



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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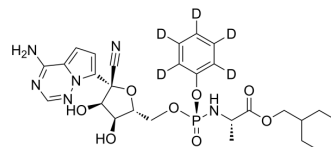
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Remdesivir-d₅

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (164.58 mM; Need ultrasonic)
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	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.6458 mL	8.2290 mL	16.4579 mL
	5 mM		0.3292 mL	1.6458 mL	3.2916 mL
	10 mM		0.1646 mL	0.8229 mL	1.6458 mL

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

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.

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