

## **Cyanine 5.5 alkyne (A270149)**

## Specifications:

Name: Cyanine 5.5 alkyne

Description: Far red / near infrared dye alkyne for Click Chemistry labeling. Cyanine 5.5 is an analog of

Cy5.5®, a popular fluorophore which has been widely used for various applications

including intact organism imaging. This reagent can be conjugated with azido groups under

mild copper catalyzed Click Chemistry conditions. This reagent is soluble in organic solvents, but mixtures of water with small percent of DMSO can be used for efficient conjugation. Cyanine 5.5 alkyne can also be used for the labeling of small molecules with

this far red/NIR dye.

Absorption Maxima: 684 nm

Extinction Coefficient: 198000 M-1cm-1

Emission Maxima: 710 nm

Fluorescence Quantum Yield: 0.2

CAS Number: 1628790-37-3

CF 260: 0.07

CF 280: 0.03

Purity: 95% (by 1H NMR and HPLC-MS).

Molecular Formula: C43H46CIN3O

Molecular Weight: 656.30 kDa

Product Form: Dark blue powder.

Solubility: Good in organic solvents (DMF, DMSO, acetonitrile, DCM, alcohols). Practically insoluble in

water (5.2 uM, 3.7 mg/L).

Storage: Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged

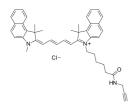
exposure to light.

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

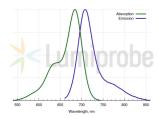


## **Cyanine 5.5 alkyne (A270149)**

## Images:



Cyanine 5.5 alkyne structure.



Cyanine 5.5 absorbance and emission spectra.