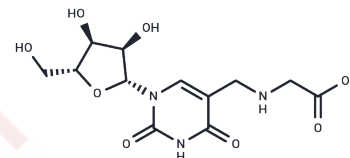


Uridine-5-methylamino acetic acid

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 69181-26-6 |
| Formula: | C ₁₂ H ₁₇ N ₃ O ₈ |
| Molecular Weight: | 331.28 |
| Storage: | Store at low temperature 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

| | |
|---------------|--|
| Description | Uridine-5-methylamino acetic acid (CMAMU) is a derivative of glycine and uracil with a substituent at position 5 of the uracil ring, and is commonly used to study the synthesis and translation processes of nucleic acids, RNA and tRNA. |
| Targets(IC50) | Nucleoside Antimetabolite/Analog,Amino Acids and Derivatives |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 3.0186 mL | 15.093 mL | 30.1859 mL |
| 5 mM | 0.6037 mL | 3.0186 mL | 6.0372 mL |
| 10 mM | 0.3019 mL | 1.5093 mL | 3.0186 mL |
| 50 mM | 0.0604 mL | 0.3019 mL | 0.6037 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

Cavanagh BL, et al. Thymidine analogues for tracking DNA synthesis. *Molecules*. 2011 Sep 15;16(9):7980-93.

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