Sulforhodamine 101, sodium salt

Catalog number: 71
Unit size: 25 mg

Component	Storage	Amount
Sulforhodamine 101, sodium salt	Freeze (<-15 °C), Minimize light exposure	25 mg

OVERVIEW

Sulforhodamine 101 is a fluorescence reference standard for measuring fluorescence quantum yield. It is also the key precursor used for preparing rhodamine 101 sulfonyl chloride (also called Texas Red®, a trademark of Molecular Probes). This sulforhodamine 101 sodium salt is more water-soluble than the neutral sulforhodamine 101.

AT A GLANCE

Important

Store at -20 °C, desiccated and protected from light. Expiration date is one year from the date of receipt.

KEY PARAMETERS

Instrument:	Fluorescence microplate reader
Excitation:	586 nm
Emission:	605 nm
Cutoff:	590 nm
Recommended plate:	Solid black
Instrument specification(s):	TRITC filterset

PREPARATION OF STOCK SOLUTIONS

Unless otherwise noted, all unused stock solutions should be divided into single-use aliquots and stored at -20 °C after preparation. Avoid repeated freeze-thaw cycles.

1. Sulforhodamine 101 stock solution (1mM):
Add 1.591 µL DMSO or water to 1 mg Sulforhodamine 101 to make 1 mM stock solution.

Note Add appropriate amount of DMSO or water to make appropriate concentration of stock solution.

PREPARATION OF WORKING SOLUTION

1. Sulforhodamine 101 working solution:
Working solution can be diluted in phosphate or Tris buffer, pH 7-8.

Note Make appropriate concentration of working solution as per needed.

EXAMPLE DATA ANALYSIS AND FIGURES

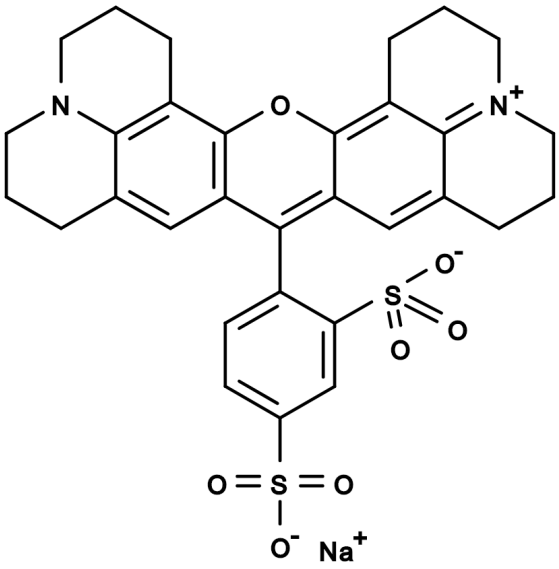

Figure 1. Chemical structure for Sulforhodamine 101, sodium salt

DISCLAIMER

AAT Bioquest provides high-quality reagents and materials for research use only. For proper handling of potentially hazardous chemicals, please consult the Safety Data Sheet (SDS) provided for the product. Chemical analysis and/or reverse engineering of any kit or its components is strictly prohibited without written permission from AAT Bioquest. Please call 408-733-1055 or email info@aatbio.com if you have any questions.

Tel: 408-733-1055 | Fax: 408-733-1304 | Email: support@aatbio.com