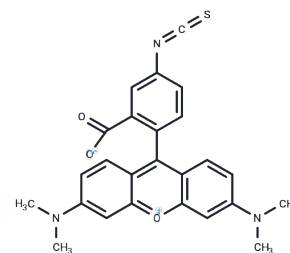


## 5-TRITC

## Chemical Properties

CAS No. :	80724-19-2
Formula:	C <sub>25</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub> S
Molecular Weight:	443.52
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	5-TRITC is an amine-reactive fluorescent dye commonly used to label proteins and nucleic acids. It reacts with amino groups in proteins to form stable thioether bonds, thereby labeling and detecting the presence and localization of specific proteins, producing bright red-orange fluorescence with excitation/emission maxima of about 555/580 nm.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2547 mL	11.2734 mL	22.5469 mL
5 mM	0.4509 mL	2.2547 mL	4.5094 mL
10 mM	0.2255 mL	1.1273 mL	2.2547 mL
50 mM	0.0451 mL	0.2255 mL	0.4509 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

- Alayed KM, et al. Immunostaining for rapid diagnosis of acute promyelocytic leukemia with the tetramethylrhodamine-5-isothiocyanate-conjugated anti-promyelocytic leukemia monoclonal antibody PG-M3. Arch Pathol Lab Med. 2013 Nov;137(11):1669-73.
- Navarro SM, et al. Biodistribution of PLGA and PLGA/chitosan nanoparticles after repeat-dose oral delivery in F344 rats for 7 days. Ther Deliv. 2014 Nov;5(11):1191-201.

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