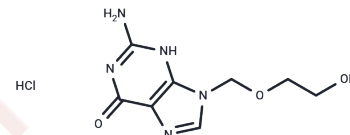


## Acyclovir hydrochloride

### Chemical Properties

CAS No. : 1628039-62-2  
 Formula: C<sub>8</sub>H<sub>12</sub>ClN<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 261.67  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



### Biological Description

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Acyclovir (Aciclovir) hydrochloride is an effective oral antiviral agent with potent anti-herpetic activity. It exhibits IC <sub>50</sub> values of 0.85 μM for HSV-1 and 0.86 μM for HSV-2, indicating strong inhibitory effects against these strains. Additionally, Acyclovir hydrochloride induces cell cycle disturbances and apoptosis. This compound also prevents bacterial infections during induction therapy for acute leukemia. |
| Targets(IC50) | Apoptosis, Antibacterial, Antibiotic, HSV                                                                                                                                                                                                                                                                                                                                                                                                   |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.8216 mL | 19.108 mL | 38.2161 mL |
| 5 mM  | 0.7643 mL | 3.8216 mL | 7.6432 mL  |
| 10 mM | 0.3822 mL | 1.9108 mL | 3.8216 mL  |
| 50 mM | 0.0764 mL | 0.3822 mL | 0.7643 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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