

FAM-11-dCTP, 6-isomer

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

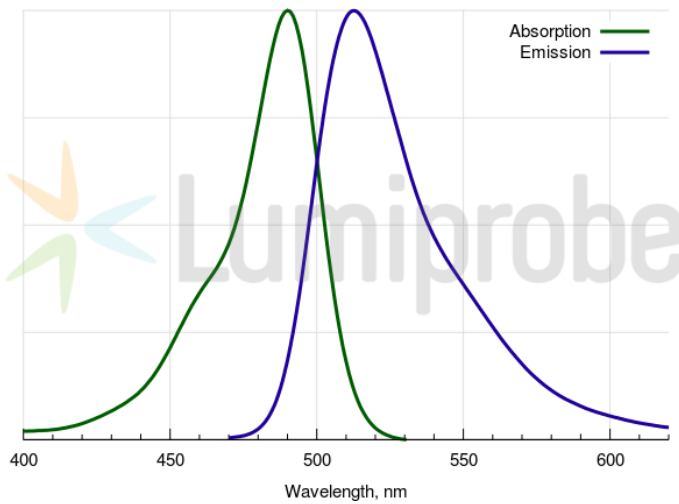
6-fluorescein (FAM) derivative of deoxycytidine triphosphate (dCTP).

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.

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 1012.5

量:

分子 $C_{39}H_{40}N_4Li_3O_{20}P_3$

式:

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:

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激发/ 490

吸收

极大

值,

纳米:

ϵ , 摩

尔吸

光系

数 cm^2

发射 513

极大

值,

纳米:

荧光 0.93

量子

产率:

CF_{260} : 0.20

CF_{380} : 0.17