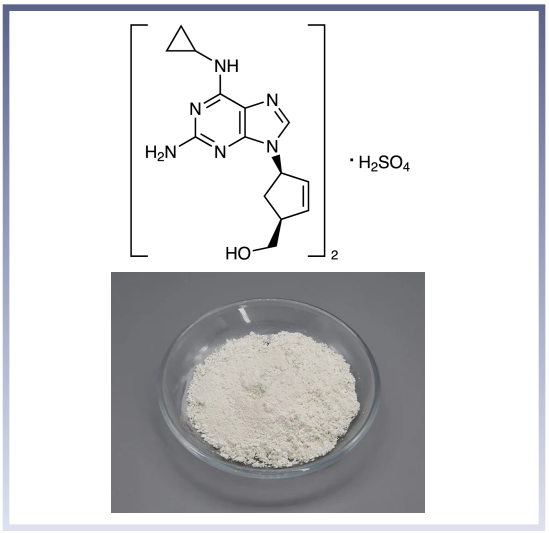
1 Abacavir Sulphate

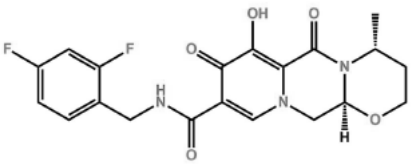


CAS No.	188062-50-2
Therapeutic Class	Anti Viral
Molecular Formula	$C_{28}H_{38}N_{12}O_6S$
Molecular Weight	670.47 g/mol
Physical Form	Off-white solid
Solubility	Freely soluble in water; slightly soluble in ethanol and methanol.
Packing	It is packed in cardboard or fibre drums with double plastic bags inside for large quantity. For small quantity, it is packed in glass vials.
Storage conditions	It is typically stored at 2-8°C.

Product Description

Abacavir Sulphate, is used to treat HIV/AIDS. It is an antiretroviral medication that belongs to the class of nucleoside reverse transcriptase inhibitors (NRTIs). Abacavir is often used in combination with other antiretroviral drugs to help manage HIV infections. It works by inhibiting the reverse transcriptase enzyme, which is necessary for the replication of HIV. By preventing the replication of the virus, it helps reduce the viral load in the body and allows the immune system to strengthen. This product is a pharmaceutical ingredient intended for research, analytical method development, and quality control in the pharmaceutical industry and requires careful handling with appropriate personal protective equipment (PPE).

2 Dolutegravir

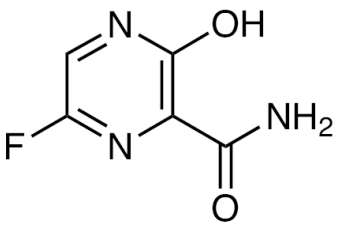


CAS No.	1051375-16-6
Therapeutic Class	Anti Viral
Molecular Formula	$C_{20}H_{19}F_2N_3O_5$
Molecular Weight	419.38 g/mol
Physical Form	White to Pale Yellow Solid
Solubility	Slightly soluble in water; freely soluble in methanol and ethanol.
Packing	Usually packed in HDPE drums with double-layered polyethylene bags inside for bulk quantity.
Storage conditions	should be stored in a refrigerator at 2-8°C, in a dry cool place and protected from humid and direct sunlight.

Product Description

Dolutegravir is an antiviral drug used primarily in the treatment of HIV-1 infection. It is an integrase strand transfer inhibitor (INSTI) that prevents the HIV virus from integrating its genetic material into the host's DNA, which is a critical step in the viral replication cycle. Dolutegravir binds to the active site of the HIV integrase enzyme, blocking the insertion of the viral DNA into the host's genome. This inhibits the replication of the HIV virus. Therefore, Dolutegravir is widely used in the treatment of HIV-1 infection, either as monotherapy or in combination with other antiretroviral agents. It is known for its high efficacy, favorable safety profile, and low risk of resistance development.

3 Favipiravir

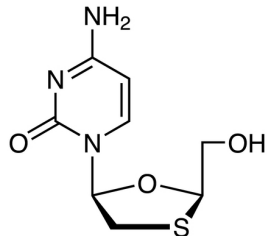


CAS No.	259793-96-9
Therapeutic Class	Anti Viral
Molecular Formula	$C_5H_4FN_3O_2$
Molecular Weight	157.10 g/mol
Physical Form	White to Offwhite crystalline powder.
Solubility	Slightly soluble in water; freely soluble in methanol and ethanol.
Packing	It is packed in drums for bulk quantity. For small quantity, Glass bottles, often with a plastic insert.
Storage conditions	Should be stored in a tightly-sealed container in a cool, dry place away from light and moisture.

Product Description

Favipiravir is a pyrazinecarboxamide derivative and a broad-spectrum antiviral API originally developed for the treatment of influenza. It acts as a selective inhibitor of RNA-dependent RNA polymerase (RdRp), thereby interfering with viral replication. Favipiravir was originally identified through a chemical library screen against influenza virus RdRP. Chemically, it is a prodrug. In human cells it undergoes phosphoribosylation and phosphorylation to its active form, favipiravir-ribofuranosyl-5 -triphosphate (F-RTP). F-RTP is bound by the RdRP, but it blocks enzyme activity and so terminates chain elongation. Beyond influenza, Favipiravir has been studied for activity against other RNA viruses, including Ebola, Lassa fever, and coronaviruses.

4 Lamivudine

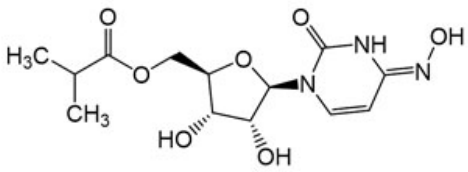


CAS No.	134678-17-4
Therapeutic Class	Anti Viral
Molecular Formula	$C_8H_{11}N_3O_3S$
Molecular Weight	229.26 g/mol
Physical Form	White solid powder form
Solubility	Slightly soluble in Acetone; freely soluble in methanol and water and insoluble in Ether.
Packing	Larger commercial packs available in fibre drums with inner polythene liners. For small quantity, HDPE bottles with secure closures.
Storage conditions	should be stored in a refrigerator at 2-8°C, in a dry cool place and protected from humid and direct sunlight.

Product Description

Lamivudine is a synthetic nucleoside analogue belonging to the class of reverse transcriptase inhibitors (RTIs). Nucleoside reverse transcriptase inhibitors (NRTIs) block reverse transcriptase (an HIV enzyme). HIV uses reverse transcriptase to convert its RNA into DNA (reverse transcription). It is widely used as an active pharmaceutical ingredient (API) in the treatment of HIV-1 and HIV-2 infection and in combination therapy for chronic hepatitis B (HBV). The compound exhibits potent antiviral activity by inhibiting viral DNA synthesis, thereby blocking replication of the virus. Lamivudine is well tolerated, has high oral bioavailability, and is often combined with other antiretroviral drugs such as Zidovudine, Abacavir, or Tenofovir to improve therapeutic efficacy.

5 Molnupiravir

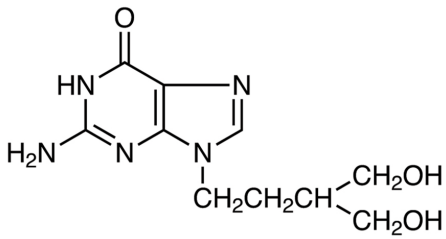


CAS No.	2492423-29-5
Therapeutic Class	Anti Viral
Molecular Formula	$C_{13}H_{19}N_3O_7$
Molecular Weight	329.31 g/mol
Physical Form	White to off-white solid
Solubility	Freely soluble in water, ethanol & methanol. Slightly soluble in Acetone.
Packing	It is packed in fibre drums with inner polythene liners. For small quantity, Glass bottles with secure closures.
Storage conditions	should be stored in a refrigerator at 2-8°C, in a dry cool place and protected from humid and direct sunlight.

Product Description

This API is used to treat adult patients who have been diagnosed with Covid-19 by effectively limiting the advancement of the disease. Molnupiravir is a prodrug form of the antiviral ribonucleoside analog EIDD-1931. Molnupiravir (500 mg/kg) reduces body weight loss, lung hemorrhage, and lung viral titers, as well as improves pulmonary function in mouse models of severe acute respiratory syndrome coronavirus (SARS-CoV) or Middle East respiratory syndrome coronavirus (MERS-CoV) infection when administered prophylactically at 2 hours pre-infection or therapeutically at 12 hours post-infection. It also reduces shed virus load and fever in ferret models of H1N1 or H3N2 influenza. A virus infection when administered at a dose of 100 mg/kg twice per day. Molnupiravir is able to treat covid does wonders for Covid-19 sufferers helping them get back on their feet, fit and healthy.

6 Penciclovir

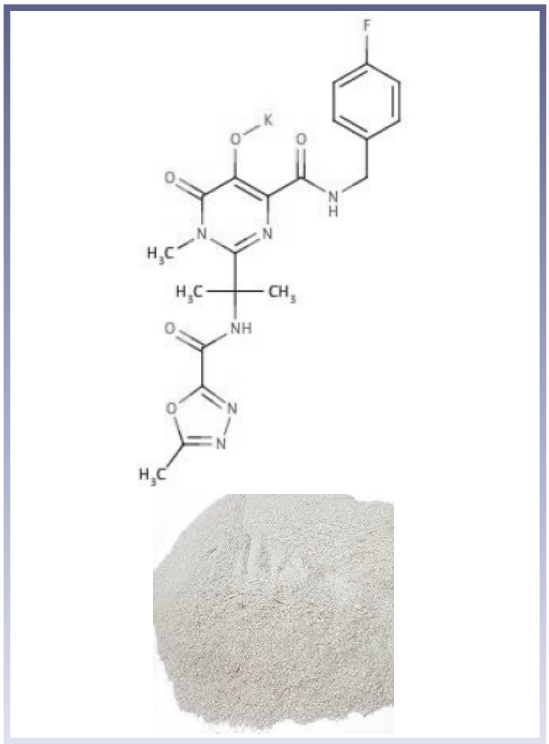


CAS No.	39809-25-1
Therapeutic Class	Anti Viral
Molecular Formula	$C_{10}H_{15}N_5O_3$
Molecular Weight	253.26 g/mol
Physical Form	White solid
Solubility	Freely soluble in DMSO (Dimethyl Sulfoxide), Slightly soluble in water and insoluble in Ethanol & Methanol.
Packing	It is packed in fibre drums with double inner polythene liners for bulk quantity. For small quantity, it is packed in aluminium foil.
Storage conditions	Store in a refrigerator at 2-8°C OR below -25°C as a storage temperature, as per the requirements.

Product Description

Penciclovir Active Pharmaceutical Ingredient (API) is an antiviral drug used primarily for the treatment of herpesvirus infections, particularly herpes labialis (cold sores/fever blisters). It works by inhibiting viral DNA polymerase, thereby interfering with the replication of herpes simplex virus (HSV). Penciclovir is a synthetic acyclic guanine derivative and an antiviral active pharmaceutical ingredient (API). It is primarily used in the treatment of infections caused by herpes simplex virus (HSV-1 and HSV-2) and varicella-zoster virus (VZV). Penciclovir acts as a selective inhibitor of viral DNA polymerase, thereby blocking viral DNA synthesis and replication. Penciclovir is phosphorylated inside virus-infected cells by viral thymidine kinase to its active triphosphate form. The triphosphate competes with deoxyguanosine triphosphate, inhibiting viral DNA polymerase and halting viral DNA chain elongation, with minimal effect on uninfected host cells.

7 Raltegravir Potassium

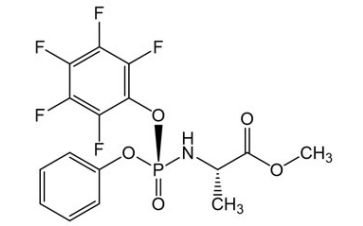


CAS No.	871038-72-1
Therapeutic Class	Anti Viral
Molecular Formula	$C_{20}H_{20}FKN_6O_5$
Molecular Weight	482.51 g/mol
Physical Form	White to Offwhite crystalline powder.
Solubility	Freely soluble in water, DMSO (Dimethyl Sulfoxide), Slightly soluble in ethanol and insoluble in Heptane.
Packing	It is packed in fibre drums with double inner polythene liners for bulk quantity. For small quantity, it is packed in aluminium foil.
Storage conditions	should be stored in a refrigerator at 2-8°C, in a dry cool place and protected from humid and direct sunlight.

Product Description

Raltegravir potassium is the potassium salt form of Raltegravir, a pyrimidinone analog and integrase strand transfer inhibitor (INSTI) used as an antiretroviral agent. It is a first-in-class INSTI that blocks the integration of viral DNA into the host genome, an essential step in the replication cycle of the Human Immunodeficiency Virus type-1 (HIV-1). It prevents the integration of viral DNA into the host genome, a critical step in the HIV replication cycle. Due to its novel mechanism, it is effective against HIV strains resistant to other classes of antiretrovirals. It is an effective in both treatment-naïve and treatment-experienced patients.

8 Sofosbuvir

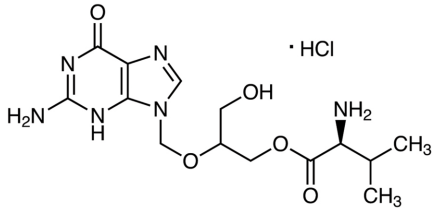


CAS No.	1190307-88-0
Therapeutic Class	Anti Viral
Molecular Formula	$C_{22}H_{29}FN_3O_9P$
Molecular Weight	529.45 g/mol
Physical Form	White to Offwhite crystalline powder.
Solubility	Freely soluble in acetone, methanol, Slightly soluble in isopropanol and insoluble in Hexane.
Packing	Packed in fibre drums with double inner polythene liners for bulk quantity. For small quantity, packed in aluminium foil.
Storage conditions	Store in a refrigerator at 2-8°C OR below -25°C as a storage temperature, as per the requirements.

Product Description

Sofosbuvir is a nucleoside analogue used as a direct-acting antiviral (DAA) for the treatment of chronic hepatitis C (HCV) infection. It works by inhibiting the action of the NS5B polymerase enzyme, which is essential for the replication of the hepatitis C virus (HCV). By blocking this enzyme, sofosbuvir prevents the virus from replicating and spreading within the body, which helps to reduce viral load and improve liver function and prevents liver cirrhosis, and reduce the risk of liver-related complications such as liver failure and liver cancer. It is taken orally in the form of tablets and is generally prescribed as part of combination therapy to achieve higher cure rates and improve patient outcomes.

9 Valganciclovir



CAS No.	175865-59-5
Therapeutic Class	Anti Viral
Molecular Formula	$C_{14}H_{23}ClN_6O_5$
Molecular Weight	390.82 g/mol
Physical Form	White crystalline solid.
Solubility	Freely soluble in water and slightly soluble in ethanol and methanol.
Packing	Packed in fibre drums with double inner polythene liners for bulk quantity. For small quantity, packed in glass bottle.
Storage conditions	should be stored in a refrigerator at 2-8°C, in a dry cool place and protected from humid and direct sunlight.

Product Description

Valganciclovir is an oral prodrug of ganciclovir, designed for improved bioavailability. Once administered, it is rapidly converted to ganciclovir by intestinal and hepatic esterases. Ganciclovir is an acyclic deoxyguanosine analogue with antiviral activity against multiple herpesviruses, including Herpes Simplex Virus (HSV), Varicella Zoster Virus (VZV), Cytomegalovirus (CMV), Epstein-Barr virus, and human herpes virus 8. It is much more active than acyclovir against CMV and Epstein Barr Virus (EBV). Ganciclovir inhibits viral DNA synthesis by competitive incorporation into viral DNA and termination of chain elongation. Valganciclovir is an antiviral active pharmaceutical ingredient (API) and the L-valyl ester prodrug of ganciclovir. It is designed to improve the oral bioavailability of ganciclovir. After administration, valganciclovir is rapidly hydrolyzed in the intestinal wall and liver to release ganciclovir, which exerts potent antiviral activity.