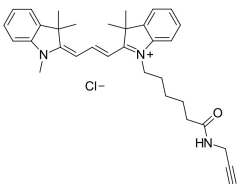


Cyanine 3 alkyne (A270138)

Specifications:

Name:	Cyanine 3 alkyne
Description:	Cyanine 3 alkyne is a fluorophore ready for the use in Click Chemistry reaction. With this reagent, bright and photostable Cyanine 3 reporter, an analog of Cy3®, can be attached to nearly any molecule bearing an azide group. This alkyne is non water-soluble. However, when used with organic co-solvent (DMSO or DMF), this dye can be efficiently attached to water-soluble molecules such as proteins, or peptides.
Absorption Maxima:	555 nm
Extinction Coefficient:	150000 M ⁻¹ cm ⁻¹
Emission Maxima:	570 nm
Fluorescence Quantum Yield:	0.31
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.09
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₃ H ₄₀ ClN ₃ O
Molecular Weight:	530.14 kDa
Product Form:	Red powder.
Solubility:	Soluble in organic solvents (DMF, DMSO, dichloromethane). Practically insoluble in water (50 mg/L = 80 μM).
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.

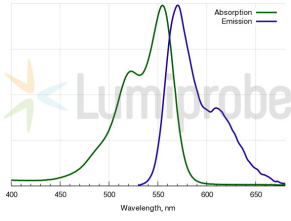
Images:



Cyanine 3 alkyne structure.

Cyanine 3 alkyne (A270138)

Images continued:



Cyanine 3 absorbance and emission spectra.