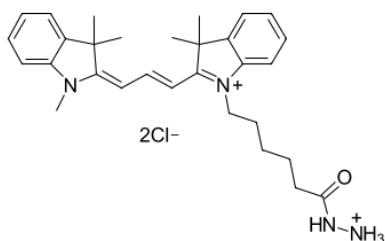


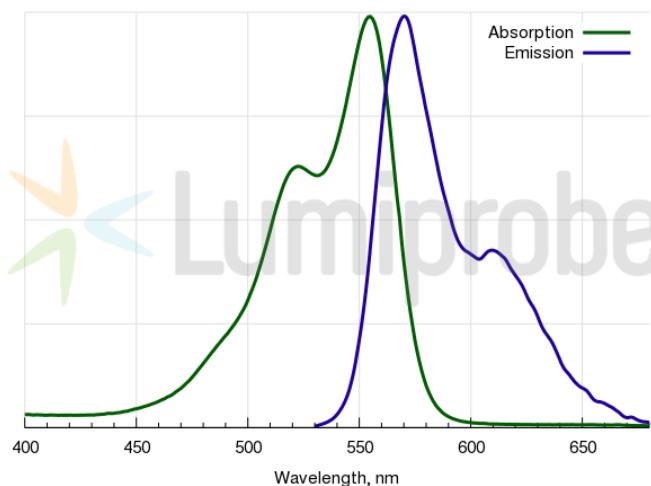
Cyanine3 hydrazide

Cyanine3 hydrazide is a carbonyl-reactive dye, an analog of Cy3® hydrazide.

This reagent allows to label various carbonyl-containing molecules such as antibodies and other glycoproteins after periodate oxidation, proteins which have undergone oxidative stress or deamination, or reducing saccharides. Cyanine3 is compatible with a number of fluorescent instruments.



Cyanine3 hydrazide structure



Cyanine3 absorbance and emission spectra

General properties

Appearance:	red powder
Molecular weight:	543.57
Molecular formula:	C ₃₀ H ₄₀ Cl ₂ N ₄ O
Solubility:	moderate solubility in water, good in polar organic solvents (DMF, DMSO, alcohols)
Quality control:	NMR ¹ H and 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.
TN VED Code:	3204190000

Spectral properties

Excitation 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

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