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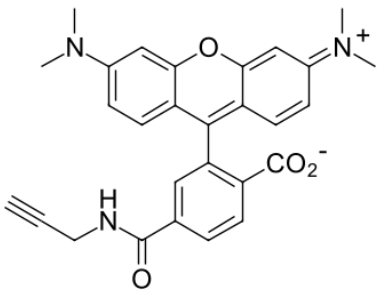
TAMRA alkyne, 6-isomer

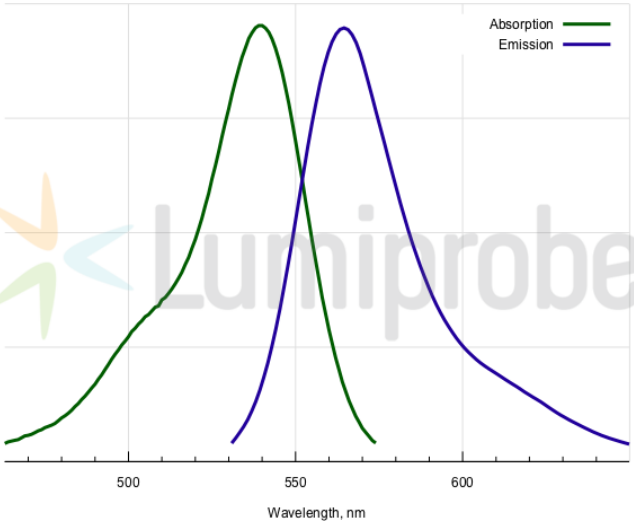
http://www.lumiprobe.com/p/tamra-alkyne-6

Tetramethylrhodamine (TAMRA) alkyne, pure 6-isomer. TAMRA is a popular dye that is used in qPCR and other applications. It forms a FRET pair with FAM (serving as an acceptor).

This product is a terminal alkyne for copper-catalyzed click chemistry. It can be conjugated with azide groups using CuAAC reaction.



Struture of 6-TAMRA alkyne



Absorption and emission spectra of 6-TAMRA

General properties

Appearance:	dark colored solid
Mass spec M+ increment:	467.2
Molecular weight:	467.52
CAS number:	1352649-44-5
Molecular formula:	$C_{28}H_{25}N_3O_4$
Solubility:	good in DMF, DMSO, alcohols
Quality control:	NMR ^1H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	541
ε, $L \cdot mol^{-1} \cdot cm^{-1}$:	84000
Emission maximum, nm:	567
Fluorescence quantum yield:	0.1
CF_{260}:	0.34
CF_{280}:	0.17