

New

LIFE SCIENCE



Antiviral Agents Targeting RNA-Dependent RNA Polymerase (RdRp)

RNA-dependent RNA polymerase (RdRp) is a key enzyme responsible for RNA virus replication processes and catalyzes the replication of RNA from an RNA template. Because of this, RdRps are often recognized as good targets for antiviral agents.¹⁾ The following products, targeting RdRps, have attracted attention for the antiviral activity against RNA viruses, such as SARS-CoV-2, SARS-CoV, MERS-CoV, seasonal and pandemic influenza viruses, and the hepatitis C virus.

N⁴-Hydroxycytidine (= EIDD-1931) An active metabolite of molnupiravir which inhibits the replication of RNA viruses. ²⁾	25mg / 100mg [H1803]
Favipiravir (= T-705) A potent and selective viral RNA polymerase inhibitor. ³⁾	25mg / 100mg [F1296]
T-1105 A viral RNA polymerase inhibitor and a structural analog of favipiravir. ³⁾	1g / 5g [H1485]
Theaflavin A potential SARS-CoV-2 RdRp inhibitor. ⁴⁾	5mg / 25mg [T3962]
Ribavirin A ribonucleoside analog polymerase inhibitor of hepatitis C virus (HCV). ⁵⁾	100mg / 500mg [R0077]
PSI-6206 A nucleoside polymerase inhibitor of hepatitis C virus (HCV). ⁶⁾	200mg / 1g [D4823]

For laboratory Use, Research Purposes Only.

- References**
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 - 2) T. P. Sheahan, R. S. Baric, *et al.*, *Sci. Transl. Med.* **2020**, *12*, eabb5883. <https://doi.org/10.1126/scitranslmed.abb5883>
 - 3) Y. Furuta, John D. Morrey, *et al.*, *Antiviral Res.* **2009**, *82*, 95. <https://doi.org/10.1016/j.antiviral.2009.02.198>
 - 4) J. Lung, C.-Y. Wu, *et al.*, *J. Med. Virol.* **2020**, *92*, 693. <https://doi.org/10.1002/jmv.25761>
 - 5) M. Vignuzzi, J. K. Stone, R. Andino, *Virus Res.* **2005**, *107*, 173. <https://doi.org/10.1016/j.virusres.2004.11.007>
 - 6) E. Murakami, P. A. Furman, *et al.*, *Antimicrob. Agents Chemother.* **2008**, *52*, 458. <https://doi.org/10.1128/AAC.01184-07>

Related Products

Arbidol Hydrochloride	25mg / 100mg [A3402]
Arglabin	5mg [A3449]
Camostat Mesylate	25mg / 100mg [C2977]
Cepharanthine	250mg / 1g [M2968]
Chloroquine	250mg / 1g [C3730]
Chloroquine Diphosphate	25g / 100g / 500g [C2301]
Hydroxychloroquine Sulfate	5g / 25g [H1306]
Lopinavir	250mg / 1g [L0377]
Losartan	5g / 25g [L0378]
Losartan Potassium	5g / 25g [L0232]
Ritonavir	200mg / 1g [R0116]

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