

AF 488 maleimide

Chemical Properties

CAS No. :

Formula: C₃₁H₂₇N₄NaO₁₂S₂

Molecular Weight: 734.69

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	AF 488 maleimide, a thiol-reactive dye, efficiently labels protein SH groups and facilitates the attachment of the AF 488 fluorophore to proteins and peptides with cysteine residues or other thiolated molecules. It features an emission wavelength (λ_{em}) of 520 nm and an excitation wavelength (λ_{ex}) of 470 nm.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3611 mL	6.8056 mL	13.6112 mL
5 mM	0.2722 mL	1.3611 mL	2.7222 mL
10 mM	0.1361 mL	0.6806 mL	1.3611 mL
50 mM	0.0272 mL	0.1361 mL	0.2722 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.

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