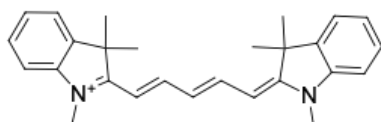


## Cyanine5 dimethyl

<http://www.lumiprobe.com/p/cyanine5-dimethyl>

Cyanine5 dimethyl is a non-sulfonated cyanine dye with good solubility in organic solvents and bright fluorescence in the red spectrum range. The dye can be used as a non-reactive fluorophore for control experiments, calibration, and other technical applications.



I<sup>-</sup>

**Structure of Cyanine5 dimethyl**

### General properties

Molecular weight:	510.46
Molecular formula:	C <sub>27</sub> H <sub>31</sub> IN <sub>2</sub>
Solubility:	soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water
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:	646
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	250000
Emission maximum, nm:	662
Fluorescence quantum yield:	0.2
CF <sub>260</sub> :	0.03
CF <sub>280</sub> :	0.04