



7040 Virginia Manor Road  
Beltsville, MD 20705, USA  
Web: www.abpbio.com;  
Email: info@abpbio.com

## AMF [4'-(Aminomethyl)fluorescein]

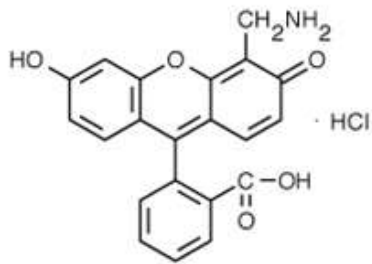
Catalog Number	Packaging Size
C301	25 mg

**Storage upon receipt:** -20°C, protect from light

### Introduction

The primary aliphatic amine of 4'-(aminomethyl)fluorescein can be reversibly coupled to aldehydes and ketones to form a Schiff base – which can be reduced to a stable amine derivative by sodium borohydride (NaBH<sub>4</sub>) or sodium cyanoborohydride (NaCNBH<sub>3</sub>) to form new probes. Carboxylic acids of proteins and other water-soluble biopolymers can be coupled to this molecule in aqueous solution using water-soluble carbodiimides such as EDAC.

### Specifications

<b>Label:</b>	Fluorescein	
<b>Ex/Em:</b>	494/520 nm	
<b>Detection Method:</b>	Fluorescent	
<b>Solubility:</b>	DMSO, DMF	
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>16</sub> ClNO <sub>5</sub>	
<b>Molecular Weight:</b>	397.81	
<b>CAS Number:</b>	91539-64-9	
<b>Storage Conditions:</b>	-20°C, protect from light	
<b>Shipping Condition:</b>	Room Temperature	

### Applications

Fluorescent labeling

### References:

- Swelling-based method for preparing stable, functionalized polymer colloids.  
Kim AJ, Manoharan VN, Crocker JC  
J Am Chem Soc (2005) 127:1592-1593
- 4'-[Aminomethyl]fluorescein and its N-alkyl derivatives: useful reagents in immunodiagnostic techniques.  
Shipchandler MT, Fino JR, Klein LD, Kirkemo CL  
Anal Biochem (1987) 162:89-101
- Redesigning an FKBP-ligand interface to generate chemical dimerizers with novel specificity.  
Clackson T, Yang W, Rozamus LW, Hatada M, Amara JF, Rollins CT, Stevenson LF, Magari SR, Wood SA, Courage NL, Lu X, Cerasoli F, Gilman M, Holt DA  
Proc Natl Acad Sci U S A (1998) 95:10437-10442