

Product datasheet

Rhodamine 123 ab275545

[2 References](#) [1 Image](#)

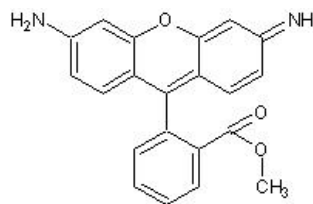
Overview

Product name	Rhodamine 123
Description	Cell-permeable, green fluorescent dye suitable for monitoring membrane polarization
Biological description	Cell-permeable, green fluorescent dye suitable for monitoring membrane polarization in mitochondria and bacteria in live cell assays. Accumulation in membranes is dependent on membrane polarization. Also used in fluorescence microscopy, flow cytometry, fluorescence correlation spectroscopy and ELISA. Absorption peak at 505 nm. Luminescence tunable at ~560 nm when used as a laser dye.

Purity > 98%

CAS Number 62669-70-9

Chemical structure



Properties

Chemical name	3,6-Diamino-9-[2-(methoxycarbonyl)phenyl]xanthylium chloride
Molecular weight	380.83
Molecular formula	C ₂₁ H ₁₆ N ₂ O ₃ ·HCl
PubChem identifier	9929799
Storage instructions	Shipped at 4°C. Store at +4°C. Store under desiccating conditions.
Solubility overview	Soluble in DMSO.

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked](#)

[questions \(FAQ\) page](#) for more details.

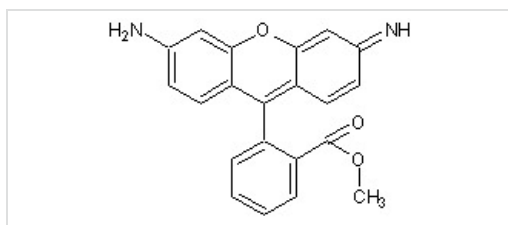
SMILES

COC(=O)C1=CC=CC=C1C2=C3C=CC(=N)C=C3OC4=C2C=CC(=C4)N.Cl

Source

Synthetic

Images



Chemical Structure - Rhodamine 123 (ab275545)

Chemical structure of Rhodamine 123, 62669-70-9

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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