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Introduction

Biotin-11-UTP is supplied as 10 mM solution in TE buffer. The nucleotide is designed for indirect nonradioactive enzymatic labeling of RNA during in vitro transcription. Biotin-11-UTP can be enzymatically incorporated into RNA with T7, T3 and SP6 RNA polymerases, as well as other RNA modifying enzymes. The number '11' is the number of atoms in the linker between biotin and UTP. Biotinylated RNA can be used in place of radioactively labeled RNA in many applications, including cRNA amplification and labeling for microarray target preparation. Detection is then carried out via one of a variety of streptavidin-based methods.

Package Information

Component	M0073
Biotin-11-UTP	50 μ l

Storage

Store at -20°C.

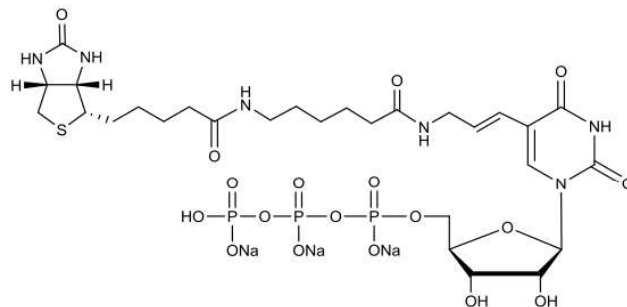
Specifications

Concentration: 10 mM solution in TE buffer
Molecular Formula: $C_{28}H_{42}N_6Na_3O_{18}P_3S$
Molecular Weight: 944.62

Biotin-11-UTP

Cat. #: M0073 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).