

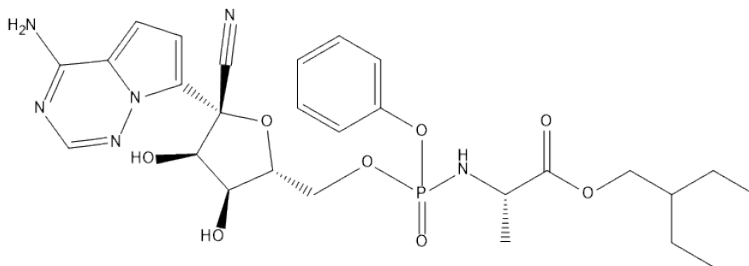
Remdesivir

Rev 01/21

ALTERNATE NAMES: 2-Ethylbutyl (2S)-2-(((S)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)amino)propanoate; 2-ethylbutyl (((((2R,3S,4R,5R)-5-(4-aminopyrrolo[2,1-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphoryl)-L-alaninate; GS-5734

CATALOG #: B2997-1 1 mg
B2997-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₃₅N₆O₈P

MOLECULAR WEIGHT: 602.58

CAS NUMBER: 1809249-37-3

APPEARANCE: White to off-White crystalline powder

PURITY: >97%

SOLUBILITY: ~125 mg/ml in DMSO

DESCRIPTION: Remdesivir is a nucleoside analogue with antiviral activity. It inhibits Middle East respiratory syndrome coronavirus (MERS-CoV)- or severe acute respiratory syndrome coronavirus (SARS-CoV)-infected HAE cultures with EC₅₀ values of 74 nM and 69 nM. It inhibits murine hepatitis virus (MHV) with an EC₅₀ of 30 nM in delayed brain tumor (DBT) cells. It is a delayed chain terminator with in vitro and animal model activity against multiple coronaviruses, and in vitro activity against SARS-CoV-2.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Agostini, M.L., Andres, E.L., Sims, A.C., et al. Coronavirus Susceptibility to the Antiviral Remdesivir (GS-5734) Is Mediated by the Viral Polymerase and the Proofreading Exoribonuclease. mBio. 9(2) (2018).

RELATED PRODUCTS:

6-Azauridine (Cat. No. B1024)
 Rilpivirine hydrochloride (Cat. No. B2427)
 Acyclovir (Cat. No. 2200)
 Cytarabine (Cat. No. B2661)
 Glecaprevir (Cat. No. B2347)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*