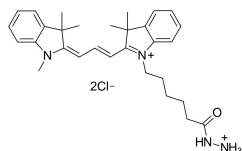


## Cyanine 3 hydrazide (A270144)

### Specifications:

Name:	Cyanine 3 hydrazide
Description:	Cyanine 3 hydrazide is a carbonyl-reactive dye, an analog of Cy3® hydrazide. This reagent can be used for the labeling of various carbonyl-containing molecules such as antibodies and other glycoproteins after periodate oxidation, proteins which have undergone oxidative stress or deamination, or reducing saccharides. Cyanine 3 is compatible with a number of fluorescent instruments.
Absorption Maxima:	555 nm
Extinction Coefficient:	150000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	570 nm
Fluorescence Quantum Yield:	0.31
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.09
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>30</sub> H <sub>40</sub> Cl <sub>2</sub> N <sub>4</sub> O
Molecular Weight:	543.57 kDa
Product Form:	Red powder.
Solubility:	Moderate solubility in water and good in polar organic solvents (DMF, DMSO, alcohols).
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

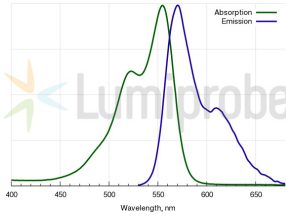
### Images:



Cyanine 3 hydrazide structure.

## Cyanine 3 hydrazide (A270144)

Images continued:



Cyanine 3 absorbance and emission spectra.