
Rh237 membrane potential fluorescent probe

Cat. No.: R598332 | Pack size: 1mg; 5mg | Storage: Protected from light, Store at -20°C

Overview

The styryl dye RH237 is a fast-response potential probe, primarily used for functional imaging of neurons, as well as for monitoring membrane potential, synaptic activity, and neuronal ion channel activity. Styryl dyes typically exhibit a blue shift of approximately 20 nm in their absorption or excitation spectra and a blue shift of 80 nm in their emission spectra.

Application

Membrane potential staining.

Product Features

1. Stable performance: High fluorescence brightness and excellent photostability.
2. Low batch-to-batch variation: In-house developed product with stringent control over batch consistency.
3. Easy to use: A wide range of membrane potential dyes are available, offering flexible and convenient selection.

Product parameters:

1. Appearance: Black solid, soluble in DMSO.
2. Ex/Em: 528/782 nm (in MeOH).
3. CAS No.: 83668-91-1.
4. Formula: $C_{29}H_{40}N_2O_3S$.
5. Molecular weight: 496.7.

Precautions

1. Briefly centrifuge the product to the bottom of the tube before use prior to subsequent experiments.

- All fluorescent dyes are subject to photobleaching. Protect from light as much as possible to slow fluorescence quenching.
- This product is for research use only. It is not intended for clinical diagnosis or therapy, nor for use in food or pharmaceutical products. It shall not be stored in ordinary residential premises.
- For your safety and health, please wear a lab coat and disposable gloves during operation.

Specifications

Attribute	Value
Synonyms	4-(4-(6-(4-(Dibutylamino)phenyl)hexa-1,3,5-trien-1-yl)pyridin-1-ium-1-yl)butane-1-sulfonate RH 237 RH237 membrane potential fluorescent probe N-(4-Sulfobutyl)-4-(6-(4-(dibutylamino) phenyl) hexatrienyl) pyridinium, inner salt RH237 voltage-sensitive
Specifications & Purity	BioReagent,for microscopy,Biological Stain,for fluorescence analysis
Stability And Storage	Store at -20°C long term (60 months). Store in the dark.
Storage Conditions	Protected from light,Store at -20°C
Shipped In	Ice chest + Ice pads. This product requires cold chain shipping. Ground and other economy services are not available.

Contact & Global Offices

Whether you have a technical question, need help with a quotation, or want to inquire about an order, our regional teams are ready to assist. Please contact the office that best matches your location or support needs.

<p>NORTH AMERICAN SALES, SUPPORT & GENERAL INQUIRIES</p> <p>Aladdin Scientific Corporation</p> <p>14078 Meridian Parkway, Riverside, CA 92518, USA</p> <p>Phone: 1-833-552-7181</p> <p>Sales: sales@aladdinsci.com</p> <p>Customer Service: custserv@aladdinsci.com</p>	<p>EU SALES, LOGISTICS & LOCALIZED SUPPORT</p> <p>Aladdin Biochem Deutschland GmbH</p> <p>Westring 2, 33142 Büren, Germany</p> <p>Phone: +02951 9383958</p> <p>Support: support.eu@aladdinsci.com</p>
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Limitations & Disclaimer

- For Research Use Only (RUO). Not for use in human or animal diagnostics, therapeutics, or in vivo applications. Not for food, cosmetic, or household use.
- This product is not a CE-marked in vitro diagnostic device under IVDR (EU) 2017/746 and is not an FDA-cleared device under 21 CFR. Use is restricted to qualified laboratory personnel.
- Where any kit component is classified as hazardous under CLP (EC) 1272/2008 or OSHA HCS (29 CFR 1910.1200), the product Safety Data Sheet (SDS) takes precedence over this document for hazard classification, PPE, handling, storage, and disposal.
- Performance depends on sample type, sample condition, handling, and operator technique. Users are responsible for validating the product for their specific sample matrix, instrument platform, and downstream application.
- Aladdin product labels, SDS, COA, and approved specifications take precedence over this document. If product formulation, label, SDS, storage conditions, pack size, or quality specifications change, this document would be reviewed and reissued.