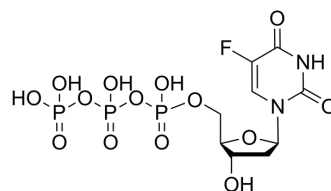


5-Fluoro-2'-deoxy-UTP

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-155878 | | |
| CAS No.: | 2710-64-7 | | |
| Molecular Formula: | C ₉ H ₁₄ FN ₂ O ₁₄ P ₃ | | |
| Molecular Weight: | 486.13 | | |
| Target: | Biochemical Assay Reagents; DNA/RNA Synthesis | | |
| Pathway: | Others; Cell Cycle/DNA Damage | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (514.27 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|--------------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 2.0571 mL | 10.2853 mL | 20.5706 mL |
| | 5 mM | 0.4114 mL | 2.0571 mL | 4.1141 mL |
| | 10 mM | 0.2057 mL | 1.0285 mL | 2.0571 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Fluoro-2'-deoxy-UTP can be used as a substrate for DNA synthesis^[1].

REFERENCES

[1]. Anilkumar R. Kore, et al. Efficient synthesis of terminal 4-methylumbelliferyl labeled 5-fluoro-2'-deoxyuridine-5'-O-tetraphosphate (Um-PPPP-FdU): a potential probe for homogenous fluorescent assay. Tetrahedron Letters. Volume 55, Issue 34, 20 August 2014, Pages 4822-4825.

Caution: Product has not been fully validated for medical applications. For research use only.

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