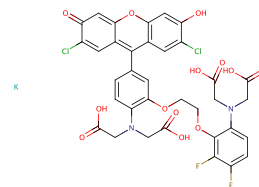


Fluo-3FF (potassium salt)

Chemical Properties

CAS No. :	348079-14-1
Formula:	C ₃₅ H ₂₁ Cl ₂ F ₂ K ₅ N ₂ O ₁₃
Molecular Weight:	981.94
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Fluo-3FF is a fluorescent calcium indicator. It is a di-fluorinated analog of Fluo-3 that displays about a 100-fold lower affinity than Fluo-3 for calcium ($K_{ds} = 42$ and $0.4 \mu\text{M}$, respectively). Low affinity calcium indicators are particularly useful for studying compartments with high concentrations of calcium, such as endoplasmic reticulum, where high affinity dyes will be insensitive to luminal fluctuations. Fluo-3FF has excitation/emission maxima of approximately 506 and 526 nm, respectively.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble ($< 1 \text{ mg/ml}$ refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0184 mL	5.092 mL	10.1839 mL
5 mM	0.2037 mL	1.0184 mL	2.0368 mL
10 mM	0.1018 mL	0.5092 mL	1.0184 mL
50 mM	0.0204 mL	0.1018 mL	0.2037 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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