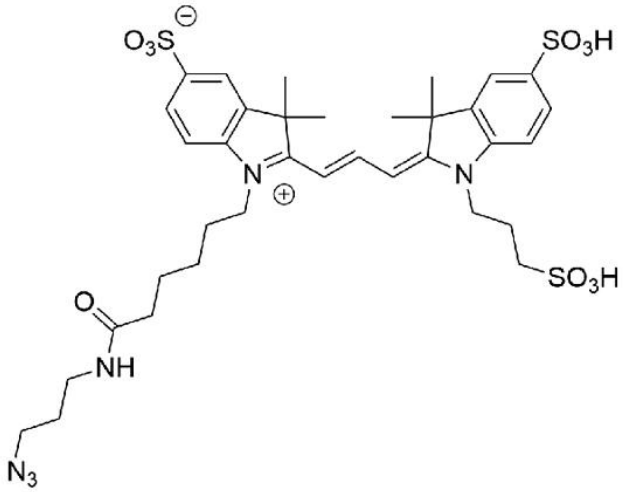
www.vectorlabs.com
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Telephone: (650) 697-3600

CY3 AZIDE

SKU: CCT-AZ119



DESCRIPTION

Cy3 Azide can be reacted with terminal alkynes via a copper-catalyzed click reaction (CuAAC). It also reacts with strained cyclooctyne via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or 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.

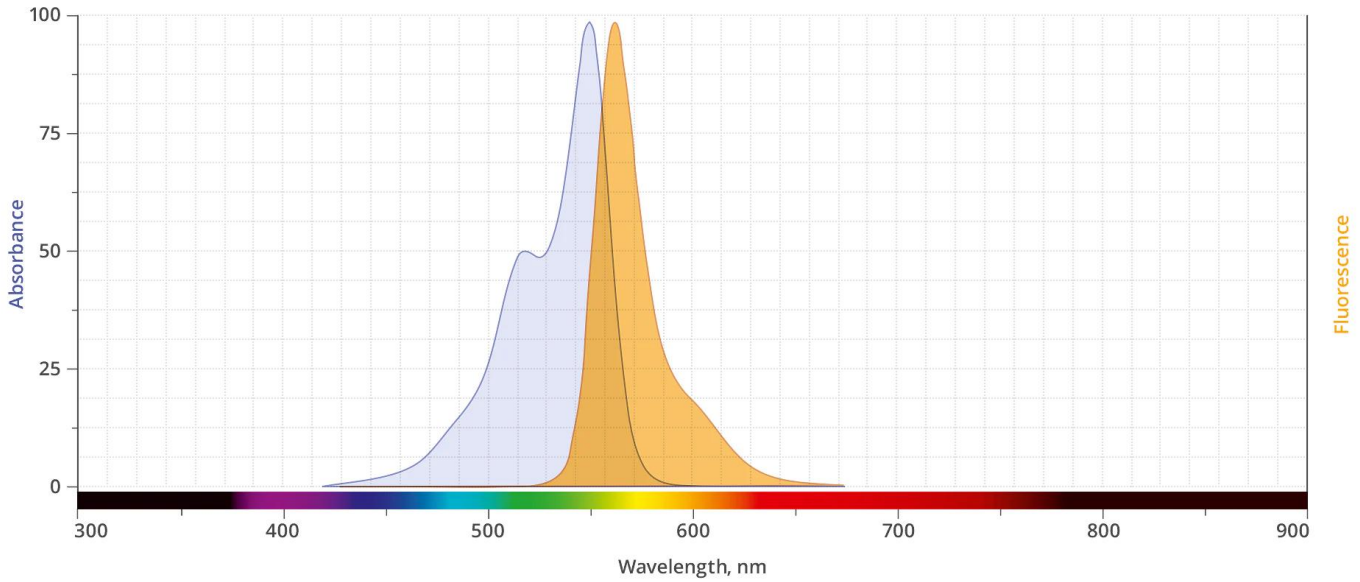
SPECIFICATIONS

CAS Number	1782950-79-1
Molecular Weight	1009.35
Molecular Formula	C47H76N8O10S3

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Appearance	Red solid
Chemical Formula	C47H76N8O10S3
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	553 nm / 569 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



SELECTED REFERENCES

1. Leach, R. W., *et al.* (2021). Activity-based RNA-modifying enzyme probing reveals DUS3L-

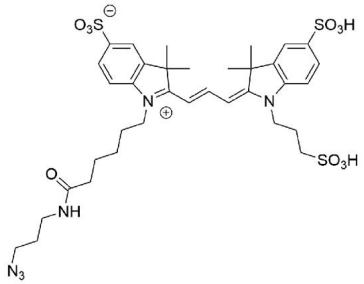
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mediated dihydrouridylation. *Nat Chem Biol.*, **17 (11)**, 1178-1187. [PubMed]
2. Wiener, J., *et al.* (2020). Preparation of single- and double-oligonucleotide antibody conjugates and their application for protein analytics. *Sci Rep.*, **10 (1)**, 1457. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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