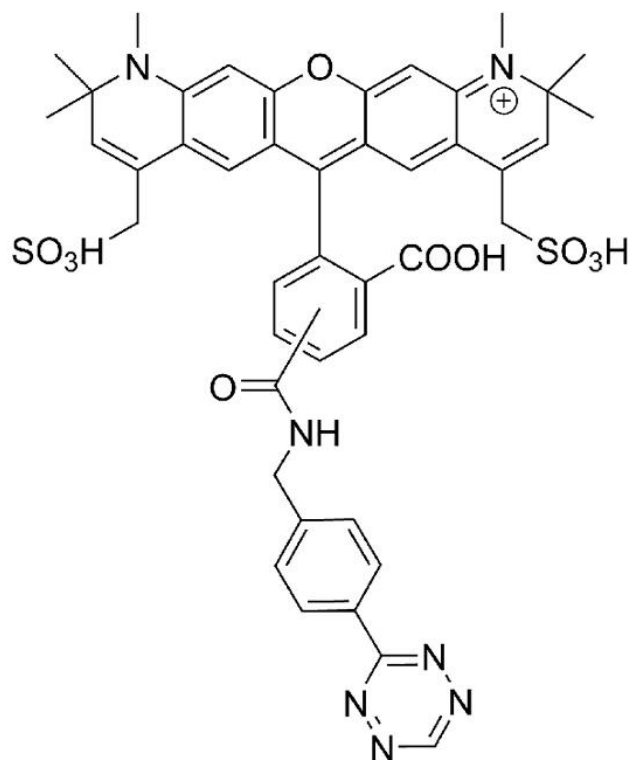


# AZDYE 594 TETRAZINE

**SKU:** CCT-1364

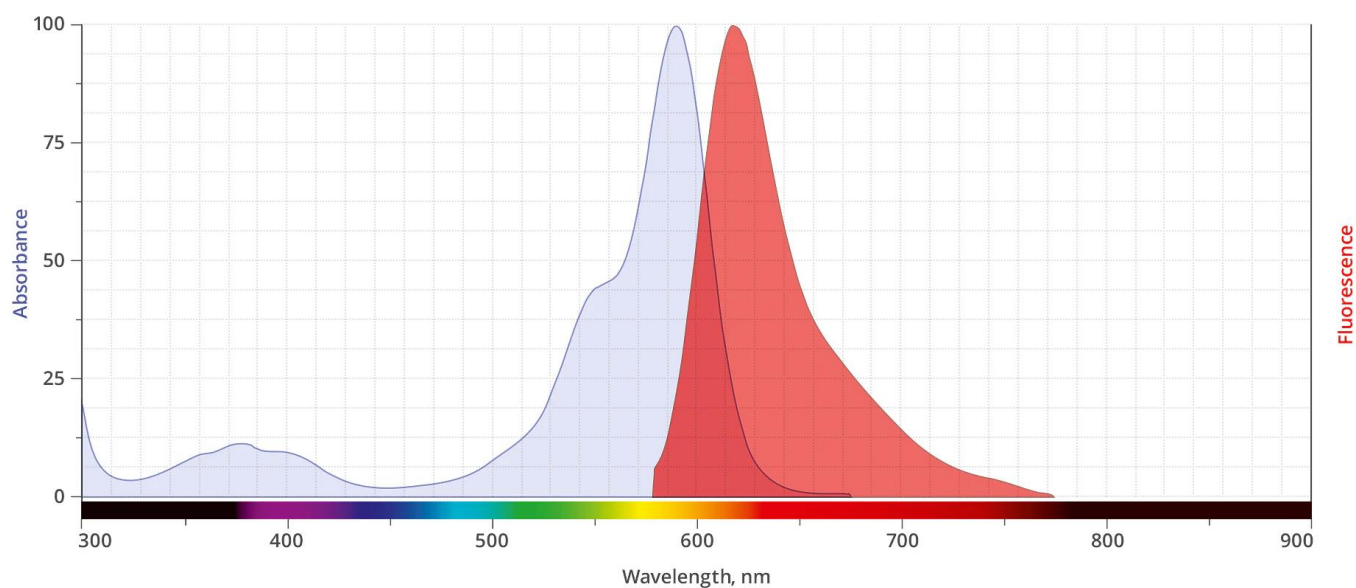


## Description

A bright, red-fluorescent probe used for detection TCO-tagged biopolymers. AZDye 594

Tetrazine demonstrates 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 applications such as in vivo cancer imaging or pre-targeted cell labeling studies where rapid reaction kinetics is a must AZDye 594 Tetrazine probe would of great value.

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**



Abs/Em Spectra

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Abs/Em Maxima</b>	590/617 nm
<b>Extinction Coefficient</b>	92,000
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 594, Atto™ 594, CF™ 594 Dye, DyLight™ 594
<b>Molecular weight</b>	892.98
<b>Solubility</b>	Water, MeOH, DMSO, DMF
<b>Appearance</b>	Red solid
<b>Storage Conditions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Ambient temperature

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