



CERTIFICATE OF ANALYSIS

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1. Identification

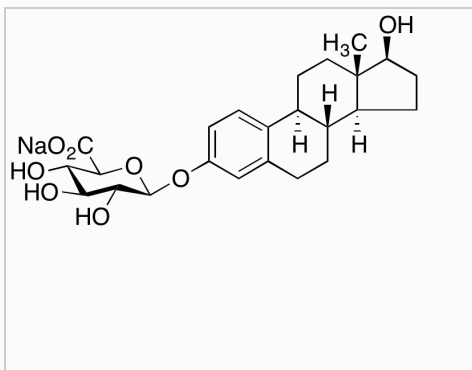
Catalogue Number: E888978

CAS Number: 14982-12-8

Product: Beta-Estradiol 3-(Beta-D-Glucuronide)
Sodium Salt - MOQ

Synonym:

Structure:



Molecular Formula:

$C_{24}H_{31}NaO_8$

Molecular weight:

470.49

Source of Product:

Synthetic

Solubility:

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

Lot Number: 9-EVK-114-1

Purity: 96%

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: 55.63, %H: 7.36
HPLC Purity	Report Result	96.82% (200 nm)
NMR	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White to Off-White Solid
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-18.0° (c = 0.1, Methanol)
Sodium Content	Report Result	4.71% by Ion Chromatography
Water Content	Report Result	~9.1% 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	6/2/2022	5/31/2026