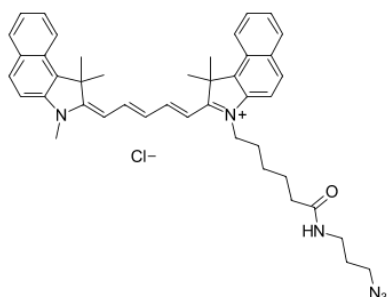


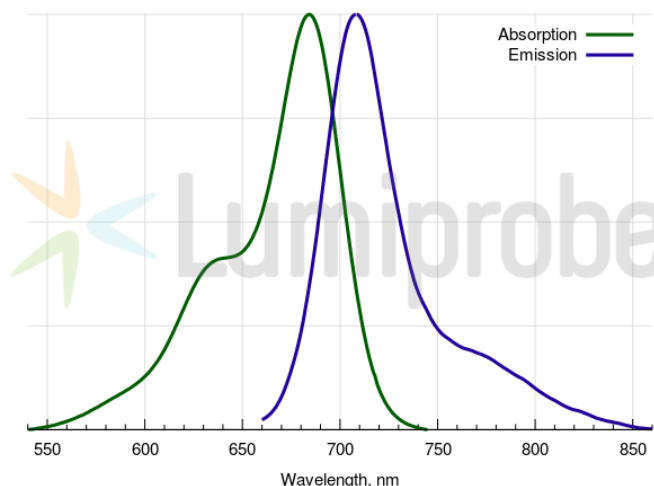
Cyanine5.5 azide

<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 Cyanine5.5 azide



Absorbance and emission spectra of Cyanine5.5

General properties

Appearance:	dark blue powder / solution
Molecular weight:	701.34
Molecular formula:	C ₄₃ H ₄₉ ClN ₆ O
Solubility:	soluble in organic solvents (DMSO, DMF, dichloromethane), practically insoluble in water (1.6 uM, 1.2 mg/L)
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.
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·mol ⁻¹ ·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.