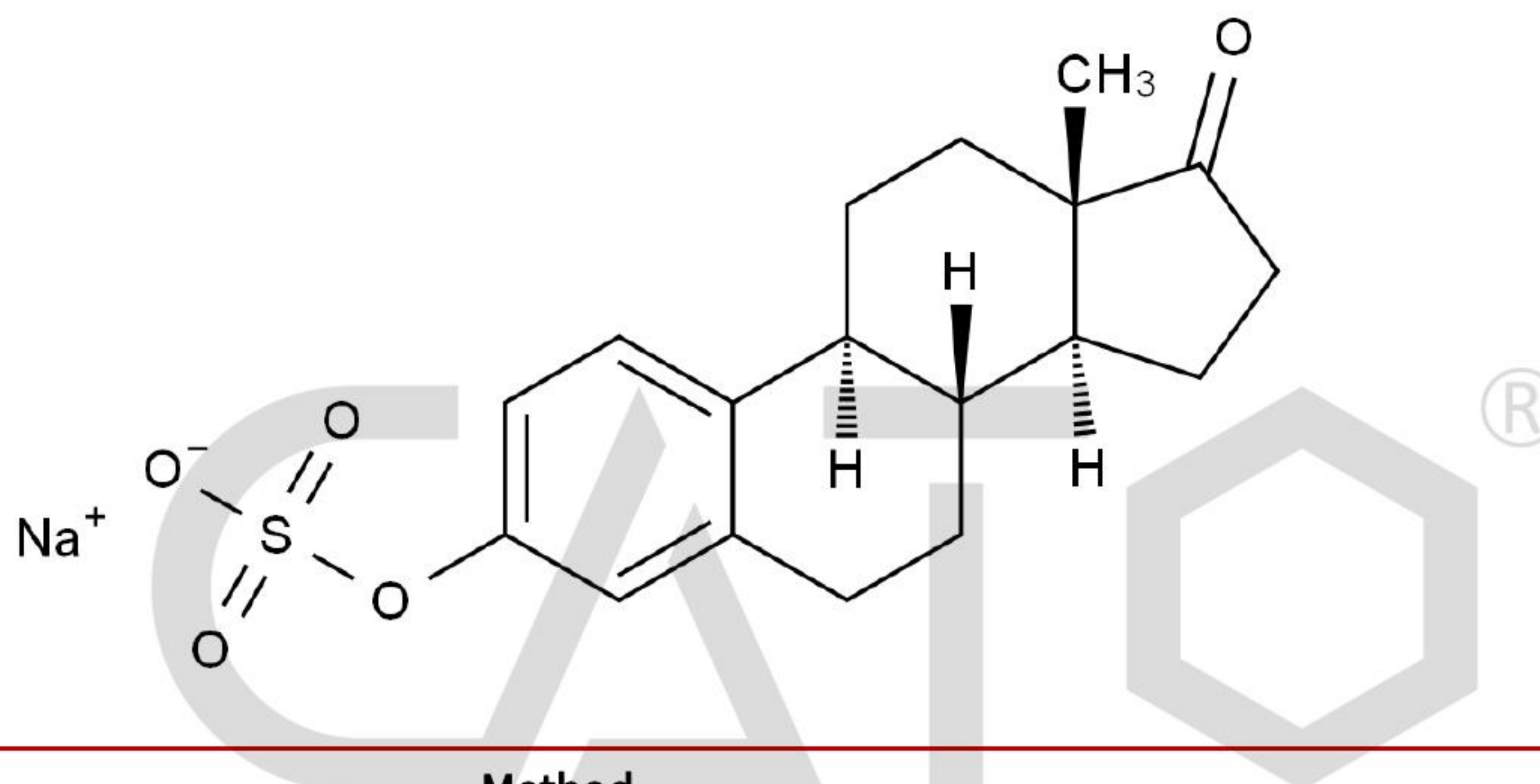


Certificate of Analysis

Reference Material & Standard

Product Name:	Estrone 3-Sulfate Sodium Salt	Catalogue Number:	C4X-21051
Synonyms:	N/A	Lot Number:	0311-RG-0077
CAS Number:	438-67-5	Expiry Date:	Feb 23, 2027
Molecular Formula:	C ₁₈ H ₂₁ O ₅ Na	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	349.42 22.99		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	100.00%
Water Content	Karl Fischer	9.98%
Assay		90.0%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Mar 13, 2025

Date: Mar 13, 2025

Date: Mar 13, 2025

