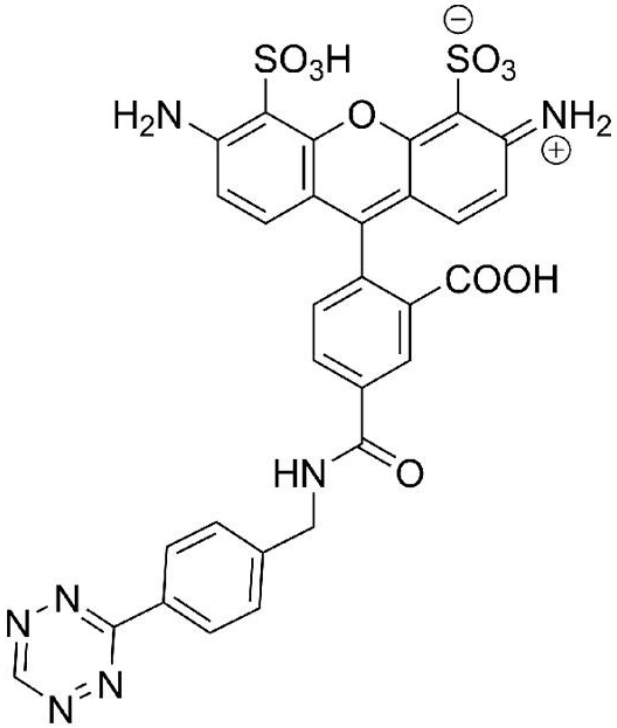
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 488 TETRAZINE

SKU: CCT-1361



DESCRIPTION

A bright, green-fluorescent probe used for detection TCO-tagged biopolymers. AZDye 488 Tetrazine demonstrates exceptionally fast cycloaddition kinetics (up to 30 000 M^{-1} s^{-1}) with *trans*-cyclooctenes (TCO) as the dienophile, the fastest kinetics ever reported for any bioorthogonal reaction. In applications such as in vivo cancer imaging or pre-targeted cell labeling studies where rapid reaction kinetics is a must AZDye 488 Tetrazine probe would of great value.

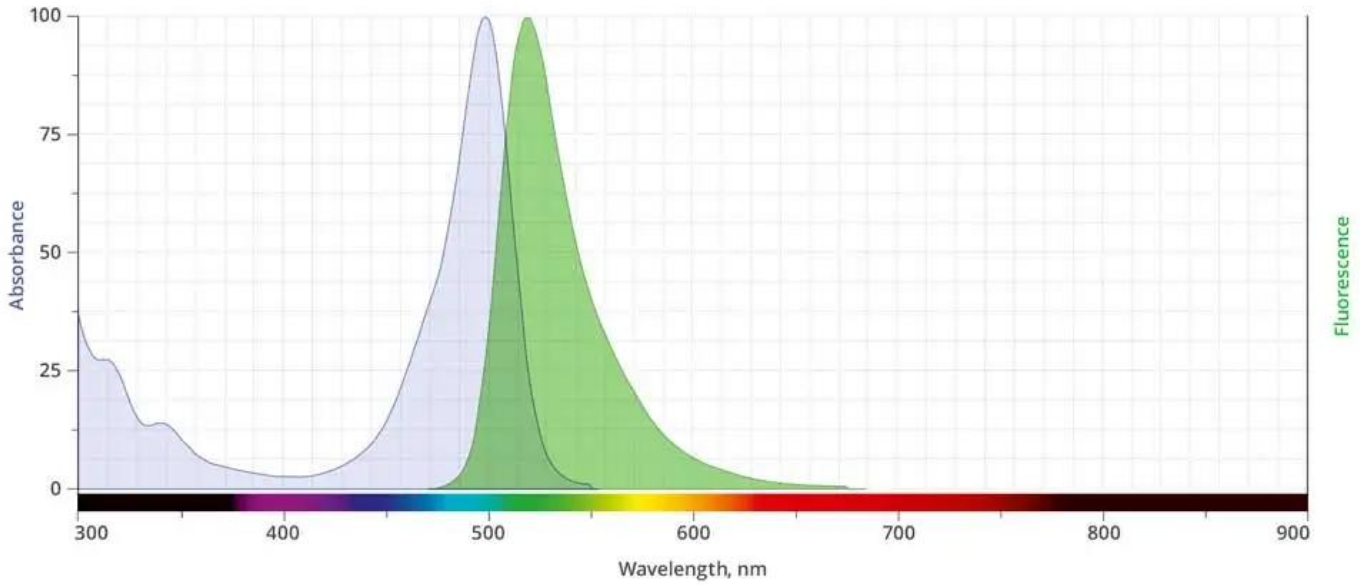
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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

SPECIFICATIONS

CAS Number	N/A
Molecular Weight	703.66
Appearance	Red solid
Extinction Coefficient	83,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, MeOH, DMSO, DMF
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 488, Atto™ 488, CF™ 488 Dye, DyLight™488
Laser Line	488 nm
Excitation/Emission Maximum	493/517 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



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

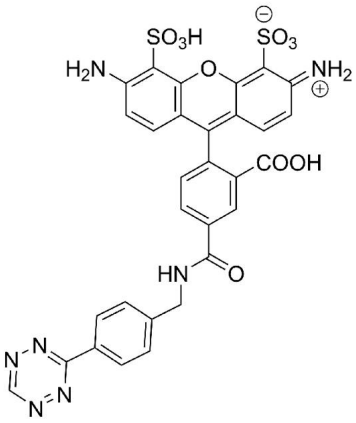
SELECTED REFERENCES

1. Marquard, A.N., *et al.* (2020). Expanding the Scope of Antibody Rebridging with New Pyridazinedione-TCO Constructs. *Bioconjug Chem.*, **31(6)**, 1616-23. [PubMed]

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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