

Lumiprobe Corporation

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USA

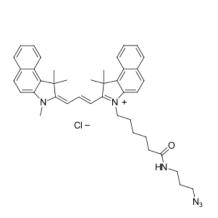
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Cyanine 3.5 azide

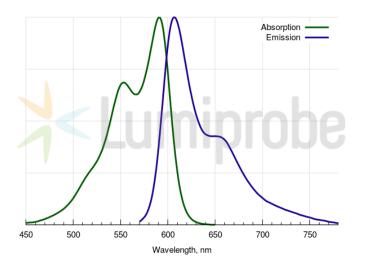
http://www.lumiprobe.com/p/cy35-azide

Cyanine 3.5 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: $C_{41}H_{47}N_6CIO$

Solubility: soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water

Quality control: NMR ¹H, 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: 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

Cy® is a trademark of GE Healthcare.