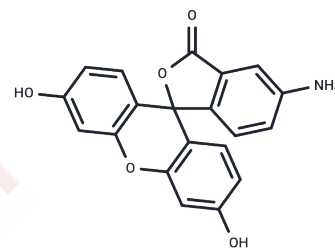


5-Aminofluorescein

Chemical Properties

CAS No. :	3326-34-9
Formula:	C ₂₀ H ₁₃ NO ₅
Molecular Weight:	347.32
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-Aminofluorescein (5-AF) (5-AF) is a covalently-bound fluorescence marker conjugated with human serum albumin. It exhibits an excitation wavelength of 490 nm and an emission wavelength of 515 nm.
Targets(IC50)	Others
In vitro	<p>Instructions for use</p> <p>I. Preparation of mother solution and working solution: Dissolve 5-Aminofluorescein5 mother solution with DMSO to prepare a suitable concentration, and dilute it with a suitable solvent to a certain concentration of working solution when using; (be careful to store in a dark place)</p> <p>II. Labeling reaction</p> <ol style="list-style-type: none"> Chemically couple 5-Aminofluorescein with target molecules (such as proteins, nucleic acids or other biomolecules). Detection: Use fluorescence microscope or fluorescence spectrophotometer for detection. The excitation wavelength of 5-Aminofluorescein5 is usually about 490 nm, and the emission wavelength is about 515 nm. <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

Solubility Information

Solubility	DMSO: 30 mg/mL (86.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8792 mL	14.3959 mL	28.7919 mL
5 mM	0.5758 mL	2.8792 mL	5.7584 mL
10 mM	0.2879 mL	1.4396 mL	2.8792 mL
50 mM	0.0576 mL	0.2879 mL	0.5758 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

Kazarian AA, et al. Utilisation of pH stacking in conjunction with a highly absorbing chromophore, 5-aminofluorescein, to improve the sensitivity of capillary electrophoresis for carbohydrate analysis. *J Chromatogr A*. 2008 Jul 18;1200(1):84-91.

Miao R, et al. Facile method for modification of the silicon nanowires and its application in fabrication of pH-sensitive chips. *ACS Appl Mater Interfaces*. 2013 Mar 13;5(5):1741-6.

Wang T, et al. Fluorescein Derivatives as Bifunctional Molecules for the Simultaneous Inhibiting and Labeling of FTO Protein. *J Am Chem Soc*. 2015 Nov 4;137(43):13736-9.

Shan L, et al. Multi-small molecule conjugations as new targeted delivery carriers for tumor therapy. *Int J Nanomedicine*. 2015 Sep 1;10:5571-91.

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