Fluo-3 (ultra pure)

Calcium dye

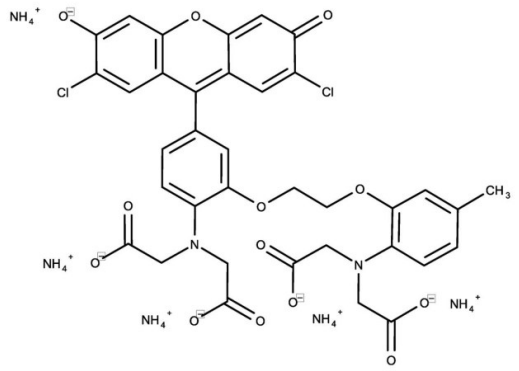
Fluo-3 is widely used in flow cytometry, confocal laserscanning microscopy and fluorescence spectroscopy. The probe has proved particularly valuable for determining GPCR function via cell-based high-throughput screening. Fluo-3 is a membrane impermeable probe and can be loaded in cells by microinjection, electroporation or scrape loading. The acetomethoxy (AM) version is necessary for passive cell loading. Once inside the cell, Fluo-3 becomes fluorescent, in the presence of free Ca (II). Fluo-3 is a long wavelength calcium probe (488 nm excitable). The longer wavelength of absorption is convenient for minimizing photodamage in cells. Wavelength Maxima: Excitation 506nm, Emission 526nm

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Ordering Information Order Online »

ENZ-52005	1mg

Manuals, SDS & CofA View Online »



Handling & Storage

Use/Stability	Stable for at least one year after receipt when stored as recommended.
Handling	Protect from light. Keep cool and dry.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1-[2-Amino-5-(2,7-dichloro-6-hydroxy-3-oxo-3H-xanthen-9-yl)phenoxy]-2-(2′-amino-5′-methylphenoxy)ethane-N,N,N’,N’-tetraacetic acid . 5NH3
CAS	339221-91-9
MW	854.7
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO.
Technical Info / Product Notes	This product is a member of the CELLESTIAL® product line, reagents and assay kits comprising fluorescent molecular probes that have been extensively benchmarked for live cell analysis applications. CELLESTIAL® reagents and kits are optimal for use in demanding imaging applications, such as confocal microscopy, flow cytometry and HCS, where consistency and reproducibility are required.

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