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Introduction

Biotin-11-dUTP (biotin- ϵ -aminocaproyl-[5-(3-aminoallyl)]-2'-deoxyuridine-5'-triphosphate) is supplied as 1 mM solution in TE buffer. The nucleotide is designed for enzymatic non-radioactive labeling of DNA by PCR, nick-translation, cDNA synthesis, random primed labeling, or primer extension. Biotin-11-dUTP can be enzymatically incorporated into DNA with Reverse Transcriptases, Taq DNA Polymerase, phi29 DNA Polymerase, Klenow Fragment, exo-, Klenow Fragment, and DNA Polymerase I. The number '11' is the number of atoms in the linker between biotin and dUTP.

Package Information

Component	M0072
Biotin-11-dUTP	50 μ l

Storage

Store at -20°C.

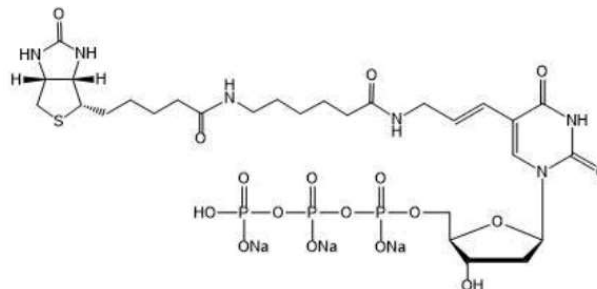
Specifications

Concentration: 1 mM solution in TE buffer
Molecular Formula: $C_{28}H_{42}N_6Na_3O_{17}P_3S$
Molecular Weight: 928.6

Biotin-11-dUTP

Cat. #: M0072 Size: 50 μ l

General Characteristics



$\lambda_{max}=240$ nm, $\epsilon=10.7 \times 10^3$ M⁻¹cm⁻¹ (pH 7.0);

$\lambda_{max}=289$ nm, $\epsilon =7.1 \times 10^3$ M⁻¹cm⁻¹ (pH 7.0).