

## FAM-11-dCTP, 6-isomer

<http://hk.lumiprobe.com/p/fam-11-dctp-6>

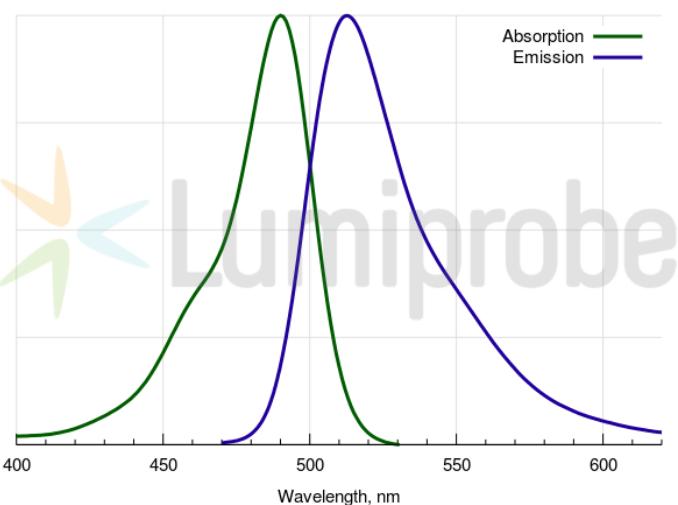
6-fluorescein (FAM) derivative of deoxycytidine triphosphate (dCTP).

FAM 6-isomer is a common fluorophore used for labeling biomolecules; FAM has a high quantum yield and bright green emission.

FAM-11-dCTP can be used for enzymatic DNA labeling via Nick-translation, 3'-end labeling, random primed labeling, PCR, or cDNA synthesis. FAM-11-dCTP is incorporated into the growing DNA chain by Taq-polymerase, DNA-polymerase I, Phi 29 polymerase, Klenow fragment, reverse transcriptase, or terminal transferase.

The linker length (11 carbon atoms) is optimal for the efficient incorporation of fluorescently-labeled dCTP into the growing DNA chain.

Labeled DNA can be used for FISH experiments, microarray gene profiling, Southern blot, and Northern blot.



外观:  
 分子量: 1012.5  
 分子式: C<sub>39</sub>H<sub>40</sub>N<sub>5</sub>Li<sub>3</sub>O<sub>20</sub>P<sub>3</sub>

IUPAC ((2R,3S,5R)-5-(4-amino-5-(3-(6-(3-carboxy-4-(6-hydroxy-3-oxo-3H-xanthen-9-yl)benzamido)hexanamido)prop-1-yn-1-yl)-2-oxo-3,4-dihydropyrimidin-1(2H)-yl)-3-hydroxytetrahydrofuran-2-yl)methyl

名称: hydrogen triphosphate

溶解度:  
 质量控制:  
 储存条件:

激发/吸收 490

极大值, 纳米:  
 $\epsilon$ , 摩尔吸光系数, m<sup>-1</sup>

发射 513

极大值, 纳米:  
 荧光量子产率:

CF<sub>260</sub>: 0.20

CF<sub>280</sub>: 0.17