



CERTIFICATE OF ANALYSIS

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1. Identification

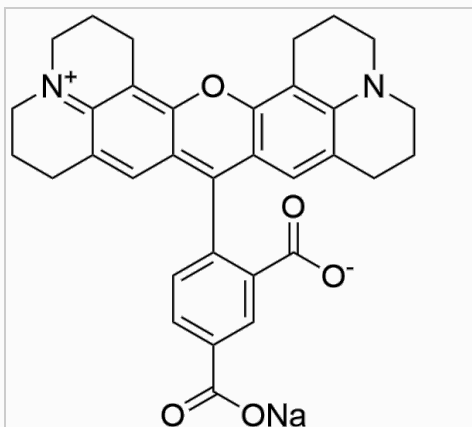
Catalogue Number: R637385

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: 22-JPO-119-1

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	Very Dark Green Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 58.94, %H: 5.98, %N: 4.24
MS	Conforms to Structure	Conforms
Sodium Content	Report Result	3.57% by Ion Chromatography
UV Absorbance	Report Result	205 nm, 268 nm, 302 nm, 369 nm, 578 nm
FT-IR	Conforms to Structure	Conforms
Water Content	Report Result	~16.5% 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
Nicole Yip	Toni Rantanen	Chanell Chu	3/30/2022	3/28/2026