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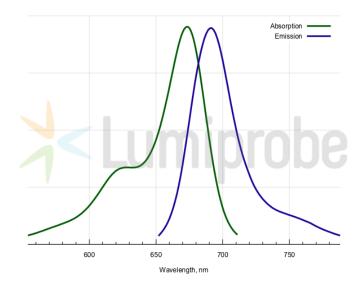
sulfo-Cyanine 5.5 dUTP

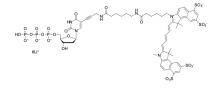
http://www.lumiprobe.com/p/sulfo-cy55-dutp

sulfo-Cyanine 5.5 is a far red emitting dye. Since almost no biological sources of fluorescence background emit in its range, this fluorophore provides great signal to noise ratio.

Due to its extended amino-11-linker, this reagent provides a better alternative to aminoallyl derived triphosphates with dyes.

The QC of triphosphates includes HPLC-MS and enzymatic testing.





Structure of Sulfo-Cyanine 5.5 dUTP

Absorption and emission spectra of sulfo-Cyanine5.5

General properties

Appearance: blue solid Molecular weight: 1554.97

 $\label{eq:controller} \text{Molecular formula:} \qquad \qquad C_{58} H_{63} N_6 L i_6 O_{28} P_3 S_4$

Quality control: HPLC-MS (95%), testing in enzymatic reaction

Storage conditions: Storage: 12 months after receival at -20°C in the dark. Transportation: at room

temperature for up to 3 weeks. Avoid prolonged exposure to light and excessive

freeze-thaw cycles.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm: 673 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 211000 Emission maximum, nm: 691 Fluorescence quantum yield: 0.21 CF_{260} : 0.09 CF_{280} : 0.11