

Fluorescein-12-dUTP

CATALOG NUMBER: FU-013-0125, 50 nmol (1 mM x 50 µl)

Application

In situ Hybridization or Elisa.

Fluorescein labeled probes show yellow fluorescence. It is frequently used with Rho-5-dUTP (red fluorescence) in multiple fluorescence labeling.

Description

Fluorescein-5(6)-carboxamidocaproyl-[5-(3-aminoallyl)-2'- deoxyuridine 5'-triphosphate], Li-salt.

Flu-12-dUTP is used for the fluorescent labelling of DNA by DNA polymerase (holoenzyme and Klenow fragment), Taq DNA polymerases, terminal deoxynucleosidtransferase, and reverse-transcriptase.

Storage

Store at -20 °C, protect from light.

Concentration

50 nmol (50 µl of 1 mM solution, pH7.5).

Purity

96-99% (HPLC), PCR grade. No presence of RNA/DNA, DNase or RNase activities detected. Free of phosphatase and pyrophosphates.

Spectral Data

Maximum excitation: 495 nm;

Maximum emission: 521 nm

Formula

$C_{39}H_{37}N_4O_{21}P_3Li_4$; Molecular Weight (1018.4).

