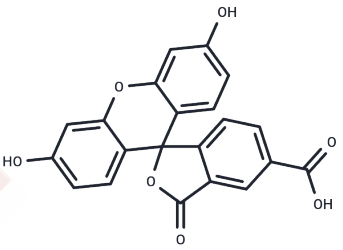
Data Sheet (Cat.No.T14050)

TargetMol

5-FAM

Chemical Properties



CAS No. : 76823-03-5

Formula: C21H12O7

Molecular Weight: 376.32

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	5-FAM (5-Carboxyfluorescein) (5-Carboxyfluorescein) contains a carboxylic acid, which can be used to react with primary amines via carbodiimide activation of the carboxylic acid. Fluorescein is the most common fluorescent derivatization reagent for labeling biomolecules. In addition to its excellent fluorescence quantum yield, relatively high absorptivity, and good water solubility, it also has an excitation maximum that closely matches the 488 nm spectral line of the argon-ion laser.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 30 mg/mL (79.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6573 mL	13.2866 mL	26.5731 mL
5 mM	0.5315 mL	2.6573 mL	5.3146 mL
10 mM	0.2657 mL	1.3287 mL	2.6573 mL
50 mM	0.0531 mL	0.2657 mL	0.5315 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

Lee J , Samson A , Song J M . Peptide substrate-based inkjet printing high-throughput MMP-9 anticancer assay using fluorescence resonance energy transfer (FRET)[J]. Sensors and Actuators B Chemical, 2017: S0925400517319494.

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