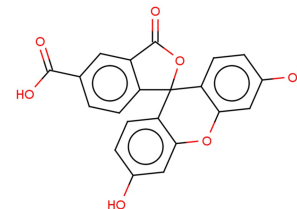


Data Sheet (Cat.No.T14050)

5-FAM

Chemical Properties

CAS No.:	76823-03-5
Formula:	C ₂₁ H ₁₂ O ₇
Molecular Weight:	376.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	5-FAM (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(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 30 mg/mL (79.72 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.657 mL	13.287 mL	26.573 mL
5 mM	0.531 mL	2.657 mL	5.315 mL
10 mM	0.266 mL	1.329 mL	2.657 mL
50 mM	0.053 mL	0.266 mL	0.531 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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