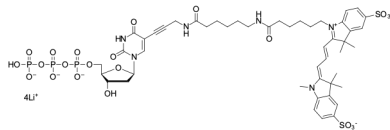


Sulfo-Cyanine3 dUTP

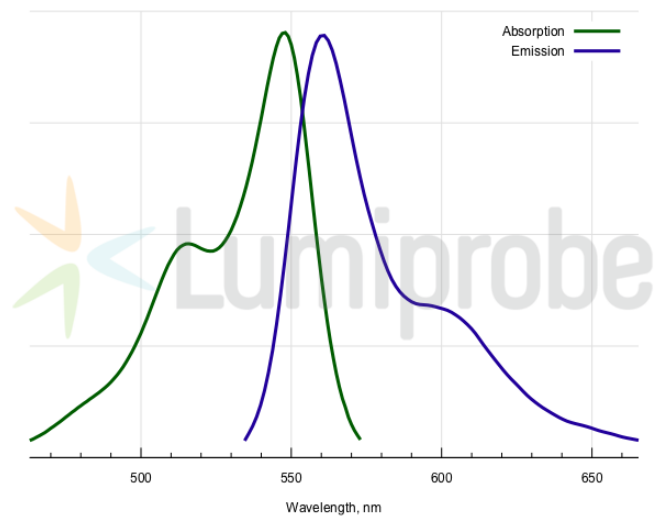
<http://de.lumiprobe.com/p/sulfo-cy3-dutp>

Labeled deoxynucleoside triphosphates (dNTPs) provide an efficient way for the enzymatic labeling of DNA. DNA microarrays, PCR amplicons, and reverse transcripts can be labeled using various dNTPs.

Sulfo-Cyanine3 is a dye emitting in yellow range. This fluorophore is a standard dye used in DNA microarray experiments. Sulfo-Cyanine3 dUTP is a labeled triphosphate providing efficient labeling in enzymatic reactions with various enzymes, including simple Taq polymerase. Quality of each batch is assured by HPLC-MS, and testing in enzymatic reaction.



Struktur von Sulfo-Cyanin-3-dUTP



Absorptions- und Emissionsspektren von Sulfo-Cyanin 3

Allgemeine Eigenschaften

Erscheinungsform:

Molekülmasse: 1247.84

Molekülformel: $C_{47}H_{62}N_6Li_4O_{22}P_3S_2$

Qualitätskontrolle:

Lagerungsbedingungen: Lagerung: 12 Monate nach Wareneingang bei -20 °C im Dunkeln. Transport: bei Raumtemperatur bis zu drei Wochen. Längere Lichteinwirkung vermeiden.

TN VED Code: 3204190000

Spektrale Eigenschaften

Anregungs-/Absorptionsmaximum / nm: 548

$\epsilon / L \cdot mol^{-1} \cdot cm^{-1}$: 162000

Emissionsmaximum / nm: 563

Fluoreszenz-Quantenausbeute: 0.1

CF_{260} : 0.03

CF_{280} : 0.06