

## 5-FAM-X-dUTP, 1 mM in TE buffer

(Cat #: N126)

### Introduction:

5-FAM-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. 5-FAM-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 FAM 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
N126	5-FAM-X-dUTP, 1 mM in TE buffer	25 $\mu$ L	Store upon receipt: -20 °C, protect from light.

### Specification:

Excitation/Emission (nm): 495/518 nm

Concentration: 1 mM in TE buffer

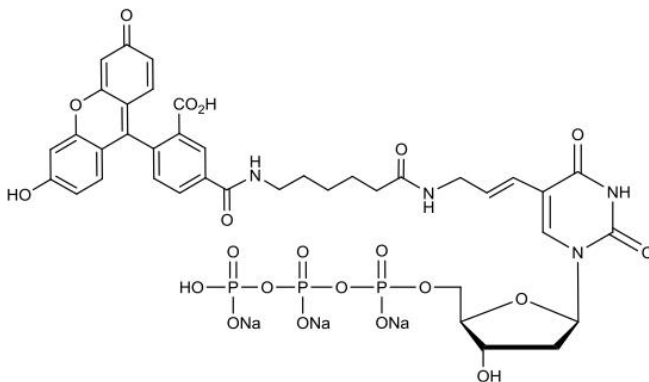
Storage: Store at -20°C

Molecular Formula: C<sub>39</sub>H<sub>38</sub>N<sub>4</sub>Na<sub>3</sub>O<sub>21</sub>P<sub>3</sub>

Molecular Weight: 1060.62

### General Characteristics

$\lambda_{\max}$ =495 nm,  $\epsilon$ =70.0  $\times 10^3$  M<sup>-1</sup>cm<sup>-1</sup> (pH 8.0).



**For Research Use Only. Not for use in diagnostic procedures.**