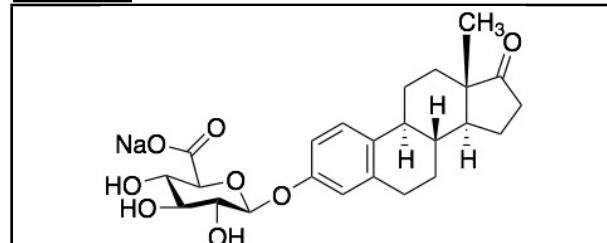


# CERTIFICATE OF ANALYSIS

## 1. Identification

Catalogue Number E889055 Lot Number 5-SUB-72-7

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

StructureSynonyms

17-Oxoestra-1,3,5(10)-trien-3-yl  $\beta$ -D-Glucopyranosiduronate Sodium; Estrone  $\beta$ -Glucuronide Sodium; Estrone 3-Glucuronide Sodium; Estrone Glucosiduronate Sodium; Estrone Glucuronide Sodium; Estrone Monoglucuronide Sodium; Sodium Estrone Glucuronide;

CAS Number

15087-01-1

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>24</sub>H<sub>29</sub>NaO<sub>8</sub>

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

468.47

Purity

>95%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Pale Brown Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 59.44, %H: 6.39
HPLC Purity	>95%	98.30% (220 nm)
MS	Conforms to Structure	Conforms
Sodium Content	Report Result	4.9%
Specific Rotation	Report Result	+26.3° (c = 0.5, Methanol)

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

<u>Reviewed by</u>  Sarjeet Kaur Product Quality Specialist	<u>Reviewed by</u>  Toni Rantanen Manager, Quality Assurance	<u>C of A Approved by</u>  Chanell Chu Quality Assurance Associate	<u>Test Date</u> 4/11/2024	<u>Retest Date</u> 4/9/2028