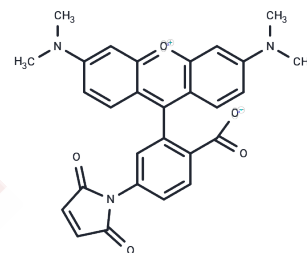


Tetramethylrhodamine-5-maleimide

Chemical Properties

CAS No. :	174568-67-3
Formula:	C ₂₈ H ₂₃ N ₃ O ₅
Molecular Weight:	481.5
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	Tetramethylrhodamine-5-maleimide is a versatile dye utilized in biological research for observing cell structures, tracking and detecting biomolecules, differentiating cell types, evaluating cell functions, studying tissue pathology, and monitoring microorganisms. Its applications extend from fundamental scientific studies to clinical diagnostics. Furthermore, dyes are extensively employed in traditional areas like textile dyeing and innovative fields such as functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0768 mL	10.3842 mL	20.7684 mL
5 mM	0.4154 mL	2.0768 mL	4.1537 mL
10 mM	0.2077 mL	1.0384 mL	2.0768 mL
50 mM	0.0415 mL	0.2077 mL	0.4154 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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