

Introduction

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 pre-labeled UTP.

Package Information

Component	M0071
5-Aminoallyl-UTP	100 µl

Storage

Store at -20°C.

Specifications

Concentration: 10 mM solution in TE buffer

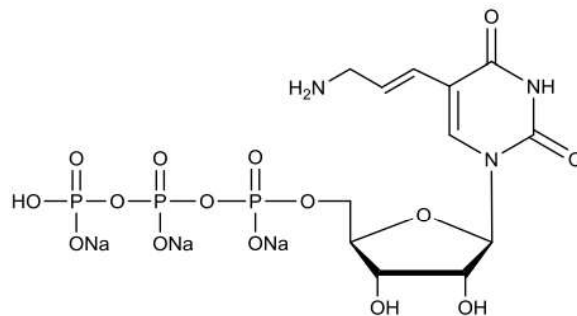
Molecular Formula: $C_{12}H_{17}N_3Na_3O_{15}P_3$

Molecular Weight: 605.17

5-Aminoallyl-UTP

Cat. #: M0071 Size: 100 µl

General Characteristics



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

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