



CERTIFICATE OF ANALYSIS

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1. Identification

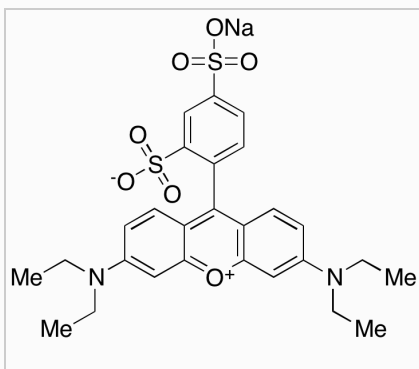
Catalogue Number: S789300

CAS Number: 3520-42-1

Synonym: 3,6-Bis(diethylamino)-9-(2,4-disulfophenyl)-xanthylium Sodium Salt; [6-(Diethylamino)-9-(2,4-disulfophenyl)-3H-xanthen-3-ylidene]diethylammonium Hydroxide; C.I. Acid Red 52; AR 52; Acid Leather Red KB; Acid Red 52; Acid Red B-SF; Acid Red XB; Acid Rhodamine; Acid Rhodamine B; Acid Rose B; Acid Rose Red B; Aizen Food Red No. 106; Amacid Rhodamine B; Amido Rhodamine B; Best Acid Rhodamine FB; Brilliant Acid Rhodamine B; Brilliant Superlan Rhodamine 2B; Brilliant Superlan Rhodamine B; C.I. 45100; C

Product: Sulforhodamine B Sodium Salt

Structure:



Molecular Formula:

$C_{27}H_{29}N_2NaO_7S_2$

Molecular weight:

580.65

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 1-SUM-61-1

Purity: 95%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 50.34, %H: 5.05, %N: 4.35
NMR	Conforms to Structure	Conforms
Appearance	Brown to Very Dark Purple Solid	Very Dark Purple Solid
UV Absorbance	Report Result	199 nm, 260 nm, 353 nm, 565 nm
MS	Conforms to Structure	Conforms
Water Content	Report Result	~4.2% based on Elemental Analysis

Additional Information:

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	11/30/2021	11/28/2025
				