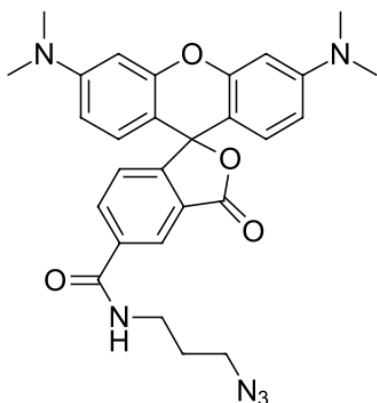


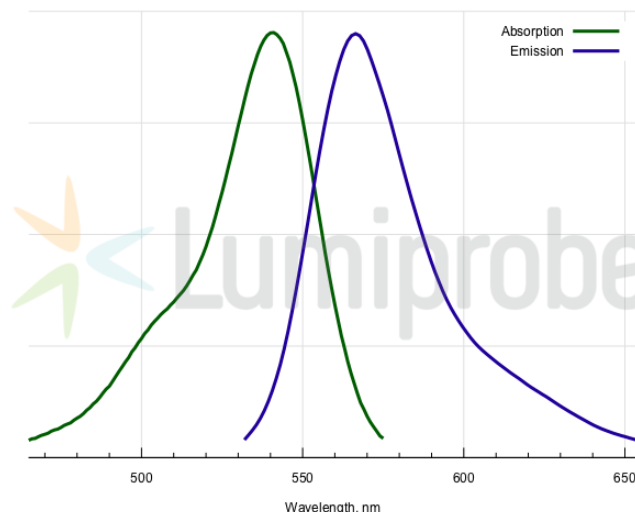
TAMRA azide, 5-isomer

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

TAMRA (TMR, tetramethylrhodamine) azide, solid compound, and 10 mM solution in DMSO, labeling reagent for click chemistry. Pure 5-isomer. TAMRA is often used as a FRET acceptor for [FAM](#) fluorophore. Can replace DyLight 549.



5-TAMRA azide structure



Absorption and emission spectra of 5-TAMRA

General properties

| | |
|-------------------------|---|
| Appearance: | violet solid / solution |
| Mass spec M+ increment: | 512.2 |
| Molecular weight: | 512.56 |
| CAS number: | 825651-66-9 |
| Molecular formula: | C ₂₈ H ₂₈ N ₆ O ₄ |
| Solubility: | good in polar organic solvents (DMF, DMSO, alcohols), 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. |
| Legal statement: | Product is offered and sold for research purposes only. Product is not tested for safety and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, for humans or animals or for commercial purposes. |

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 |