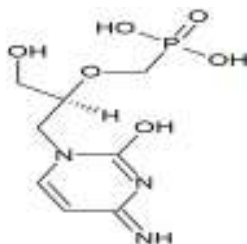


# Cidofovir

**ALTERNATE NAME:** P-[[[(1S)-2-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1-(hydroxymethyl)ethoxy]methyl]-phosphonic acid  
GS-0504  
HPMPC  
Vistide

**CATALOG #:** B2682-10 10 mg  
B2682-50 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>8</sub>H<sub>14</sub>N<sub>3</sub>O<sub>6</sub>P

**MOLECULAR WEIGHT:** 279.19

**CAS NUMBER:** 113852-37-2

**APPEARANCE:** White to off-white solid

**PURITY:** ≥95%

**SOLUBILITY:** ~ 2 mg/ml (PBS, pH 7.2)

**DESCRIPTION:** Cidofovir is a selective inhibitor of viral DNA synthesis through the selective inhibition of viral DNA polymerase. In vitro, cidofovir is converted to cidofovir diphosphate which incorporates into viral DNA, selectively inhibiting CMV replication and CMV DNA synthesis with IC<sub>50</sub> values of 0.1 μM. Cidofovir has significantly long-lasting antiviral action because of the long half-life of its metabolites whose cellular uptake is slow due to the presence of the negatively charged phosphonate group.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Fotemustine (B2648)  
Fludarabine Phosphate (1763)  
Cytarabine (B2661)  
Carmofur (B2448)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*