



Certificate of Analysis

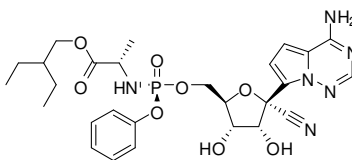
Axon Catalogue ID: 3110 **Batch Number:** 1

Product Name: Remdesivir

Alternative Name(s): GS-5734

IUPAC Name: (S)-2-Ethylbutyl 2-((S)-(((2R,3S,4R,5R)-5-(4-aminopyrrolo[1,2-f][1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2-yl)methoxy)(phenoxy)phosphorylamino)propanoate

Structure:



Amount:

CAS number(s): 1809249-37-3

Molecular Formula: C₂₇H₃₅N₆O₈P **Molecular Weight:** 602.58

Batch Molecular Formula: C₂₇H₃₅N₆O₈P **Batch Molecular Weight:** 602.58

Appearance: White solid **Observed mp:** 107.0 - 108.2 °C

TLC (R_f): 0.53 DCM/MeOH (9:1)

Chemical Purity: 99.8%

Optical Purity (ee): Optically pure

Optical Rotation (Det.): [α]_D = -25.3° with c = 0.5 in MeOH

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 53.82, H 5.85, N 13.95; Found: C 53.75, H 5.88, N 14.01

Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	
0.1N NaOH (aq)				Not Tested
0.1N HCl (aq)	2.7	4.5	Insoluble	
DMSO	30.6	50.7		
EtOH				Not Tested

Remarks:

QC Date: 17-4-2020

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only