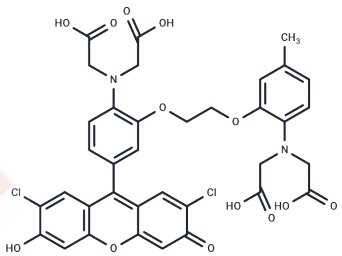
Data Sheet (Cat.No.T82391)

TargetMol

Fluo-3

Chemical Properties



CAS No. : 123632-39-3

Formula: C36H30Cl2N2O13

Molecular Weight: 769.54

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Fluo-3 and its derivative, Fluo3/AM, serve as fluorescent indicators for intracellular calcium (Ca2+), facilitating detection through flow cytometry and confocal laser scanning microscopy with visible light excitation (compatible with argon laser sources at 488 nm). Upon binding to calcium, these compounds exhibit a fluorescence intensity increase of approximately 40-fold.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2995 mL	6.4974 mL	12.9948 mL
5 mM	0.2599 mL	1.2995 mL	2.599 mL
10 mM	0.1299 mL	0.6497 mL	1.2995 mL
50 mM	0.026 mL	0.1299 mL	0.2599 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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