

dUTP trisodium

Chemical Properties

CAS No. : 102814-08-4

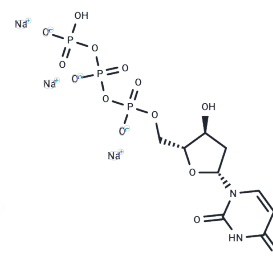
Formula: C₉H₁₂N₂Na₃O₁₄P₃

Molecular Weight: 534.09

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	dUTP trisodium (Deoxyuridine triphosphate) is a deoxyuridine phosphate having a triphosphate group at the 5'-position and can be used for PCR.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), Sonication and heating to 80°C are recommended. H ₂ O: 120 mg/mL (224.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8723 mL	9.3617 mL	18.7234 mL
5 mM	0.3745 mL	1.8723 mL	3.7447 mL
10 mM	0.1872 mL	0.9362 mL	1.8723 mL
50 mM	0.0374 mL	0.1872 mL	0.3745 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

Nayun Kim, et al. dUTP incorporation into genomic DNA is linked to transcription in yeast. Nature. 2009 Jun 25;459 (7250):1150-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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