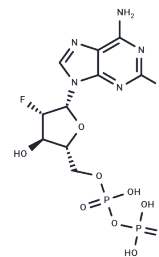


Clofarabine-5'-diphosphate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 167620-89-5 |
| Formula: | C ₁₀ H ₁₃ ClFN ₅ O ₉ P ₂ |
| Molecular Weight: | 463.64 |
| 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 | Clofarabine-5'-diphosphate (Clofarabine-DP) is a metabolite resulting from the phosphorylation of Clofarabine by deoxycytidine kinase (dCK). It can undergo further phosphorylation to become Clofarabine-5'-triphosphate, exhibiting cytotoxicity in cancer cells by inhibiting DNA synthesis and repair. |
| Targets(IC50) | DNA/RNA Synthesis |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1568 mL | 10.7842 mL | 21.5685 mL |
| 5 mM | 0.4314 mL | 2.1568 mL | 4.3137 mL |
| 10 mM | 0.2157 mL | 1.0784 mL | 2.1568 mL |
| 50 mM | 0.0431 mL | 0.2157 mL | 0.4314 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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