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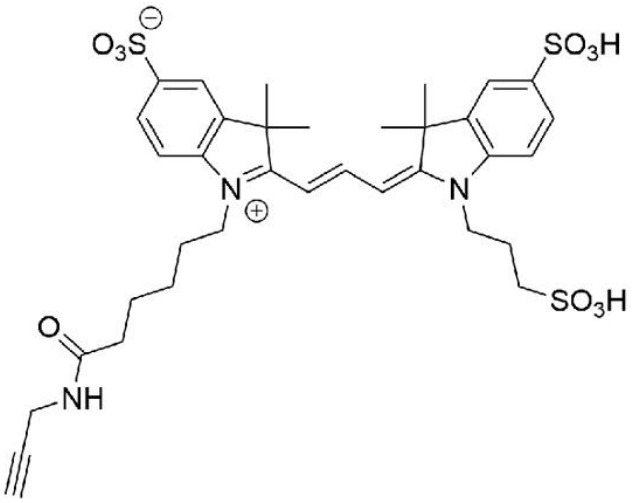
CY3 ALKYNE

SKU: CCT-TA117



DESCRIPTION

Cy3 Alkyne can be reacted with azides via a copper-catalyzed click reaction (CuAAC) forming a stable triazole and does not require elevated temperatures. This red fluorescent probe is water-soluble, and its fluorescence is pH-insensitive from pH 4 to pH 10. Its excitation peak is ideally suited for the 532 nm or 555 nm laser lines and its absorption and emission spectra are almost identical to those of Alexa Fluor® 555, CF® 555 Dye or any other Cyanine3 based fluorescent dyes.

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	964.31
Molecular Formula	C47H73N5O10S3
Appearance	Red solid

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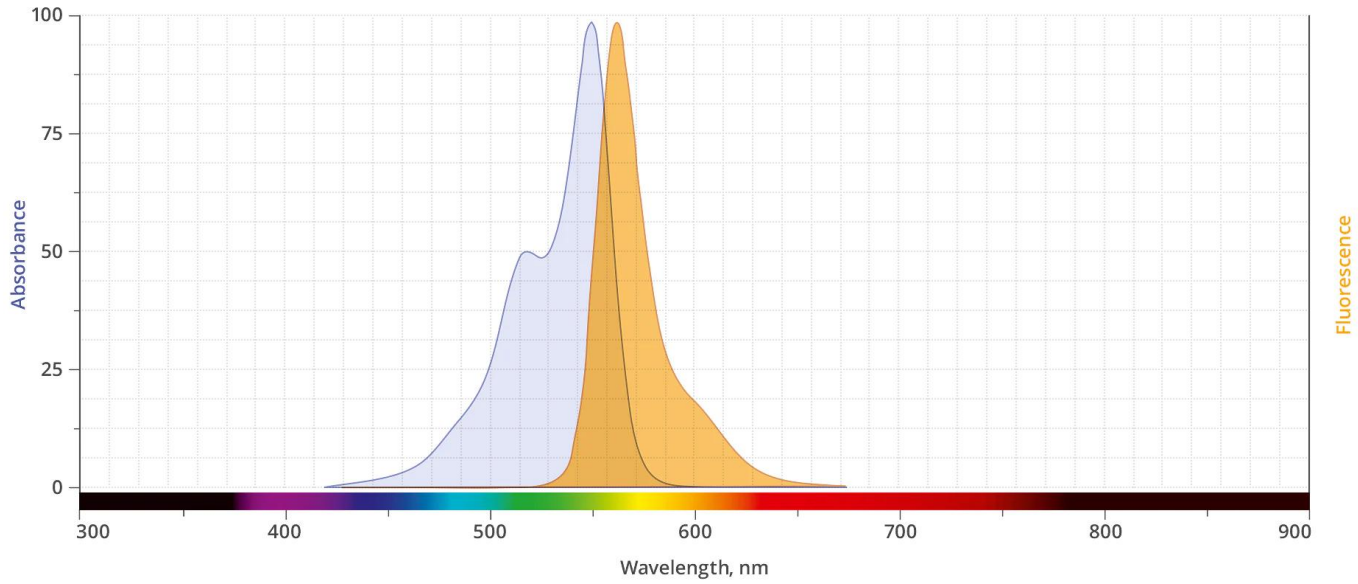
Chemical Formula	C47H73N5O10S3
Extinction Coefficient	150,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 555, Atto™ 555, CF® 555 Dye, DyLight®549
Laser Line	532, 555 or 568 nm
Excitation/Emission Maximum	549 nm / 562 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



SELECTED REFERENCES

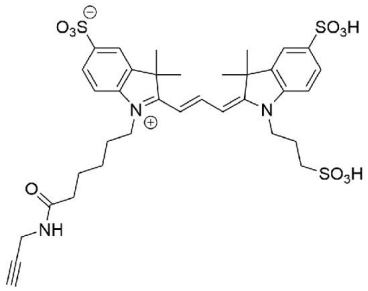
1. Banerjee, C., *et al.* (2022). Visualizing the Conformational Dynamics of Membrane Receptors Using Single-Molecule FRET. *J Vis Exp.*, 186. [PubMed]

2. Schamber, M. R., *et al.* (2022). Conformational fingerprinting of allosteric modulators in metabotropic glutamate receptor 2. *Elife*, 11:e78982. [PubMed]
3. Schamber, M. R., *et al.* (2022). Mechanism of sensitivity modulation in the calcium-sensing receptor via electrostatic tuning. *Nat Commun.*, **13 (1)**, 2194. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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