

Lumiprobe Corporation

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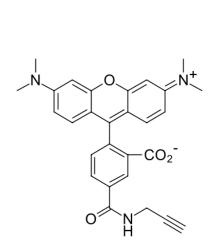
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TAMRA alkyne, 5-isomer

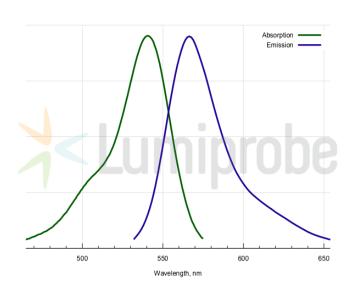
http://www.lumiprobe.com/p/tamra-alkyne-5

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 CAS number: 945928-17-6 Molecular formula: $C_{28}H_{25}N_3O_4$

Solubility: good in DMF, DMSO, low in water

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.

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·mol $^{-1}$ ·cm $^{-1}$: 84000 Emission maximum, nm: 567 Fluorescence quantum yield: 0.1 CF_{260} : 0.32 CF_{280} : 0.19