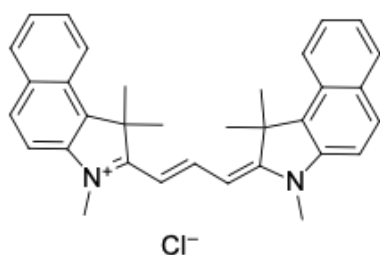


Cyanine3.5 dimethyl

<http://www.lumiprobe.com/p/cyanine35-dimethyl>

Cyanine3.5 dimethyl is a non-sulfonated cyanine dye with good solubility in organic solvents and bright fluorescence in the yellow-orange spectrum range. The dye can be used as a non-reactive fluorophore for control experiments, calibration, and other technical applications.



Structure of Cyanine3.5 dimethyl

General properties

Appearance:	dark colored solid
Molecular weight:	493.08
CAS number:	42849-61-6
Molecular formula:	C ₃₃ H ₃₃ N ₂ Cl
Solubility:	soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Spectral properties

Excitation/absorption maximum, nm:	591
ε, L·mol ⁻¹ ·cm ⁻¹ :	116000
Emission maximum, nm:	604
Fluorescence quantum yield:	0.35
CF ₂₆₀ :	0.29
CF ₂₈₀ :	0.22