

## **Lumiprobe Corporation**

115 Airport Dr Suite 160 Westminster, Maryland 21157

USA

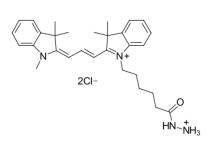
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

## Cyanine3 hydrazide

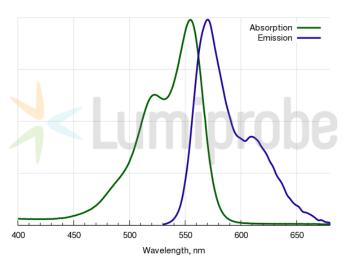
http://www.lumiprobe.com/p/cy3-hydrazide

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 saccarides. 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:  $C_{30}H_{40}Cl_2N_4O$ 

Solubility: moderate solubility in water, good in polar organic solvents (DMF, DMSO, alcohols)

Quality control: NMR <sup>1</sup>H and HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival 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  $\epsilon$ , L·mol $^{-1}$ ·cm $^{-1}$ : 150000 Emission maximum, nm: 570 Fluorescence quantum yield: 0.31  $CF_{260}$ : 0.04  $CF_{280}$ : 0.09

 $\mbox{\rm Cy}\, \mbox{\rm \@Ball}$  is a trademark of GE Healthcare.