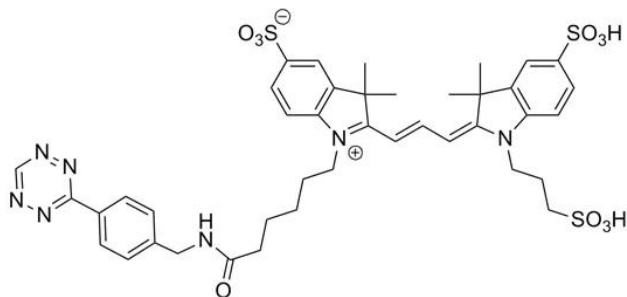




CY3 TETRAZINE

SKU: CCT-1204



DESCRIPTION

Tetrazines demonstrate exceptionally fast cycloaddition kinetics (up to $30\,000\text{ M}^{-1}\text{ s}^{-1}$) with *trans*-cyclooctenes (TCO) as the dienophile, the fastest kinetics ever reported for any bioorthogonal reaction. In addition, inverse-Electron-Demand Diels-Alder reaction of tetrazines *trans*-cyclooctene forms a stable covalent bond and does not require Cu-catalyst or elevated temperatures. In applications such as *in vivo* cancer imaging or pre-targeted cell labeling studies where rapid reaction kinetics are desired, a faster hydrogen substituted Cy®3 Tetrazine probe would be a probe of choice.

Cy®3 is a bright, water-soluble, and pH insensitive orange-fluorescent dye that can be excited using the 532 nm or 555 nm laser line and visualized with TRITC (tetramethylrhodamine) filter sets. Cy3 conjugates give less background than TAMRA and most other commonly used fluorescent dyes.

Cy®Dye is a trademark of GE Healthcare.

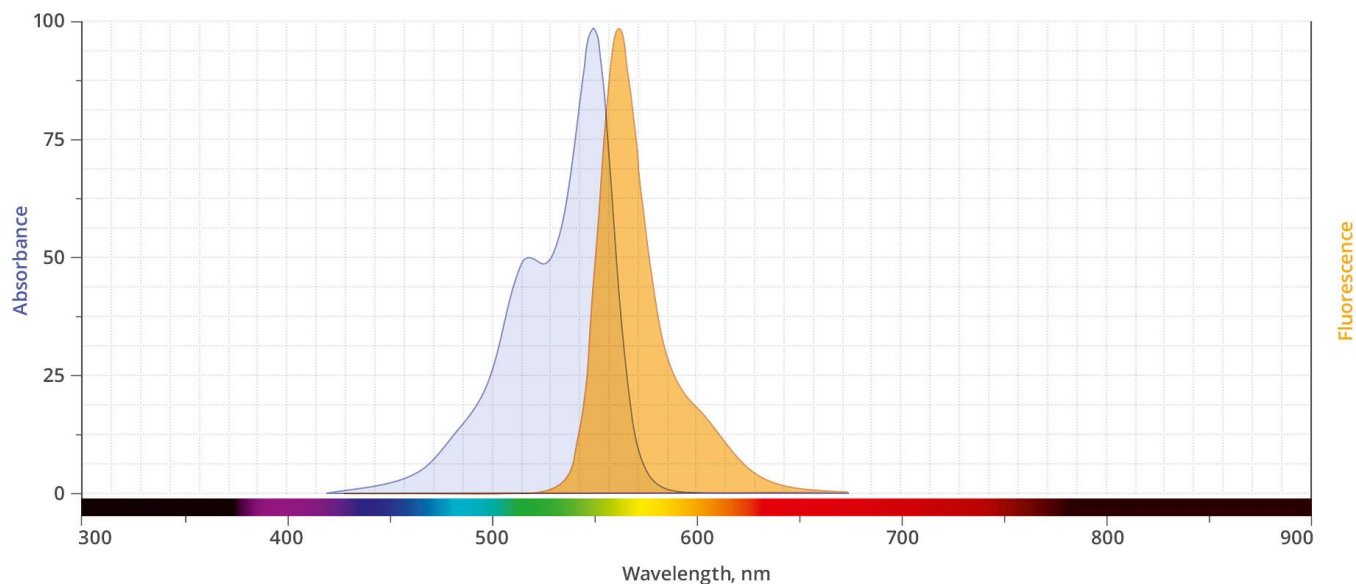
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



SPECIFICATIONS

CAS Number	N/A
Molecular Weight	894.05
Appearance	Red solid
Extinction Coefficient	150,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 555, CF® 555 Dye, DyLight®555
Laser Line	532 or 555 nm
Excitation/Emission Maximum	553/569 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



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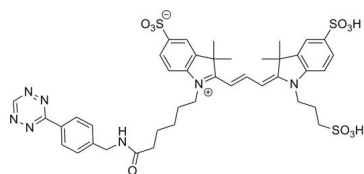
Email: customerservice@vectorlabs.com

Telephone: [\(650\) 697-3600](tel:(650)697-3600)

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

GALLERY IMAGES



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[Cy3 Tetrazine](#)

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