

# Aminoallyl-dUTP, molecular biology grade

## 5-(3-aminoallyl)-2'-deoxyuridine-5'-triphosphate, sodium salt

Catalog Number R0091

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**WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](http://thermofisher.com/support).

### Product description

Aminoallyl-dUTP (5-[3-aminoallyl]-2'-deoxyuridine-5'-triphosphate) is supplied as 10 mM aqueous solution titrated to pH 7.0-7.5 with NaOH. The nucleotide is designed for enzymatic indirect non-radioactive labeling of DNA during cDNA synthesis, PCR, nick-translation, random-primed labeling, or primer extension. 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.

### General characteristics

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

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

### Contents and storage

Contents	Formula	Molecular weight	Amount	Storage
Aminoallyl-dUTP	C <sub>12</sub> H <sub>17</sub> N <sub>3</sub> O <sub>14</sub> P <sub>3</sub> Na <sub>3</sub>	589.2 (acid form: 523.2)	0.1 mL, 1 μmol, 10 mM	-25 °C to -15 °C

### Limited product warranty

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Thermo Fisher Scientific Baltics UAB | V.A. Graiciuno 8, LT-02241 Vilnius, Lithuania

For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](http://thermofisher.com/symbols-definition).

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