Dihydrorhodamine 123 (ultra pure)

Mitochondria dye

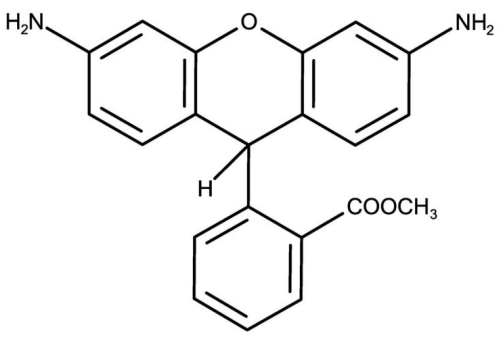
Dihydrorhodamine 123 is a widely utilized probe for detection of intracellular reactive oxygen species (ROS) such as peroxide, hypochlorous acid and peroxynitrite. It is readily oxidized into rhodamine 123, which exhibits a spectral profile similar to that of FITC. In combination with other fluorescent probes (such as surface receptor-targeted fluorescent antibodies, the cell viability probe propidium iodide, or fluorescent calcium indicators) dihydrorhodamine 123 can be used for multiparametric cell measurements. Wavelength Maxima: Excitation 507nm, Emission 529nm

Citations: 3 View Online »

Ordering Information Order Online »

ENZ-52302	10mg

Manuals, SDS & CofA View Online »


H2N
O
NH2
H
COOCH3

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	2-(3,6-Diamino-9H-xanthene-9-yl)-benzoic acid methyl ester
CAS	109244-58-8
MW	346.4
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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