

BIOSAN,  
28, Ingenernaya Str.  
630090, Novosibirsk, Russia  
tel.: +7(383) 363-51-91, 363-22-40  
fax: +7(383) 363-51-91  
[mail@biosan-nsk.ru](mailto:mail@biosan-nsk.ru)  
[www.biosan-nsk.ru](http://www.biosan-nsk.ru)



## DATA QUALITY SHEET

5-Aminoallyl-2'-deoxyuridine-5'-Triphosphate (Aminoallyl-dUTP), ammonium salt

FOR RESEARCH USE ONLY

**Description**

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.

Applications

Enzymatic indirect non-radioactive labeling of DNA during cDNA synthesis, PCR, nick-translation, random-primed labeling, or primer extension.

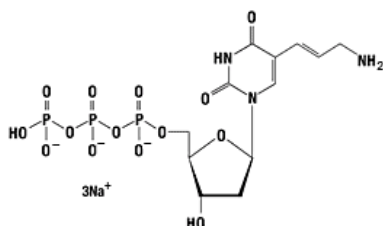
**Delivery form** Sterile water solution of ammonium salt nucleotide. Colorless transparent liquid.

**Concentration** 0.1 M

**Quality control**

- Purity according to HPLC analysis is not less than 98%.
- The concentration is determined spectrophotometrically,  $\lambda_{\max} = 290$  nm.

**Structural formula (free acid)**



**Formula**  $C_{12}H_{20}N_3O_{14}P_3$  (free acid)

**Molecular weight** 523.2 g/mol (free acid)

**Storage** -20°C. Avoid repeated freeze/thaw cycles. Upon first use, it is recommended to aliquot sample into single use portions.

**Transportation** Blue ice.