

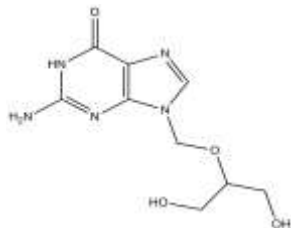
## PRODUCT: Ganciclovir

**ALTERNATE NAME:** 2-Amino-9-[[[(1,3-dihydroxypropan-2-yl)oxy]methyl]-6,9-dihydro-3*H*-purin-6-one

**CATALOG #:** 1918-50, 250, 1000

**AMOUNT:** 50 mg, 250 mg, 1 g

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>9</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 255.23

**CAS NUMBER:** 82410-32-0

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (~5 mg/ml) or H<sub>2</sub>O (~ 2 mg/ml)

**PURITY:** ≥99%

**STORAGE:** Store at +2 to + 8 °C

**DESCRIPTION:** An acyclic analog of the nucleoside guanosine, chemically related to acyclovir. It inhibits the replication of viruses including CMV, Herpes Simplex, Varicella Zoster and Epstein-Barr. It inhibits virus replication by its incorporation into viral DNA. This incorporation inhibits dATP and leads to defective DNA, ceasing or retarding the viral machinery required to spread the virus to other cells.

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

### RELATED PRODUCTS:

Acyclovir (Cat. No. 2200-50, 250)

5-Azacytidine (Cat. No. 1854-50, 250)

6-Azauridine (Cat. No. B1024-100, 500)

(-)-6-Azauridine 2', 3', 5'-triacetate (Cat. No. B1025-50, 250)

Azidothymidine (Cat. No. B1113-10, 50)

Clemizole (Cat. No. 2481-10,50)

GSK1349572 (Cat. No. 2288-5, 25)

Ribavirin (Cat. No. 2199-10, 50)

Simeprevir (Cat. No. B1173-5,25)

T-705 (Favipiravir) (Cat. No. 2778-5,25)

Valacyclovir hydrochloride (Cat. No. 2201-10, 50)

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