

AA-dUTP

CATALOG NUMBER: AU-013-0140, 1 μ mol (10 mM x 100 μ l)

Application

AA-dUTP can be used for enzymatic indirect non-radioactive labeling of DNA in PCR, nick-translation, cDNA synthesis or primer extension reactions. It can be incorporated into DNA using Reverse Transcriptases, Taq DNA Polymerase, and Klenow Fragment. The resulting aminoallyl-containing DNA can be subsequently labeled with any amine-reactive fluorescent dye, biotin or hapten, resulting in a uniform and high density labeling of DNA.

Description

AA-dUTP (5-(3-aminoallyl)-2'-deoxyuridine 5'-triphosphate) is supplied as a 10 mM aqueous solution at pH 7.0. Purity \geq 96%.

Storage Condition

Stable at -20°C for at least 6 month.

Diluent

dd-H₂O.

Concentration

1 μ mol (100 μ l of 10 mM solution).

Purity

96-99% (HPLC).

Formula

C₁₂H₂₀N₃O₁₄P₃Na₃, Molecular Weight (523.22, free acid basis)

