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5-Aminoallyl-UTP (AA-UTP), 10 mM in TE buffer

Catalog Number	Packaging Size
C402	100 μL

Storage upon receipt: -20°C

I. Product Description

5-Aminoallyl-UTP (5-[3-aminoallyl]-2'-uridine-5'-triphosphate) is supplied as lyophilized form. The nucleotide is designed for indirect nonradioactive enzymatic labeling of RNA during *in vitro* transcription. 5-Aminoallyl-UTP can be enzymatically incorporated into RNA with T7, T3 and SP6 RNA polymerases. The resulting amine-containing RNA can be subsequently labeled with any amine-reactive fluorescent dye, biotin, or hapten. This two-step method for labeling nucleic acids is considerably more economical than the one-step method using a prelabeled UTP.

II. Specifications

Concentration: 10 mM in TE buffer
Storage: Store at -20°C
Molecular Formula: $C_{12}H_{17}N_3Na_3O_{15}P_3$
Molecular Weight: 605.17

III. General Characteristics

$\lambda max=240$ nm, $\varepsilon=11.9 \times 10^3$ $M^{-1}cm^{-1}$ (pH 7.0);

$\lambda max=290$ nm, $\varepsilon=7.8 \times 10^3$ $M^{-1}cm^{-1}$ (pH 7.0).