# CMV

## Cytomegalovirus

Cytomegalovirus (CMV) is a double-stranded DNA virus and is a member of the ubiquitous family of herpesviruses. Cytomegaloviruses escape immunological clearance and persist throughout life in the infected host. Yet, the stability of the balance of this virus-host interaction is dependent upon the state of the cellular immune response, and usually requires the function of specific CD8 T lymphocytes.

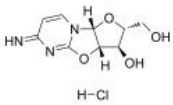
Human cytomegalovirus is a member of the viral family known as herpesviruses, Herpesviridae, or human herpesvirus-5 (HHV-5). Human cytomegalovirus infections commonly are associated with the salivary glands. CMV infection may be asymptomatic in healthy people, but it can be life-threatening in an immunocompromised patient. Congenital cytomegalovirus infection can cause morbidity and even death. After infection, CMV often remains latent, but it can reactivate at any time. Eventually, it causes mucoepidermoid carcinoma, and it may be responsible for prostate cancer.

# CMV Inhibitors

## Ancitabine hydrochloride (Cyclocytidine hydrochloride; Cyclo-CMP hydrochloride; Cyclo-C)

Cat. No.: HY-N0093

Ancitabine (hydrochloride) is an important antileukemia drugs.

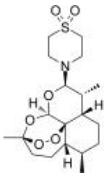


Purity: 98.97%
Clinical Data: Launched
Size: 10 mM × 1 mL, 200 mg, 1 g

## Artemisone (Artemifone; BAY 44-9585)

Cat. No.: HY-19502

Artemisone (Artemifone) is a potent and semi-synthetic **antimalarial**, inhibits P. falciparum strains, with a mean $IC_{50}$ of 0.83 nM. Artemisone is also a potent inhibitor of **human CMV**.

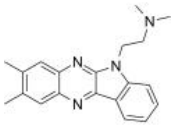


Purity: ≥98.0%
Clinical Data: Phase 2
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

## B220

Cat. No.: HY-100272

B220 is an antiviral agent which can inhibit the growth of **HSV-1**, **HSV-2** and **human cytomegalovirus** (**CMV**).

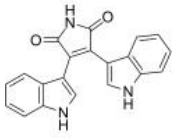


Purity: ≥99.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 1 mg

## Bisindolylmaleimide IV (Arcyriarubin A)

Cat. No.: HY-108254

Bisindolylmaleimide IV (Arcyriarubin A) is a potent **protein kinase C (PKC)** inhibitor, with $IC_{50}$s ranging from 0.1 to 0.55 μM. Bisindolylmaleimide IV also inhibits PKA ($IC_{50}$=3.1-11.8μM).

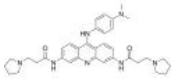


Purity: >98%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 25 mg

## Braco-19

Cat. No.: HY-15523

Braco-19 is a potent **telomerase/telomere** inhibitor, preventing the capping and catalytic action of telomerase.

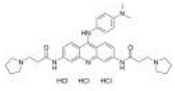


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

## Braco-19 trihydrochloride

Cat. No.: HY-15523A

Braco-19 trihydrochloride is a potent **telomerase/telomere** inhibitor, preventing the capping and catalytic action of telomerase.



Purity: 98.98%
Clinical Data: No Development Reported
Size: 1 mg

## Brincidofovir (CMX001; HDP-CDV)

Cat. No.: HY-14532

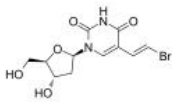
Brincidofovir (CMX001), the lipid-conjugated prodrug of Cidofovir (HY-17438), is an orally available, long-acting antiviral.

Purity: 99.06%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 2 mg, 5 mg, 10 mg, 25 mg, 50 mg

## Brivudine (Bromovinyldeoxyuridine; BVDU)

Cat. No.: HY-13578

Brivudine is a thymidine analogue with antiviral activity, indicated for the early treatment of acute herpes zoster.

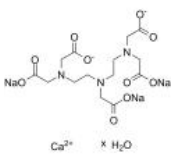


Purity: >98%
Clinical Data: Launched
Size: 10 mM × 1 mL, 25 mg, 50 mg, 100 mg, 200 mg

## Calcium trinatrium diethylenetriaminepentaacetic acid hydrate (Ca-DTPA trisodium salt hydrate)

Cat. No.: HY-128370

Calcium trinatrium diethylenetriaminepentaacetic acid hydrate (Ca-DTPA trisodium salt hydrate) is a metal chelator and a useful antidote (such as acute cadmium intoxication).

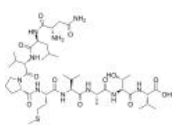


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

## CEF20

Cat. No.: HY-P1780

CEF20 is an HLA-A*0201-restricted epitope from cytomegalovirus pp65 (495-503).



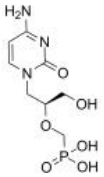
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg


Tel: 609-228-6898 Fax: 609-228-5909 Email: sales@MedChemExpress.com

## Cidofovir

(GS 0504; HPMPC; (S)-HPMPC) Cat. No.: HY-17438

Cidofovir is an anti-CMV drug which can suppress CMV replication by selective inhibition of viral DNA polymerase and therefore prevention of viral replication and transcription.

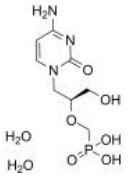


Purity: 99.15%
Clinical Data: Launched
Size: 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

## Cidofovir dihydrate

(HPMPC dihydrate; (S)-HPMPC dihydrate) Cat. No.: HY-17438A

Cidofovir dehydrate is an injectable antiviral medication for the treatment of cytomegalovirus (CMV) retinitis, which suppresses virus replication by selective inhibition of viral DNA synthesis.

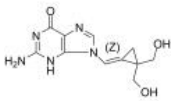


Purity: >98%
Clinical Data: Launched
Size: 1 mg, 5 mg

## Cyclopropavir

(Filociclovir; ZSM-I-62; MBX-400) Cat. No.: HY-16721

Cyclopropavir (Filociclovir; ZSM-I-62; MBX-400) is a broad-spectrum anti-herpesvirus compound, has good antiviral activity against cytomegalovirus (CMV), herpes simplex virus (HHV)-6 and HHV-8 with $EC_{50}$s of 0.7 μM to 8 μM.



Purity: ≥98.0%
Clinical Data: Phase 1
Size: 5 mg, 10 mg, 25 mg, 50 mg

## Enocitabine

Cat. No.: HY-123523

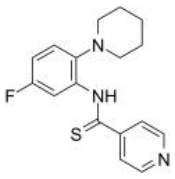
Enocitabine is a nucleoside analog, and is a potent **DNA replication** inhibitor, and a DNA chain terminator. Enocitabine inhibits the replication of **human cytomegalovirus**. Enocitabine has antileukemic and antiviral activities.

Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg

## FIT-039

Cat. No.: HY-18944

FIT-039 is a selective, ATP-competitive and orally active CDK9 inhibitor with an $IC_{50}$ of 5.8 μM for **CKD9/cyclin T1**. FIT-039 does not inhibit other CDKs and other kinases. FIT-039 inhibits replication of **HSV-1** ($IC_{50}$ of 0.69 μM), **HSV-2**, **human adenovirus**, and **human CMV**.

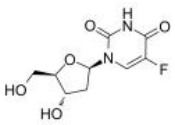


Purity: 98.02%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg

## Floxuridine

(5-Fluorouracil 2'-deoxyriboside) Cat. No.: HY-B0097

Floxuridine (5-Fluorouracil 2'-deoxyriboside) is a pyrimidine analog and known as an **oncology antimetabolite**.

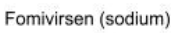


Purity: 99.76%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 200 mg, 500 mg

## Fomivirsen sodium

Cat. No.: HY-109528

Fomivirsen sodium is an antisense 21 mer phosphorothioate oligonucleotide. Fomivirsen is an **antiviral agent** that is used **cytomegalovirus retinitis (CMV)** research, incluiding in AIDs.

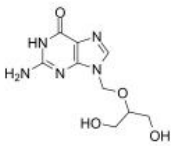



Purity: ≥99.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

## Ganciclovir

(BW 759; 2'-Nor-2'-deoxyguanosine) Cat. No.: HY-13637

Ganciclovir (BW 759), a nucleoside analogue, is an orally active antiviral agent with activity against **CMV**. Ganciclovir also has activity in vitro against members of the **herpes group** and some other DNA viruses.

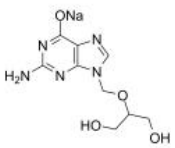


Purity: 99.77%
Clinical Data: Launched
Size: 100 mg, 1 g, 5 g

## Ganciclovir sodium

(BW 759 sodium; 2'-Nor-2'-deoxyguanosine sodium) Cat. No.: HY-13637A

Ganciclovir (BW 759) sodium, a nucleoside analogue and an orally active antiviral agent, shows activity against **CMV**. Ganciclovir sodium also has activity in vitro against members of the **herpes group** and some other DNA viruses.

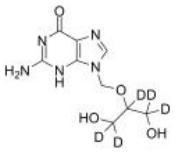


Purity: 99.85%
Clinical Data: Launched
Size: 10 mM × 1 mL, 100 mg, 1 g

## Ganciclovir-d5

(BW 759-d5; 2'-Nor-2'-deoxyguanosine-d5) Cat. No.: HY-13637S

Ganciclovir-d5 (BW 759-d5) is the deuterium labeled Ganciclovir. Ganciclovir (BW 759), a nucleoside analogue, is an orally active antiviral agent with activity against **CMV**.

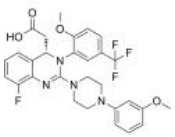


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

## Letermovir

(AIC246) Cat. No.: HY-15233

Letermovir (AIC246) is a potent inhibitor of **CMV**, which targets the viral terminase complex and remains active against virus resistant to DNA polymerase inhibitors.

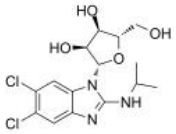


**Purity:** 99.38%
**Clinical Data:** Launched
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

## Maribavir

(1263W94; BW1263W94; GW257406X) Cat. No.: HY-16305

Maribavir is a potent inhibitor of histone phosphorylation catalyzed by wild-type pUL97 in vitro, with an $IC_{50}$ of 3 nM. Maribavir has potent antiviral activity against **HCMV** and Epstein-Barr virus (**EBV**).

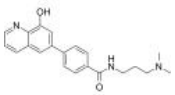


**Purity:** 99.66%
**Clinical Data:** Launched
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

## ML324

Cat. No.: HY-12725

ML324 is a potent **JMJD2** demethylase inhibitor with antiviral activity. ML324 also exhibits inhibition for the histone demethylase **KDM4B**, with an $IC_{50}$ of 4.9 μM.

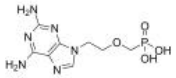


**Purity:** 98.60%
**Clinical Data:** No Development Reported
**Size:** 10 mM × 1 mL, 10 mg, 50 mg, 100 mg

## PMEDAP

Cat. No.: HY-106382

PMEDAP is a potent inhibitor of human immunodeficiency virus **(HIV)** replication. PMEDAP has anti-murine cytomegalovirus (MCMV) activity. PMEDAP is a very potent inhibitor of Moloney murine sarcoma virus (MSV)-induced tumor formation and associated mortality.

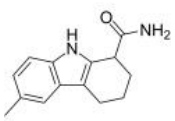


**Purity:** ≥98.0%
**Clinical Data:** No Development Reported
**Size:** 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

## SIRT1-IN-1

Cat. No.: HY-136199

SIRT1-IN-1 is a selective **SIRT1** inhibitor with an $IC_{50}$ of 0.205 μM. SIRT1-IN-1 inhibits SIRT2 with an $IC_{50}$ of 11.5 μM. SIRT1-IN-1, a indole, is a **cytomegalovirus (CMV)** inhibitors and has antiviral activity.

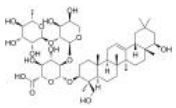


**Purity:** 98.01%
**Clinical Data:** No Development Reported
**Size:** 5 mg, 10 mg

## Soyasaponin II

Cat. No.: HY-122920

Soyasaponin II is a saponin with antiviral activity. Soyasaponin II inhibits the replication of HSV-1, HCMV, influenza virus, and HIV-1. Soyasaponin II shows potent inhibition on HSV-1 replication.

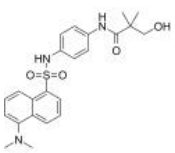


**Purity:** 99.81%
**Clinical Data:** No Development Reported
**Size:** 1 mg

## Tomeglovir

(BAY 38-4766) Cat. No.: HY-108261

Tomeglovir is a potent anti-**CMV** agent, inhibiting processing of viral DNA-concatemers, with $IC_{50}$s of 0.34 μM and 0.039 μM for HCMV and MCMV.

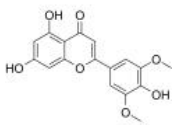


**Purity:** 99.45%
**Clinical Data:** No Development Reported
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

## Tricin

Cat. No.: HY-N1127

Tricin is a natural flavonoid present in large amounts in rice bran. Tricin can inhibit **human cytomegalovirus (HCMV)** replication by inhibiting CDK9.

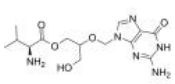


**Purity:** 99.01%
**Clinical Data:** No Development Reported
**Size:** 5 mg, 10 mg

## Valganciclovir

Cat. No.: HY-A0032

Valganciclovir, the L-valyl ester of ganciclovir, is actually a prodrug for ganciclovir. Valganciclovir is an antiviral medication used to treat cytomegalovirus infections.

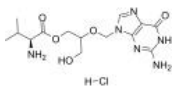


**Purity:** >98%
**Clinical Data:** Launched
**Size:** 1 mg, 5 mg

## Valganciclovir hydrochloride

Cat. No.: HY-A0032A

Valganciclovir (hydrochloride), the L-valyl ester of ganciclovir, is actually a prodrug for ganciclovir. Valganciclovir is an antiviral medication used to treat cytomegalovirus infections.

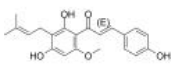


**Purity:** ≥99.0%
**Clinical Data:** Launched
**Size:** 10 mM × 1 mL, 50 mg, 100 mg

## Xanthohumol

**Cat. No.:** HY-N1067

Xanthohumol is one of the principal flavonoids isolated from hops, the inhibitor of diacylglycerol acetyltransferase (**DGAT**), **COX-1** and COX-2, and shows anti-cancer and anti-angiogenic activities.




**Purity:** 99.84%
**Clinical Data:** Phase 1
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg