

## TAMRA-PEG4-NHS ester

## Chemical Properties

CAS No. : 2171068-83-8

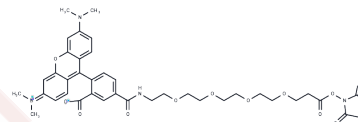
Formula: C<sub>40</sub>H<sub>46</sub>N<sub>4</sub>O<sub>12</sub>

Molecular Weight: 774.824

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	TAMRA-PEG4-NHS ester is a TAMRA red fluorescent dye derivative containing an NHS ester group which can be used to label the primary amines (-NH <sub>2</sub> ) of proteins, amine-modified oligonucleotides, and other amine-containing molecules.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2906 mL	6.4531 mL	12.9062 mL
5 mM	0.2581 mL	1.2906 mL	2.5812 mL
10 mM	0.1291 mL	0.6453 mL	1.2906 mL
50 mM	0.0258 mL	0.1291 mL	0.2581 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Chen X, Zhang X, Wang HY, Chen Z, Wu FG. Subcellular Fate of a Fluorescent Cholesterol-Poly(ethylene glycol) Conjugate: An Excellent Plasma Membrane Imaging Reagent. *Langmuir*. 2016 Oct 4;32(39):10126-10135. Epub 2016 Sep 21. PubMed PMID: 27597442.

Chen G, Wang L, Cordie T, Vokoun C, Eliceiri KW, Gong S. Multi-functional self-fluorescent unimolecular micelles for tumor-targeted drug delivery and bioimaging. *Biomaterials*. 2015 Apr;47:41-50. doi: 10.1016/j.biomaterials.2015.01.006. Epub 2015 Feb 4. PubMed PMID: 25682159; PubMed Central PMCID: PMC4329508.

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Ruan S, Wan J, Fu Y, Han K, Li X, Chen J, Zhang Q, Shen S, He Q, Gao H. PEGylated fluorescent carbon nanoparticles for noninvasive heart imaging. *Bioconjug Chem*. 2014 Jun 18;25(6):1061-8. doi: 10.1021/bc5001627. Epub 2014 May 22. PubMed PMID: 24852402.

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