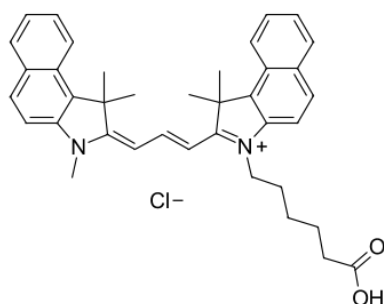


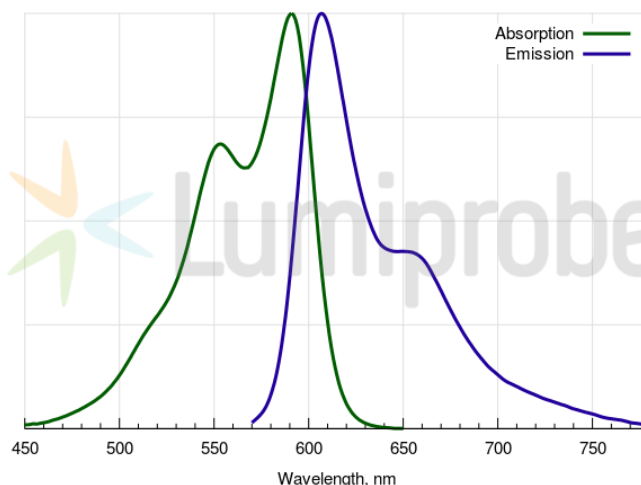
Cyanine3.5 carboxylic acid

<http://www.lumiprobe.com/p/cy35-carboxylic-acid>

Cyanine3.5 free unactivated monofunctional carboxylic acid. Can be used as a reference non-reactive dye or control. Cyanine3.5 is an analog of Cy3.5® fluorophore.



Cyanine3.5 carboxylic acid structure



Cyanine3.5 absorbance and emission spectra

General properties

Appearance:	dark purple powder
Molecular weight:	593.20
CAS number:	1802928-88-6 (chloride), 1144107-79-8 (inner salt), 1802978-82-0 (without anion)
Molecular formula:	C ₃₈ H ₄₁ ClN ₂ O ₂
Solubility:	soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water
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.

Spectral properties

Excitation/absorption maximum, nm:	591
ε, L·mol ⁻¹ ·cm ⁻¹ :	116000
Emission maximum, nm:	604
Fluorescence quantum yield:	0.35
CF ₂₆₀ :	0.29
CF ₂₈₀ :	0.22

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