

dUDP disodium

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 102814-06-2 |
| Formula: | C ₉ H ₁₂ N ₂ Na ₂ O ₁₁ P ₂ |
| Molecular Weight: | 432.13 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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|---------------|--|
| Description | dUDP disodium is a nucleotide that plays a crucial role in DNA synthesis. It consists of a uracil base, a ribose sugar, and two phosphate groups. dUDP disodium serves as a substrate for the enzyme deoxyuridine triphosphatase, which catalyzes the conversion of dUDP to dUMP, a precursor for dTTP synthesis. This compound is involved in various biochemical processes and can be utilized for multiple biochemical analyses and applications. |
| Targets(IC50) | Nucleoside Antimetabolite/Analog |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.3141 mL | 11.5706 mL | 23.1412 mL |
| 5 mM | 0.4628 mL | 2.3141 mL | 4.6282 mL |
| 10 mM | 0.2314 mL | 1.1571 mL | 2.3141 mL |
| 50 mM | 0.0463 mL | 0.2314 mL | 0.4628 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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