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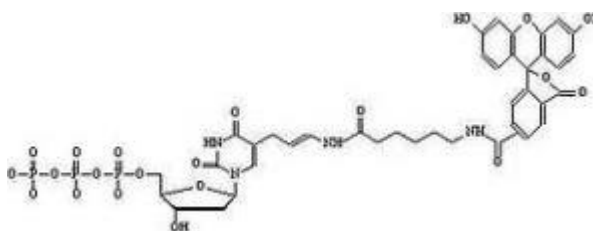
## DATA QUALITY SHEET

### Fluorescein-12-dUTP (Fluorescein-5(6)-carboxaminocaproyl-[5-{3-aminoallyl}-2'-deoxyuridine-5'-triphosphate])

FOR RESEARCH USE ONLY

<b>Description</b>	Fluorescein-12-dUTP (Fluorescein-5(6)-carboxaminocaproyl-[5-{3-aminoallyl}-2'-deoxyuridine-5'-triphosphate]) is supplied as 1 mM aqueous solution. The nucleotide is designed for enzymatic nonradioactive labeling of DNA during cDNA synthesis, PCR, nick-translation, random primed labeling, or primer extension. The nucleotide can be enzymatically incorporated into DNA with Reverse Transcriptases, Taq DNA Polymerase, phi29 DNA Polymerase, Klenow Fragment, exo , Klenow Fragment and DNA Polymerase I
<b>Delivery form</b>	Sterile water solution of ammonium salt nucleotide. Colorless transparent liquid.
<b>Concentration</b>	0.001 M
<b>Quality control</b>	<ul style="list-style-type: none"><li>– Purity according to HPLC analysis is not less than 96%.</li><li>– Product is free of DNases, RNases and phosphatases activities.</li><li>– The concentration is determined spectrophotometrically, <math>\lambda_{\max} = 495</math> nm.</li></ul>

### Structural formula (free acid)



<b>Formula</b>	$C_{39}H_{41}N_4O_{21}P_3$
<b>Molecular weight</b>	994.7 g/mol
<b>Storage</b>	-20°C in the dark. Avoid multiple freezing-thawing.
<b>Transportation</b>	Blue ice