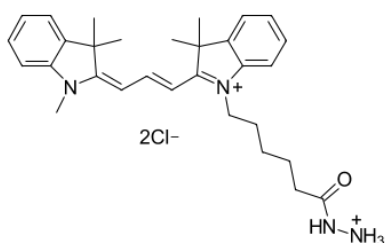


Cyanine3 hydrazide

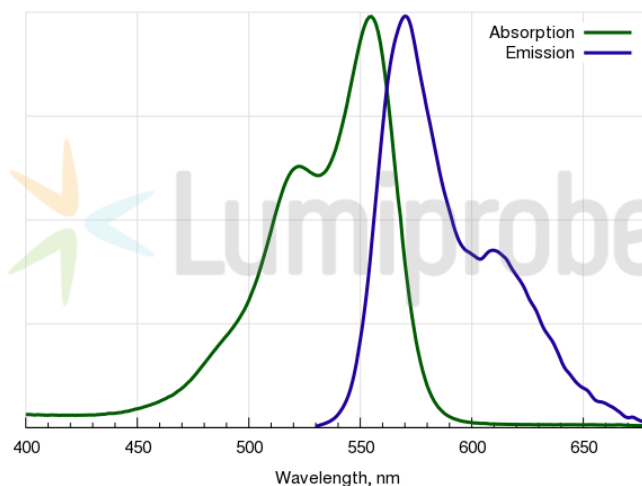
<http://www.lumiprobe.com/p/cy3-hydrazide>

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.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption 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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