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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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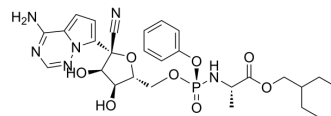
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Remdesivir (Standard)

Cat. No.:	HY-104077R
CAS No.:	1809249-37-3
Molecular Formula:	C ₂₇ H ₃₅ N ₆ O ₈ P
Molecular Weight:	602.58
Target:	SARS-CoV; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Remdesivir (Standard) is the analytical standard of Remdesivir. This product is intended for research and analytical applications. Remdesivir (GS-5734), a nucleoside analogue with effective antiviral activity, has EC ₅₀ s of 3.3 μM, 4.7 μM, 32 μM, 3.7 μM and 9.2 μM for SARS-CoV-2 and its variants alpha, beta, gamma and delta, respectively. Remdesivir is highly effective in the control of SARS-CoV-2 (COVID-19) infection in vitro ^{[1][2][3]} .
IC₅₀ & Target	EC ₅₀ : 30 nM (murine hepatitis virus, delayed brain tumor cell), 74 nM (SARS-CoV, HAE cell), 74 nM (MERS-CoV, HAE cell) ^[1] EC ₅₀ : 3.3 μM (SARS-CoV-2), 4.7 μM (SARS-CoV-2 alpha), 32 μM (SARS-CoV-2 beta), 3.7 μM (SARS-CoV-2 gamma) and 9.2 μM (SARS-CoV-2 delta) ^[3]

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). pii: 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.
- [3]. Hu H, et al. Optimization of the Prodrug Moiety of Remdesivir to Improve Lung Exposure/Selectivity and Enhance Anti-SARS-CoV-2 Activity. J Med Chem. 2022 Sep 22;65(18):12044-12054.

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

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