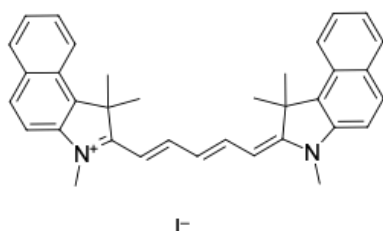


Cyanine5.5 dimethyl

<http://www.lumiprobe.com/p/cyanine55-dimethyl>

Cyanine5.5 dimethyl is a non-sulfonated cyanine dye with good solubility in organic solvents and bright fluorescence in the far-red spectrum range. The dye can be used as a non-reactive fluorophore for control experiments, calibration, and other technical applications.



Structure of Cyanine5.5 dimethyl

General properties

Appearance:	dark golden powder
Molecular weight:	610.58
Molecular formula:	C ₃₅ H ₃₅ IN ₂
Solubility:	soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water
Quality control:	NMR ¹ 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:	684
ε, L·mol ⁻¹ ·cm ⁻¹ :	198000
Emission maximum, nm:	710
Fluorescence quantum yield:	0.2
CF ₂₆₀ :	0.07
CF ₂₈₀ :	0.03