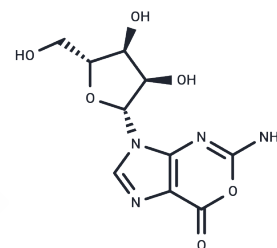


## Oxanosine

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 80394-72-5  |
| Formula:          | C10H12N4O6  |
| Molecular Weight: | 284.23  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |   |
|---------------|---|
| Description   | Oxanosine is an analog of guanosine that has been found in <i>S. capreolus</i> and has diverse biological activities, including antibacterial, antiviral, and anticancer properties. It is active against a variety of bacteria, including <i>S. flexneri</i> , <i>P. mirabilis</i> , and <i>E. coli</i> (MICs = 6.25, 12.5, 25 µg/ml, respectively, on peptone, but not nutrient, agar). Oxanosine inhibits replication of the HIV-1 strain IIIb in infected CEM and U937, but not H9, cells (EC50s = 7, 27, and >500 µg/ml, respectively). It also inhibits the growth of HeLa human cervical cancer cells (IC50 = 32 µg/ml) and reduces tumor growth in a murine L1210 lymphocytic leukemia model. |
| Targets(IC50) | Others,Antibiotic,Adenosine Deaminase   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.5183 mL | 17.5914 mL | 35.1828 mL |
| 5 mM  | 0.7037 mL | 3.5183 mL  | 7.0366 mL  |
| 10 mM | 0.3518 mL | 1.7591 mL  | 3.5183 mL  |
| 50 mM | 0.0704 mL | 0.3518 mL  | 0.7037 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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