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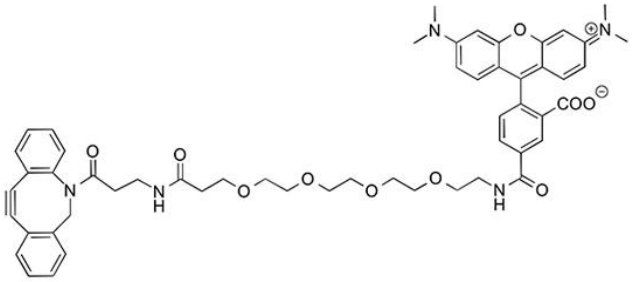
TAMRA DBCO

SKU: CCT-A131



Description

TAMRA DBCO reacts with azides via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. This copper-free variation of click reaction overcomes a major shortcoming of copper-catalyzed click reaction – the need for copper catalyst. Copper can damage fluorescent proteins, Quantum Dot nanocyrstals, certain enzymes, and photoproteins like RPE. The presence of copper is also problematic in staining the surface of live cells.

In application where the presence of copper is a concern TAMRA DBCO is an ideal alternative to copper requiring fluorescent alkynes.

TAMRA DBCO reagent is not suitable for staining intracellular components of fixed and permeabilized cells due to high backgrounds.

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

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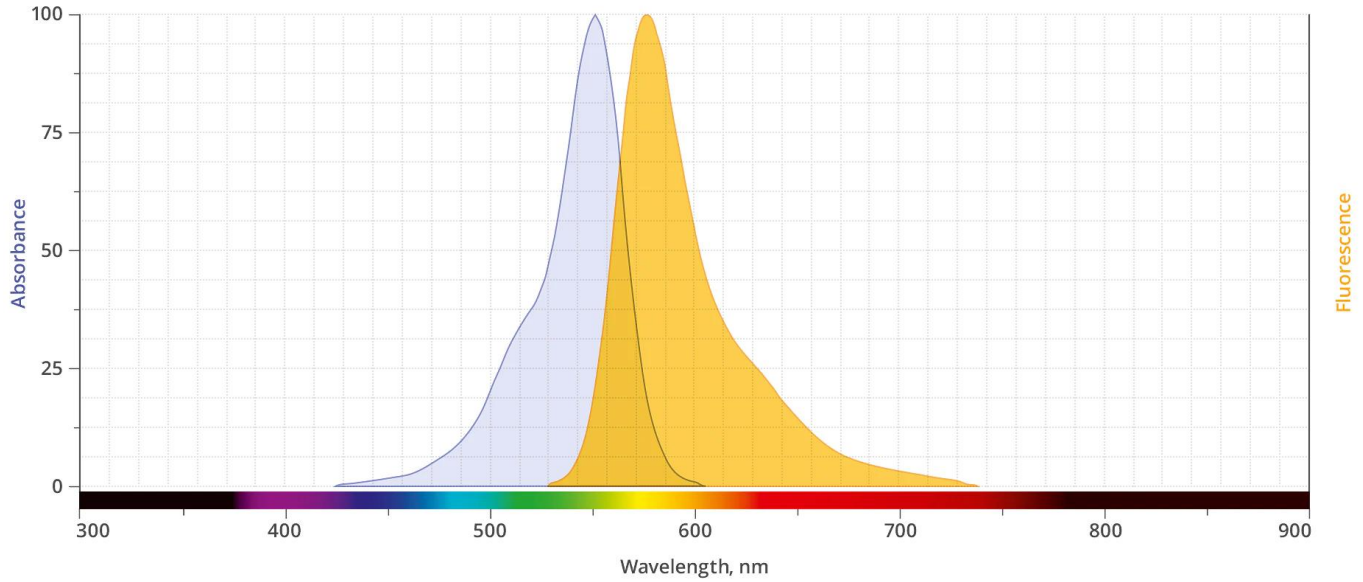

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Reactivity	Alkyne, cyclooctyne
Abs/Em Maxima	559/584 nm
Extinction coefficient	92,000 cm-1M-1
Solubility	DMSO, DMF, MeOH
Spectrally similar dyes	Alexa Fluor® 546, TAMRA, CF™ 543, MB™ 543
Molecular weight	936.08
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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