

Email: support@lifescct.com
Tel: +1-301-890-6420 Fax: +1-240-252-7376
9610 Medical Center Drive, Rockville, MD 20850

Introduction

5-Aminoallyl-dUTP (5-[3-aminoallyl]-2'-deoxyuridine-5'-triphosphate) is supplied as 10 mM solution in TE buffer. The nucleotide is designed for enzymatic indirect non-radioactive labeling of DNA during cDNA synthesis, PCR, nick-translation, random-primed labeling, or primer extension. 5-Aminoallyl-dUTP can be enzymatically incorporated into DNA with Reverse Transcriptases, Taq DNA Polymerase, phi29 DNA Polymerase, Klenow Fragment, Klenow Fragment, exo- and DNA Polymerase I. The resulting amine-containing DNA 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 dUTP.

Package Information

Component	M0070
5-Aminoallyl-dUTP	100 μ l

Storage

Store at -20°C.

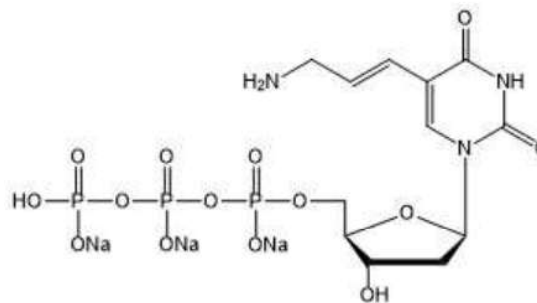
Specifications

Concentration: 10 mM solution in TE buffer
Molecular Formula: $C_{12}H_{17}N_3Na_3O_{14}P_3$
Molecular Weight: 589.17

5-Aminoallyl-dUTP

Cat. #: M0070 Size: 100 μ l

General Characteristics



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

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