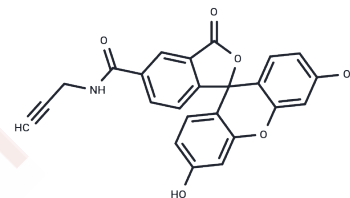


## 5-FAM-Alkyne

## Chemical Properties

CAS No. :	510758-19-7
Formula:	C <sub>24</sub> H <sub>15</sub> NO <sub>6</sub>
Molecular Weight:	413.38
Storage:	Keep away from moisture, Store at low temperature 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-FAM-Alkyne is a green fluorescent probe (Ex/Em = 490 nm/520 nm), which can be used for labeling peptides, proteins, and nucleotides, and its Alkyne group can undergo click chemistry reactions with molecules containing Azide groups.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 40 mg/mL (96.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4191 mL	12.0954 mL	24.1908 mL
5 mM	0.4838 mL	2.4191 mL	4.8382 mL
10 mM	0.2419 mL	1.2095 mL	2.4191 mL
50 mM	0.0484 mL	0.2419 mL	0.4838 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

Mengmeng Zhao, et al. A Sensitive Fluorescence Biosensor for Alkaline Phosphatase Activity Based on the Cu(II)-dependent DNAzyme. *Anal Chim Acta*. 2016 Dec 15;948:98-103.

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