Data Sheet (Cat.No.T37316)



Fluo-3 (potassium salt)

Chemical Properties

CAS No.: 853400-67-6

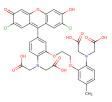
Formula: C36H30Cl2KN2O13

Molecular Weight: 808.64

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	Fluo-3 (potassium salt) is a fluorescent calcium indicator commonly used in flow
	cytometry and cell-based experiments to detect changes in intracellular calcium levels.
	Its absorption maximum at 506 nm makes it compatible with excitation at 488 nm by
	argon-ion laser sources. Fluo-3 provides intense fluorescence upon binding calcium,
	detected at a maximum emission at 526 nm which can be monitored by FL1 (green, 525
	nm band pass) sensors in flow cytometry.

Solubility Information

Solubility	H2O: Soluble
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2366 mL	6.1832 mL	12.3664 mL
5 mM	0.2473 mL	1.2366 mL	2.4733 mL
10 mM	0.1237 mL	0.6183 mL	1.2366 mL
50 mM	0.0247 mL	0.1237 mL	0.2473 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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