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FAM-11-dUTP, 6-isomer

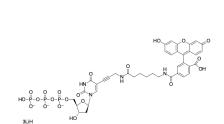
http://cn.lumiprobe.com/p/fam-11-dutp-6

6-FAM-11-2'-deoxyuridine-5'-triphosphate, trilithium salt, is a common agent for non-radioactive DNA labeling.

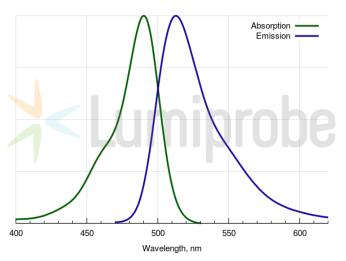
FAM (fluorescein) is a popular green-fluorescent dye with an emission maximum at 513 nm. This derivative is a pure FAM 6-isomer.

In contrast to triphosphates with a dye directly linked to aminoallyl-dUTP, this triphosphate contains a linker of 11 atoms between the fluorophore and the nitrogenous base. This linker length prevents FAM-label from potential static quenching and increases the efficiency of nucleotide incorporation during DNA synthesis.

6-FAM-11-dUTP can be used to produce a labeled product during Nick-translation. Synthesized fluorescence-labeled DNA probes can be used to detect specific sequences by Southern blot, Northern blot, *in situ* hybridization, or by microarray analysis.



荧光 量子 产率: CF₂₆₀: 0.22 CF₂₈₀: 0.17



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外观: 黄色固体
 分子 1013.49
 量:
 IUPAC\ ((2R,3S,5R)-5-(5-(3-(6-(3-carboxy-4-(6-hydroxy-3-oxo-3H-xanthen-9-y))benzamido) prop-1-yn-1-yl)-2, 4-dioxo-3, 4-dihydropyrimidin-1(2H)-yl)-3-hydroxytetrahydrofuran-2-yl) methyl (2R,3S,5R)-3-(5-(3-(6-(3-carboxy-4-(6-hydroxy-3-oxo-3H-xanthen-9-y))benzamido) prop-1-yn-1-yl)-2, 4-dioxo-3, 4-dihydropyrimidin-1(2H)-yl)-3-hydroxytetrahydrofuran-2-yl) methyl (2R,3S,5R)-3-(5-(3-(6-(3-carboxy-4-(6-hydroxy-3-oxo-3H-xanthen-9-yl))benzamido) prop-1-yn-1-yl)-2, 4-dioxo-3, 4-dihydropyrimidin-1(2H)-yl)-3-hydroxytetrahydrofuran-2-yl) methyl (3R,3S,5R)-3-(5-(3-(6-(3-carboxy-4-(6-hydroxy-3-oxo-3H-xanthen-9-yl)) prop-1-yn-1-yl)-2, 4-dioxo-3, 4-dihydropyrimidin-1(2H)-yl)-3-hydroxytetrahydrofuran-2-yl) methyl (3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(3R,3S,5R)-3-(
  名称: hydrogen triphosphate
 度:
 控制:
                          本产品仅供研究目的提供和销售。本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试,且未经明示或暗示授权用于其他任何用途,包括但不限于体外诊断、人类或动物用
 法律
 声明: 途,以及商业用途。
 激发/ 492
吸收
极大
 ε, 摩 74000
  光系
 数 cm:
 发射 517
 纳米:
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