



CERTIFICATE OF ANALYSIS

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1. Identification

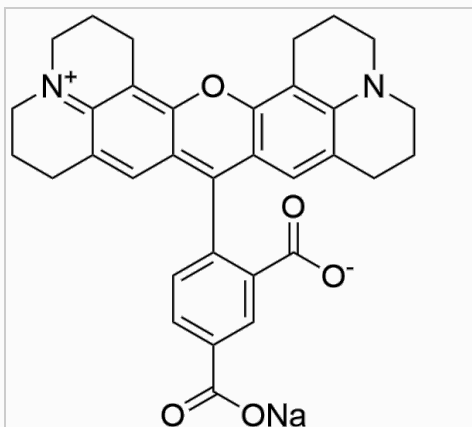
Catalogue Number: R637385

CAS Number: 216699-35-3

Product: 5-ROX

Synonym: 5-Carboxy-X-rhodamine Sodium Salt

Structure:



Molecular Formula:

$C_{33}H_{29}NaN_2O_5$

Molecular weight:

534.6

Source of Product:

N/A

Solubility:

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

Lot Number: 14-QIU-77-1

Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Green to Very Dark Purple Solid	Dark Green to Very Dark Green Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
UV Absorbance	Report Result	205 nm, 267 nm, 303 nm, 370 nm, 578 nm
Elemental Analysis	Conforms	%C: 58.57, %H: 6.01, %N: 4.27
Water Content	Report Result	16.2% by Karl Fischer
Sodium Content	Report Result	3.66% by Ion Chromatography

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	3/15/2022	3/13/2026