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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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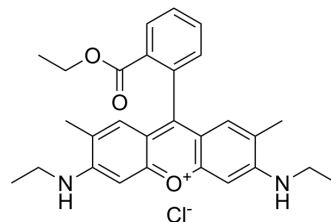
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Rhodamine 6G (Standard)

Cat. No.:	HY-D0309R
CAS No.:	989-38-8
Molecular Formula:	C ₂₈ H ₃₁ ClN ₂ O ₃
Molecular Weight:	479.01
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Rhodamine 6G (Standard) is the analytical standard of Rhodamine 6G. This product is intended for research and analytical applications. Rhodamine dyes are membrane-permeable cationic fluorescent probes that specifically recognize mitochondrial membrane potentials, thereby attaching to mitochondria and producing bright fluorescence, and at certain concentrations, rhodamine dyes have low toxicity to cells, so they are commonly used to detect mitochondria in animal cells, plant cells, and microorganisms^[1].

REFERENCES

- [1]. Zehentbauer FM, et al. Fluorescence spectroscopy of Rhodamine 6G: concentration and solvent effects. *Spectrochim Acta A Mol Biomol Spectrosc.* 2014;121:147-51.
- [2]. Kutushov M, et al. Low concentrations of Rhodamine 6G selectively destroy tumor cells and improve survival of melanoma transplanted mice. *Neoplasma.* 2013;60(3):262-73.
- [3]. Jain RK, et al. Measuring leukocyte-endothelial interactions in mice. *Cold Spring Harb Protoc.* 2013 Jun 1;2013(6):561-3.
- [4]. Kutushov M, et al. Low concentrations of Rhodamine 6G selectively destroy tumor cells and improve survival of melanoma transplanted mice. *Neoplasma.* 2013;60(3):262-73.

Caution: Product has not been fully validated for medical applications. For research use only.

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