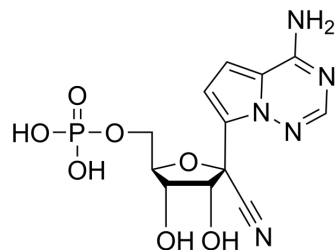


Remdesivir nucleoside monophosphate

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-44358 | | |
| CAS No.: | 1911578-74-9 | | |
| Molecular Formula: | C ₁₂ H ₁₄ N ₅ O ₇ P | | |
| Molecular Weight: | 371.24 | | |
| Target: | DNA/RNA Synthesis; SARS-CoV; Drug Metabolite | | |
| Pathway: | Cell Cycle/DNA Damage; Anti-infection; Metabolic Enzyme/Protease | | |
| 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 : 25 mg/mL (67.34 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.6937 mL | 13.4684 mL | 26.9368 mL |
| | 5 mM | 0.5387 mL | 2.6937 mL | 5.3874 mL |
| | 10 mM | 0.2694 mL | 1.3468 mL | 2.6937 mL |

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

BIOLOGICAL ACTIVITY

Description

Remdesivir nucleoside monophosphate is a metabolite of Remdesivir^[1]. Remdesivir is a nucleoside analogue with effective antiviral activity against SARS-CoV and MERS-CoV^[2].

CUSTOMER VALIDATION

- Nucleic Acids Res. 2021 Jan 8;49(D1):D1113-D1121.
- J Biol Chem. 2021 Dec 20;101518.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Byoung Kwon Chun, et al. or treating filoviridae virus infections. US20160122374.

[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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