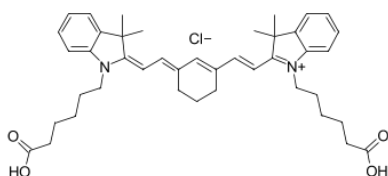


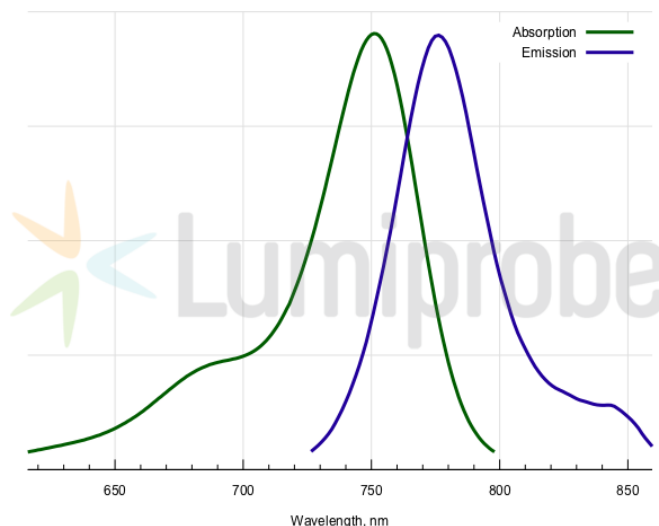
Cyanine7 dicarboxylic acid

<http://www.lumiprobe.com/p/cy7-dicarboxylic-acid>

Cyanine7 dicarboxylic acid is a bifunctional dye molecule bearing two carboxylic groups. Cyanine7 possesses near infrared fluorescence.



Structure of Cyanine7 dicarboxylic acid



Absorption and emission spectra of Cyanine7 fluorophore

General properties

Appearance:	dark green solid
Molecular weight:	685.33
Molecular formula:	C ₄₂ H ₅₃ N ₂ ClO ₄
Solubility:	good in DCM, DMF, DMSO
Quality control:	NMR ¹ 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.

Spectral properties

Excitation/absorption maximum, nm:	750
ε, L·mol ⁻¹ ·cm ⁻¹ :	199000
Emission maximum, nm:	773
Fluorescence quantum yield:	0.3
CF ₂₆₀ :	0.022
CF ₂₈₀ :	0.029