

Lumiprobe Corporation

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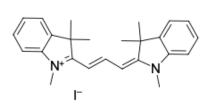
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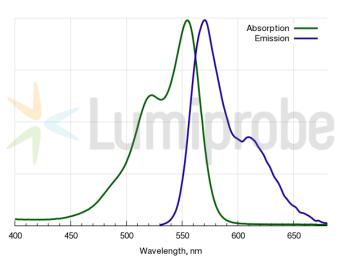
Cyanine3 dimethyl

http://www.lumiprobe.com/p/cy3-dimethyl

Non-functionalized Cyanine3 dye derivative with an aliphatic side chain. Cyanine3 dimethyl is a non-sulfonated bright yellow emitting cyanine dye with good solubility in organic solvents. The dye can be used as a non-reactive fluorophore, for control experiments, and for calibration.



Structure of Cyanine3 dimethyl



Cyanine3 absorbance and emission spectra

General properties

Appearance: dark violet solid

Molecular weight: 484.43 CAS number: 25470-94-4 Molecular formula: $C_{25}H_{29}IN_2$

Solubility: good in polar organic solvents (DMF, DMSO)

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

Spectral properties

Excitation/absorption maximum, nm: 555 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 150000 Emission maximum, nm: 570 Fluorescence quantum yield: 0.31 CF_{260} : 0.04 CF_{280} : 0.09