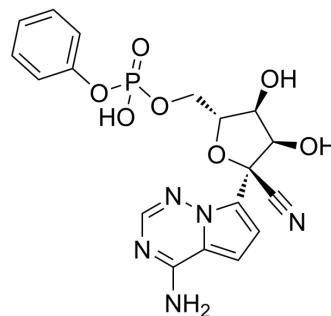


Remdesivir de(ethylbutyl 2-aminopropanoate)

Cat. No.:	HY-145949
CAS No.:	2607871-93-0
Molecular Formula:	C ₁₈ H ₁₈ N ₅ O ₇ P
Molecular Weight:	447.34
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Remdesivir de(ethylbutyl 2-aminopropanoate) is an impurity of Remdesivir. Remdesivir, a nucleoside analogue with effective antiviral activity, has 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 SARS-CoV-2 (COVID-19) infection in vitro^{[1][2]}.

REFERENCES

[1]. 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):e00221-18.

[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.

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

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