

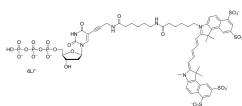
## Sulfo-Cyanine 5.5 dUTP (A270286)

### Specifications:

Name:	Sulfo-Cyanine 5.5 dUTP
Description:	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. This molecule is a modified deoxyuridine triphosphate (dUTP) that is a substrate to many enzymes including simple Taq polymerase. 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.
Absorption Maxima:	673 nm
Extinction Coefficient:	235000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	691 nm
CF <sub>260</sub> :	0.09
CF <sub>280</sub> :	0.11
Purity:	95% (by HPLC-MS and testing by enzymatic reaction).
Molecular Formula:	C <sub>58</sub> H <sub>63</sub> N <sub>6</sub> Li <sub>6</sub> O <sub>28</sub> P <sub>3</sub> S <sub>4</sub>
Molecular Weight:	1554.97 kDa
Product Form:	Blue solid / solution.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Avoid freeze / thaw cycles. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

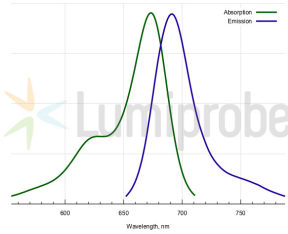
### Images:

Structure of Sulfo-Cyanine 5.5 dUTP.



## Sulfo-Cyanine 5.5 dUTP (A270286)

Images continued:



Absorption and emission spectra of Sulfo-Cyanine 5.5.