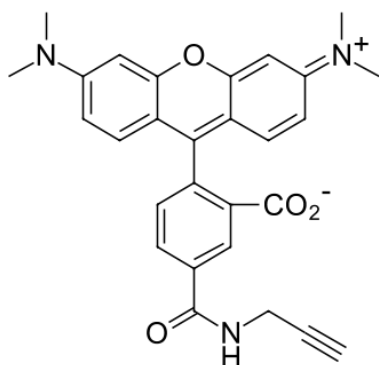


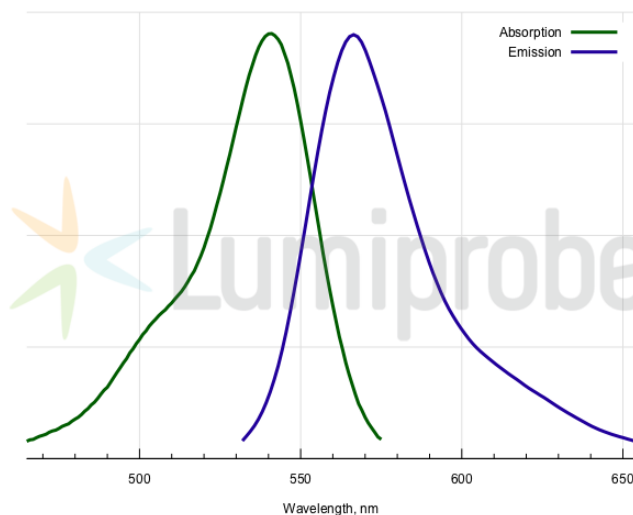
TAMRA alkyne, 5-isomer

TAMRA alkyne for Click chemistry, pure 5-isomer. TAMRA (TMR, tetramethylrhodamine) is a xanthene dye. It forms a FRET pair with fluorescein.

This alkyne is suitable for Copper-catalyzed Click chemistry (CuAAC).



Structure of TAMRA alkyne, 5-isomer



Absorption and emission spectra of 5-TAMRA

General properties

Appearance:	violet solid
Mass spec M+ increment:	467.2
Molecular weight:	467.51
Molecular formula:	C ₂₈ H ₂₅ N ₃ O ₄
Solubility:	good in DMF, DMSO, low in water
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.

Spectral properties

Excitation maximum, nm:	541
ε, L·mol ⁻¹ ·cm ⁻¹ :	84000
Emission maximum, nm:	567
Fluorescence quantum yield:	0.1
CF ₂₆₀ :	0.32
CF ₂₈₀ :	0.19