FURA-2 (ultra pure)

Calcium dye

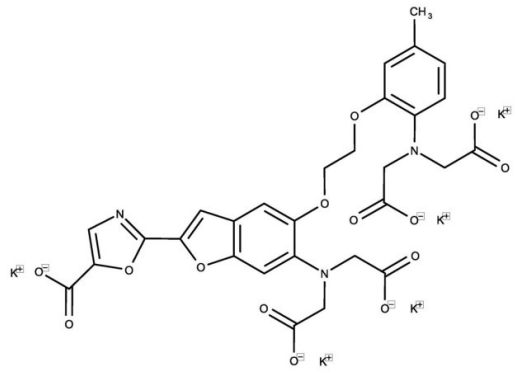
Fura-2 is one of the most widely used calcium indicators for homogenous quantitative dual wavelength ratiometric cell measurements. Fura-2 is particularly useful for digital imaging microscopy. It is less susceptible to photobleaching than Indo-1. The probe is excited only by UV light, which results in significantly less interference by visible wavelength excitable fluorescent compounds. One application of the probe is as a useful counter screen tool for GPCR and calcium channels identified using calcium indicators excited at 488nm in primary screens. Fura-2 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. Wavelength Maxima: Excitation 363nm, Emission 512nm

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Ordering Information Order Online »

ENZ-52007	1mg

Manuals, SDS & CofA View Online »


CH3
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K+
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K+
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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-(5-Carboxyoxazol-2-yl)-6-aminobenzofuran-5-oxy]-2-(2′-amino-5′-methyl-phenoxy)ethane-N,N,N’,N’-tetraacetic acid . 5K
Appearance	Light yellow solid.
CAS	113694-64-7
Formula	$C_{29}H_{22}K_5N_3O_{14}$
MW	832.0
Purity	≥95% (HPLC)
Solubility	Soluble in water.
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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