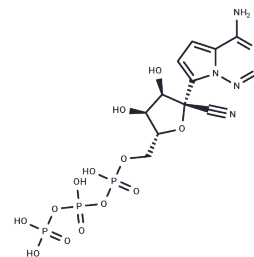


GS-443902

## Chemical Properties

CAS No. :	1355149-45-9
Formula:	C <sub>12</sub> H <sub>16</sub> N <sub>5</sub> O <sub>13</sub> P <sub>3</sub>
Molecular Weight:	531.2
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Remdesivir triphosphate is a potent inhibitor of viral RNA-dependent RNA-polymerases (RdRp) with IC <sub>50</sub> s of 1.1 μM, 5 μM for RSV RdRp and HCV RdRp, respectively. GS-443902 is the active triphosphate metabolite of Remdesivir.
Targets(IC <sub>50</sub> )	Nucleoside Antimetabolite/Analog,HCV Protease,DNA/RNA Synthesis,Drug Metabolite, RSV,SARS-CoV
Animal Research	Cats ranged from 3.4-73 months of age (mean 13.6 months); 26 had effusive or dry-to-effusive FIP and five had non-effusive disease. Cats with severe neurological and ocular FIP were not recruited. The group was started on GS-441524 at a dosage of 2.0 mg/kg SC q24h for at least 12 weeks and increased when indicated to 4.0 mg/kg SC q24h.

## Solubility Information

Solubility	DMSO: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8825 mL	9.4127 mL	18.8253 mL
5 mM	0.3765 mL	1.8825 mL	3.7651 mL
10 mM	0.1883 mL	0.9413 mL	1.8825 mL
50 mM	0.0377 mL	0.1883 mL	0.3765 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pedersen N C , Perron M , Bannasch M , et al. Efficacy and safety of the nucleoside analog GS-441524 for treatment of cats with naturally occurring feline infectious peritonitis[J]. Journal of Feline Medicine & Surgery, 2019.

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