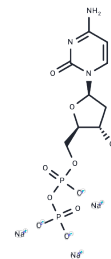


## 2'-Deoxycytidine-5'-diphosphate trisodium

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 151151-32-5   |
| Formula:          | C <sub>9</sub> H <sub>12</sub> N <sub>3</sub> Na <sub>3</sub> O <sub>10</sub> P <sub>2</sub>  |
| Molecular Weight: | 453.12  |
| Storage:          | Keep away from moisture, Keep away from direct sunlight<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | 2'-Deoxycytidine-5'-diphosphate trisodium (dCDP) is used as a substrate of CDP (nucleoside diphosphate) kinase (2.7.4.6) for the production of dCTP to support DNA biosynthesis and reverse transcription. |
| Targets(IC50) | Endogenous Metabolite  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: Slightly soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2069 mL | 11.0346 mL | 22.0692 mL |
| 5 mM  | 0.4414 mL | 2.2069 mL  | 4.4138 mL  |
| 10 mM | 0.2207 mL | 1.1035 mL  | 2.2069 mL  |
| 50 mM | 0.0441 mL | 0.2207 mL  | 0.4414 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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