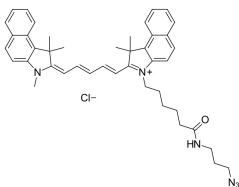


## Cyanine 5.5 azide (A270151)

### Specifications:

Name:	Cyanine 5.5 azide
Description:	This Cyanine 5.5 labeling reagent is a dye azide for Click Chemistry, supplied as a 10 mM solution in DMSO. The dye possesses far red / near infrared emission, which allows its use in NIR live organism imaging. Cyanine 5.5 can replace Cy5.5®, Alexa Fluor 680, and DyLight 680.
Absorption Maxima:	684 nm
Extinction Coefficient:	198000 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	710 nm
Fluorescence Quantum Yield:	0.2
CF <sub>260</sub> :	0.07
CF <sub>280</sub> :	0.03
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>43</sub> H <sub>49</sub> CIN <sub>6</sub> O
Molecular Weight:	701.34 kDa
Formulation:	Supplied in DMSO.
Product Form:	Dark blue solution.
Solubility:	Soluble in organic solvents (DMSO, DMF, dichloromethane). Practically insoluble in water (1.6 μM, 1.2 mg/L).
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

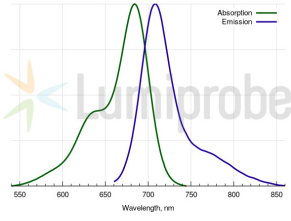
### Images:



Cyanine 5.5 azide structure.

## Cyanine 5.5 azide (A270151)

Images continued:



Cyanine 5.5 absorbance and emission spectra.