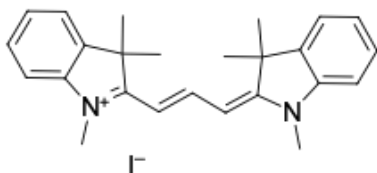


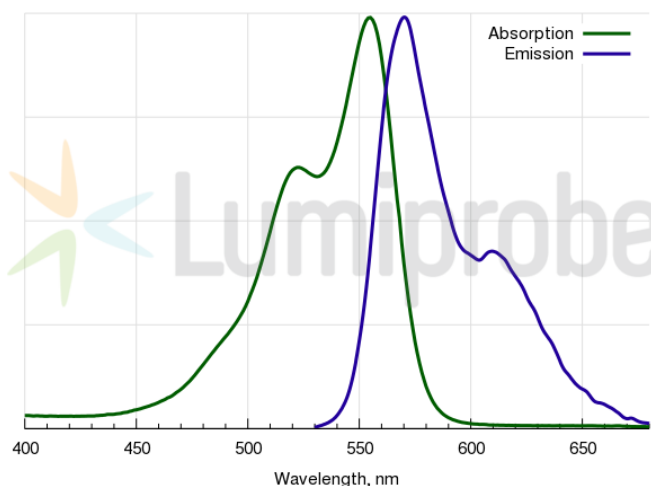
## Cyanine3 dimethyl

<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 <sub>25</sub> H <sub>29</sub> IN <sub>2</sub>
Solubility:	good in polar organic solvents (DMF, DMSO)
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt 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 <sup>-1</sup> ·cm <sup>-1</sup> :	150000
Emission maximum, nm:	570
Fluorescence quantum yield:	0.31
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.09