(3):269-271.

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

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