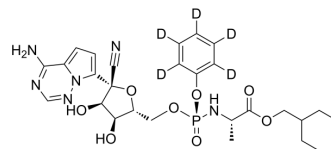


Remdesivir-d₅

Cat. No.:	HY-104077S		
Molecular Formula:	C ₂₇ H ₃₀ D ₅ N ₆ O ₈ P		
Molecular Weight:	607.61		
Target:	DNA/RNA Synthesis; SARS-CoV		
Pathway:	Cell Cycle/DNA Damage; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

Remdesivir-d₅ is a deuterium labeled Remdesivir. Remdesivir (GS-5734) is a nucleoside analogue, with effective antiviral activity, with EC50s of 74 nM for SARS-CoV and MERS-CoV in HAE cells, and 30 nM for murine hepatitis virus in delayed brain tumor cells. Remdesivir is highly effective in the control of 2019-nCoV (COVID-19) infection in vitro[1][2].

CUSTOMER VALIDATION

- Clin Transl Sci. 2021 Nov 10.
- J Mass Spectrom Adv Clin Lab. 11 June 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. 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.
- [2]. Agostini ML, et al. Coronavirus Susceptibility to the Antiviral Remdesivir (GS-5734) Is Mediated by the Viral Polymerase and the Proofreading Exoribonuclease. MBio. 2018 Mar 6;9(2). pii: e00221-18.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA