



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

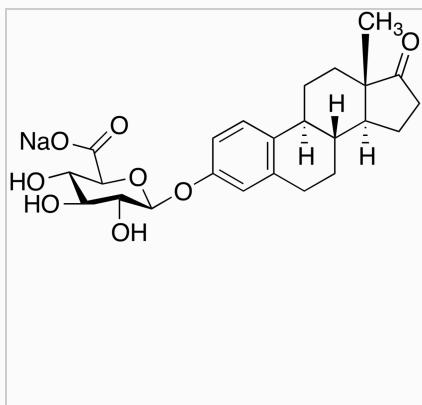
Catalogue Number: E889055

CAS Number: 15087-01-1

Product: Estrone b-D-Glucuronide Sodium Salt (>97% by HPLC)

Synonym: 17-Oxoestra-1,3,5(10)-trien-3-yl β -D-Glucopyranosiduronate Sodium; Estrone β -Glucuronide Sodium; Estrone 3-Glucuronide Sodium; Estrone Glucosiduronate Sodium; Estrone Glucuronide Sodium; Estrone Monoglucuronide Sodium; Sodium Estrone Glucuronide;

Structure:



Molecular Formula:

C₂₄H₂₉NaO₈

Molecular weight:

468.47

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly, Heated, Sonicated), Water (Slightly)

Lot Number: 10-JMR-168-1

Purity: 97%

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	White to Pale Brown Solid	Pale Brown Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 58.48, %H: 6.46
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+28.1° (c = 0.5, Methanol)
Sodium Content	Report Result	4.56% by Ion Chromatography
Water Content	Report Result	2.9% by Karl Fischer
HPLC Purity	Report Result	96.43% (205 nm)

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
Neha Khanna	Toni Rantanen	Chanell Chu	7/26/2021	7/24/2025



The table contains five columns with the following data:

- Reviewed By:** Neha Khanna (Signature: Neha)
- Reviewed By:** Toni Rantanen (Signature: Toni)
- C of A Approved By:** Chanell Chu (Signature: Chanell Chu)
- Test Date:** 7/26/2021
- Retest Date:** 7/24/2025