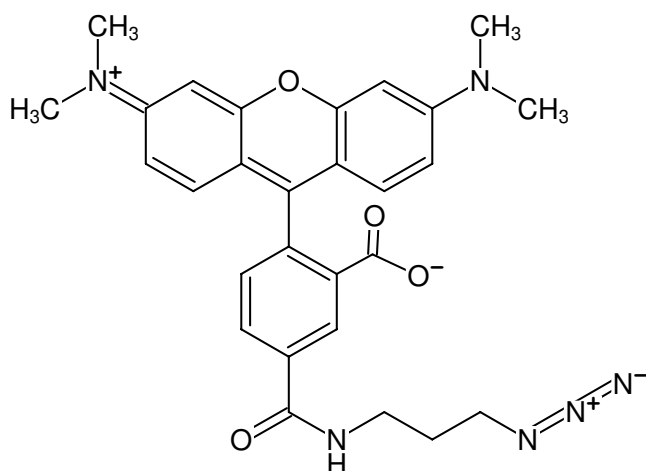


**5-TAMRA-Azide**

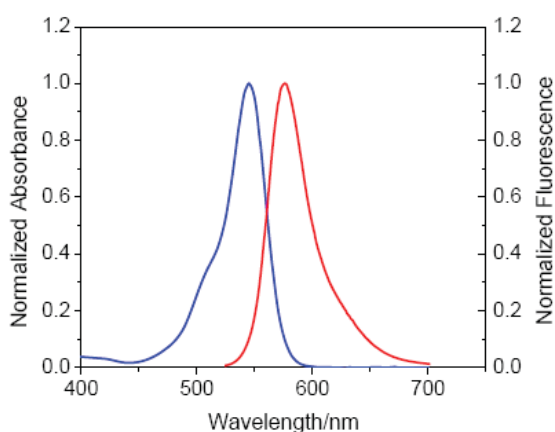
Abs/Em = 546/579 nm

5-Carboxytetramethylrhodamine-Azide

Cat. No.	Amount
CLK-FA008-1	1 mg
CLK-FA008-5	5 x 1 mg



Structural formula of 5-TAMRA-Azide



excitation and emission spectrum of 5-TAMRA

For general laboratory use.**Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C**Additional Storage Conditions:** store dark**Shelf Life:** 12 months after date of delivery**Molecular Formula:** C₂₈H₂₈N₆O₄**Molecular Weight:** 512.57 g/mol**Exact Mass:** 512.21 g/mol**Purity:** ≥ 90 % (HPLC)**Form:** solid**Color:** dark red**Solubility:** DMF, DMSO, MeOH**Spectroscopic Properties:** λ_{abs} 546 nm, λ_{em} 579 nm, ε 91.0 L mmol⁻¹ cm⁻¹**Description:**5-TAMRA Azide is a cell-permeable tetramethylrhodamine azide^[1].**Selected References:**[1] Salic *et al.* (2008) A chemical method for fast and sensitive detection of DNA synthesis in vivo. *Proc Natl Acad Sci U S A* **105** (7):2415-20.Gramlich *et al.* (2008) Click-Click-Click: Single to Triple Modification of DNA. *Angew. Chem. Int. Ed.* **47**:3442.Gramlich *et al.* (2008) Postsynthetic DNA Modification through the Copper-Catalyzed Azide-Alkyne Cycloaddition Reaction. *Angew. Chem. Int. Ed.* **47**:8350.