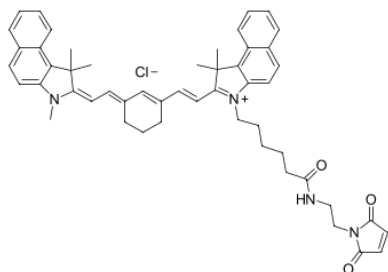


## Cyanine7.5 maleimide

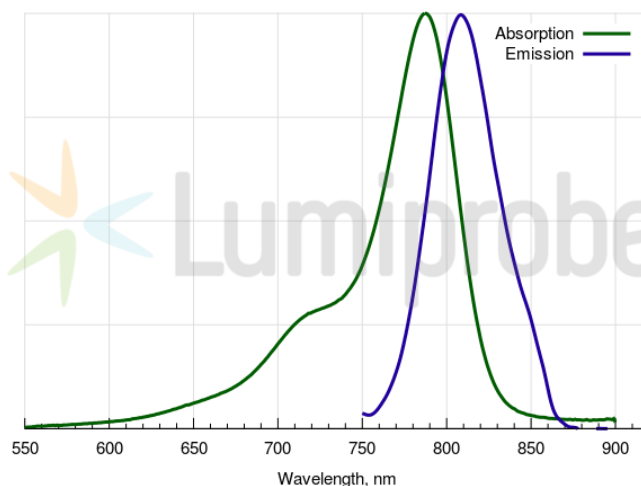
<http://www.lumiprobe.com/p/cy75-maleimide>

Thiol-reactive, near infrared dye Cyanine7.5 for the labeling of protein SH groups, an analog of Cy7.5® maleimide.

Most proteins contain sulfhydryl groups which can be selectively labeled with maleimides. With this reagent, these proteins can be converted to near infrared (NIR) fluorescent conjugates. After it, the conjugates can be used in non-invasive live organism imaging to study distribution of the protein in tissues and organs.



**Cy7.5 maleimide structure**



**Cyanine7.5 absorbance and emission spectra**

### General properties

Appearance:	green powder
Molecular weight:	807.46
Molecular formula:	C <sub>51</sub> H <sub>55</sub> ClN <sub>4</sub> O <sub>3</sub>
Solubility:	soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water
Quality control:	NMR <sup>1</sup> 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.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm:	788
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	223000
Emission maximum, nm:	808

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