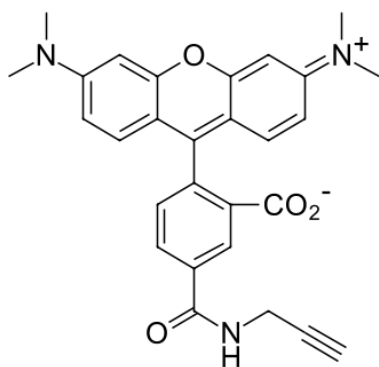


## TAMRA alkyne, 5-isomer

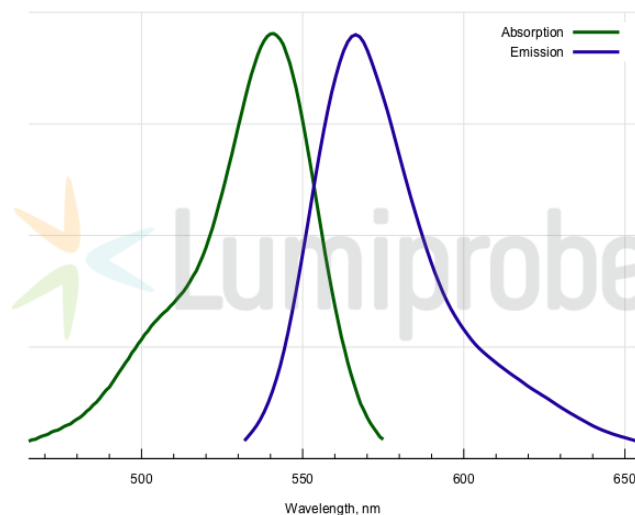
<http://www.lumiprobe.com/p/tamra-alkyne-5>

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 <sub>28</sub> H <sub>25</sub> N <sub>3</sub> O <sub>4</sub>
Solubility:	good in DMF, DMSO, low in water
Quality control:	NMR <sup>1</sup> 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.
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 <sup>-1</sup> ·cm <sup>-1</sup> :	84000
Emission maximum, nm:	567
Fluorescence quantum yield:	0.1
CF <sub>260</sub> :	0.32
CF <sub>280</sub> :	0.19