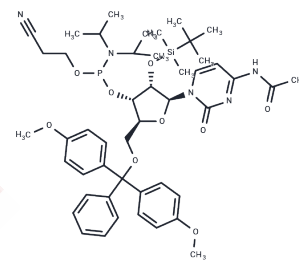


Ac-rC Phosphoramidite

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 121058-88-6 |
| Formula: | C47H64N5O9PSi |
| Molecular Weight: | 902.1 |
| 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 | Ac-rC Phosphoramidite can modify phosphodisulfide oligonucleotides. |
| Targets(IC50) | Nucleoside Antimetabolite/Analog, DNA/RNA Synthesis |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 95 mg/mL (105.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Corn Oil: 3.3 mg/mL (3.66 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.1085 mL | 5.5426 mL | 11.0852 mL |
| 5 mM | 0.2217 mL | 1.1085 mL | 2.217 mL |
| 10 mM | 0.1109 mL | 0.5543 mL | 1.1085 mL |
| 50 mM | 0.0222 mL | 0.1109 mL | 0.2217 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.

Reference

Wipapat Kladwang, et al. Anomalous Reverse Transcription through Chemical Modifications in Polyadenosine Stretches. *Biochemistry*. 2020 Jun 16;59(23):2154-2170.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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