

Cy[®]3-X-dUTP, 1 mM in TE buffer

(Cat #: N136)

Introduction:

Cy[®]3-X-dUTP is supplied as 1 mM solution in TE buffer. The nucleotide is designed for enzymatic non-radioactive labeling of DNA by PCR, nicktranslation, cDNA synthesis, random primed labeling, or primer extension. Cy[®]3-X-dUTP can be enzymatically incorporated into DNA with Reverse Transcriptase, Taq DNA Polymerase, phi29 DNA Polymerase, Klenow Fragment, exo-, Klenow Fragment and DNA Polymerase I. The X linker between Cy[®]3 and dUTP can improve the incorporation efficiency.

Applications:

Enzymatic non-radioactive labeling of DNA during cDNA synthesis, PCR, nick-translation, random primed labeling, or primer extension.

Table 1: Product Package & Storage

Cat #	Product Name	Volume	Storage
N136	Cy [®] 3-X-dUTP, 1 mM in TE buffer	25 μ L	Store upon receipt: -20 °C, protect from light.

Specification:

Excitation/Emission (nm): 553/565 nm

Concentration: 1 mM solution in TE buffer

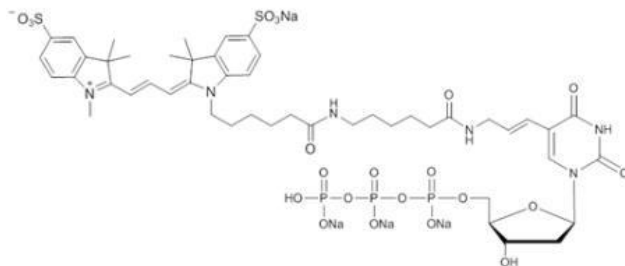
Storage: Store at -20°C

Molecular Formula: C₄₈H₆₁N₆Na₄O₂₂P₃S₂

Molecular Weight: 1323.04

General Characteristics

λ_{\max} =550 nm, ϵ =150.0 $\times 10^3$ M⁻¹cm⁻¹.



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