Rhod-2 AM (ultra pure)

Calcium dye

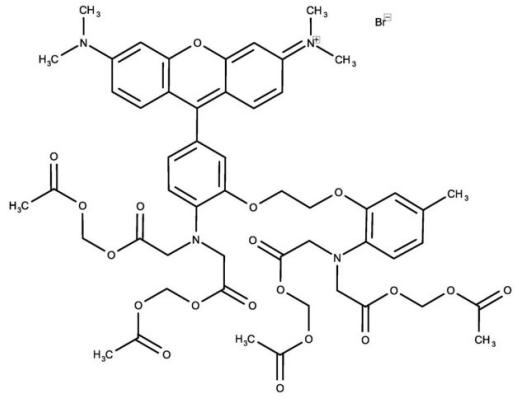
Rhod-2 AM has the longest fluorescent emission signal of the commonly used calcium indicators. It contains a rhodamine-like fluorophore, making it suitable for use with argon and krypton laser excitation sources. Rhod-2 signal intensity one of the strongest of all the calcium probes. Rhod 2 is especially suitable probe for intracellular calcium monitoring by confocal laser-scanning microscopy and flow cytometry. The dissociation constant of Rhod 2 with calcium is among the highest of all the fluorescent calcium probes, providing a wider range for monitoring calcium concentration. Rhod-2 AM is an acetoxymethyl ester derivative of Rhod-2 that can be easily loaded into cells by passive incubation. Wavelength Maxima: Excitation 549nm, Emission 578nm

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Ordering Information Order Online »

ENZ-52010	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-(3-dimethylamino-6-dimethylammonio-9-xanthenyl)phenoxy]-2-(2-amino-5-methylphenoxy)]ethane-N,N,N',N'-tetraacetic acid, tetraacetoxy methyl ester . Br
CAS	145037-81-6
MW	1124.0
Purity	≥90% (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.

Last modified: May 29, 2024

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