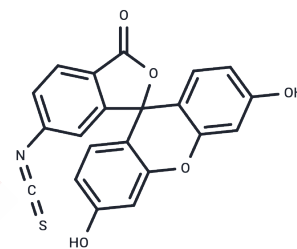


## Fluorescein-6-isothiocyanate

## Chemical Properties

CAS No. :	18861-78-4
Formula:	C <sub>21</sub> H <sub>11</sub> NO <sub>5</sub> S
Molecular Weight:	389.38
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Fluorescein-6-isothiocyanate is a fluorescein derivative whose isothiocyanate group binds to nucleophilic reagents such as amines, thiols, and carbonyl groups on proteins. With an emission/excitation wavelength of 495/520 nm, 6-FITC can label antibodies, proteins, and peptides.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 200 mg/mL (513.64 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (8.48 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.5682 mL	12.8409 mL	25.6819 mL
5 mM	0.5136 mL	2.5682 mL	5.1364 mL
10 mM	0.2568 mL	1.2841 mL	2.5682 mL
50 mM	0.0514 mL	0.2568 mL	0.5136 mL

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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

Swindlehurst CA, et al. Fluorescence measurements of immune complexes of Mab 4-4-20 with isomeric haptens. Biophys J. 1991 Mar;59(3):619-28.

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