

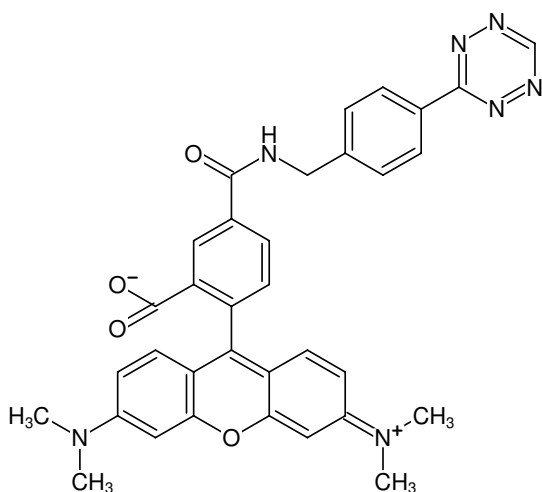


## Tetrazine-5-TAMRA

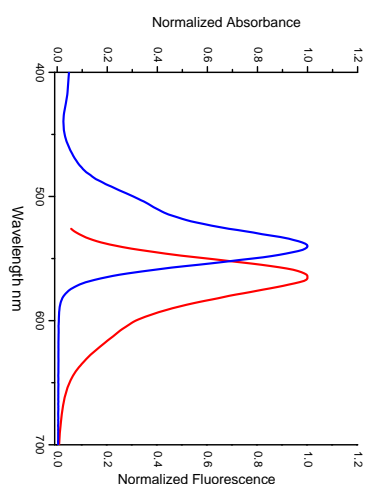
Abs/Em = 545/575 nm

3-(*p*-Benzylamino)-1,2,4,5-tetrazine - 5-Carboxytetramethylrhodamine

Cat. No.	Amount
CLK-017-05	0,5 mg



Structural formula of Tetrazine-5-TAMRA



excitation and emission spectrum of 5-TAMRA

### For general laboratory use.

**Shipping:** shipped on gel packs

**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

**Shelf Life:** 12 months after date of delivery

**Molecular Formula:** C<sub>34</sub>H<sub>29</sub>N<sub>7</sub>O<sub>4</sub>

**Molecular Weight:** 599.64 g/mol

**Exact Mass:** 599.23 g/mol

**Purity:** ≥ 90 % (HPLC)

**Form:** solid

**Color:** pink to red

**Solubility:** DMF, DMSO  
slightly soluble in DCM, MeOH  
insoluble in Water

**Spectroscopic Properties:** λ<sub>exc</sub> 545 nm, λ<sub>em</sub> 575 nm,  
ε 90.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5) (after click reaction)

### Please note:

Product can not be stored in solution.

Dissolve the product in methanol, split into aliquots of sufficient amounts for one experiment and dry the product e.g. with a speedvac. Dried aliquots can be stored at -20°C and freshly dissolved immediately before use e.g. with DMSO.

### Selected References:

Liu *et al.* (2012) Diels-Alder cycloaddition for fluorophore targeting to specific proteins inside living cells. *J. Am. Chem. Soc.* **134** (2):792.