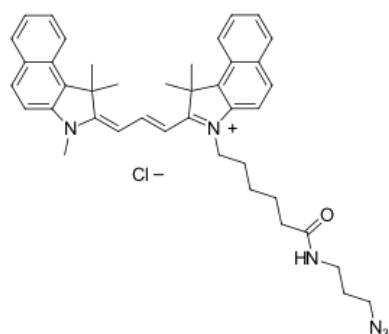


Cyanine3.5 azide

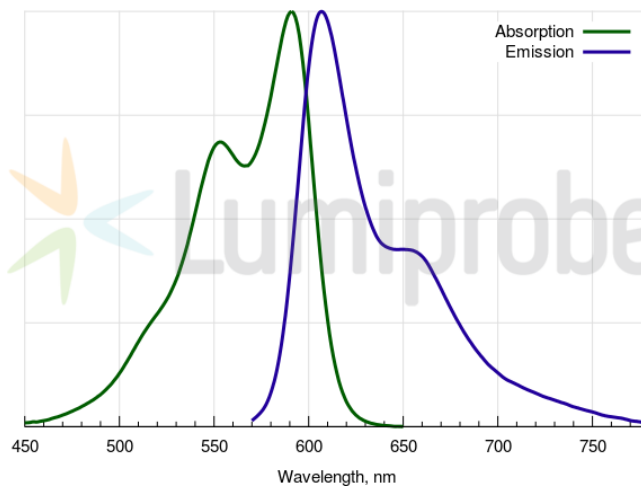
<http://www.lumiprobe.com/p/cy35-azide>

Cyanine3.5 labeling reagent, solid material and 10 mM solution in DMSO, for click chemistry.

Can replace Cy3.5®, DyLight 594.



Structure of Cyanine3.5



Absorbance and emission spectra of Cyanine3.5

General properties

Appearance:	dark purple powder / solution
Molecular weight:	675.31
Molecular formula:	C ₄₁ H ₄₇ N ₆ ClO
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. Desiccate.

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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