Rhodamine 123 (ultra pure)

Mitochondria dye

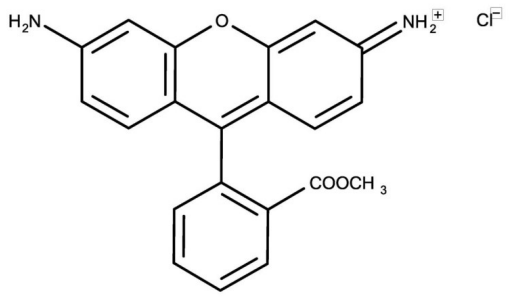
Rhodamine 123 is a cell-permeant, cationic, green-fluorescent dye that is readily sequestered by active mitochondria without cytotoxic effects. Rhodamine 123 can be used in multi-parametric analysis, without fluorescence interference, in combination with common protein labeling dyes such as cyanine-5 and AMCA. With respect to apoptosis, the presence of mitochondrial membrane potential can be probed with rhodamine 123 while the structure and integrity of mitochondria can be assessed using 10-N-nonyl-acridine orange. Wavelength Maxima: Excitation 507nm, Emission 529nm

Citations: 8 View Online »

Ordering Information Order Online »

ENZ-52307	25mg

Manuals, SDS & CofA View Online »


H2N
O
NH2+
Cl−
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	3,6-Diamino-9-(2-(methoxycarbonyl)phenyl xanthylium chloride
CAS	62669-70-9
Formula	$C_{21}H_{17}ClN_2O_3$
MW	380.8
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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