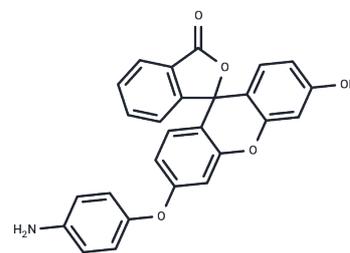


APF

Chemical Properties

CAS No. :	359010-70-1
Formula:	C ₂₆ H ₁₇ NO ₅
Molecular Weight:	423.42
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	APF is an aromatic amino-fluorescein derivative and fluorescent probe for highly reactive radicals. It has low intrinsic fluorescence, however, upon oxidation by hydroxyl radical, hypochlorite ion, and certain peroxidase intermediates, it is converted to the highly fluorescent molecule fluorescein, facilitating the detection of highly reactive biological radicals. APF is not oxidized by nitric oxide (NO), hydrogen peroxide (H ₂ O ₂), or other oxidants. Fluorescein displays excitation/emission maxima of 490/515 nm, respectively.
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Solubility Information

Solubility	Ethanol: 10 mg/mL DMF: 20 mg/mL Ethanol:PBS (pH 7.2)(1:3): 0.5 mg/mL DMSO: 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3617 mL	11.8086 mL	23.6172 mL
5 mM	0.4723 mL	2.3617 mL	4.7234 mL
10 mM	0.2362 mL	1.1809 mL	2.3617 mL
50 mM	0.0472 mL	0.2362 mL	0.4723 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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