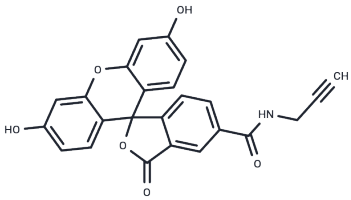
Data Sheet (Cat.No.T40593)

TargetMol
YOUR TARGET MOLECULES

5-FAM-Alkyne

Chemical Properties



CAS No. : 510758-19-7

Formula: C24H15NO6

Molecular Weight: 413.38

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	5-FAM-Alkyne is a highly selective and sensitive fluorescent biosensor designed for detecting alkaline phosphatase (ALP).
In vitro	One piece containing FAM fluorophore can easily diffuse into solution and give off a strong fluorescence signal[1].

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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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