

Lumiprobe Corporation

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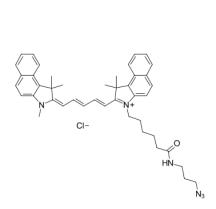
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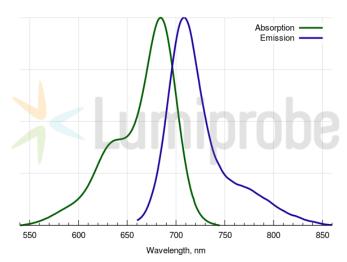
Cyanine 5.5 azide

http://www.lumiprobe.com/p/cy55-azide

This Cyanine5.5 labeling reagent is a dye azide for click chemistry, available as 10 mM solution in DMSO, or in solid form. The dye possesses far red / near infrared emission, which allows to use it for NIR live organism imaging. Cyanine5.5 can replace Cy5.5® and DyLight 680.



Structure of Cyanine 5.5 azide



Absorbance and emission spectra of Cyanine 5.5

General properties

Appearance: dark violet solid/ dark blue solution

Molecular weight: 701.34 Molecular formula: $C_{43}H_{49}CIN_6O$

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

water (1.6 uM, 1.2 mg/L)

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: 684 ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$: 198000 Emission maximum, nm: 710 Fluorescence quantum yield: 0.2 CF_{260} : 0.07 CF_{280} : 0.03

Cy® is a trademark of Cytiva.