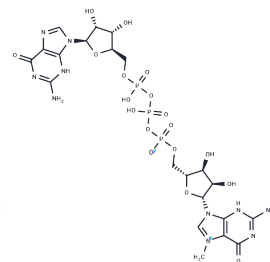


7-Methyl-diguanosine triphosphate

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 62828-64-2 |
| Formula: | C ₂₁ H ₂₉ N ₁₀ O ₁₈ P ₃ |
| Molecular Weight: | 802.436 |
| 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 | 7-Methyl-diguanosine triphosphate (m7Gp3G) is a cap analog that incorporates into mRNA, significantly influencing translation and mRNA degradation in mammalian cells. |
| Targets(IC50) | Others,DNA/RNA Synthesis |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.2462 mL | 6.231 mL | 12.462 mL |
| 5 mM | 0.2492 mL | 1.2462 mL | 2.4924 mL |
| 10 mM | 0.1246 mL | 0.6231 mL | 1.2462 mL |
| 50 mM | 0.0249 mL | 0.1246 mL | 0.2492 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

Ewa Grudzien, et al. Differential inhibition of mRNA degradation pathways by novel cap analogs. J Biol Chem. 2006 Jan 27;281(4):1857-67.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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