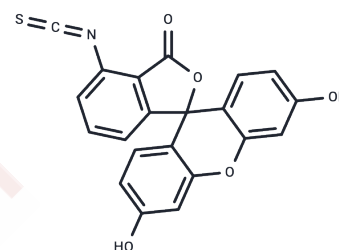


6-FITC

Chemical Properties

CAS No. :	3326-31-6
Formula:	C ₂₁ H ₁₁ NO ₅ 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	6-FITC is a commonly used green fluorescent labeling dye and a fluorescein isothiocyanate derivative with excitation and emission wavelengths of 495 nm and 520 nm, respectively. 6-FITC can covalently bind to amino groups in proteins, antibodies, or peptides, making it suitable for a variety of applications, including flow cytometry, fluorescence microscopy, and tissue section staining. Since FITC itself is not cell-permeable, it is typically used to label surface antigens on live cells; however, it can also be used for intracellular protein detection after cell fixation or permeabilization.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (205.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
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

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481