



CERTIFICATE OF ANALYSIS

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1. Identification

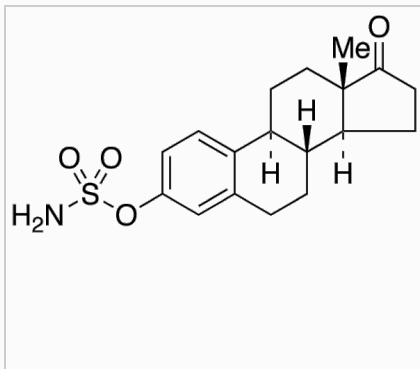
Catalogue Number: E889060

CAS Number: 148672-09-7

Product: Estrone 3-O-Sulfamate

Synonym: 3-[(Aminosulfonyl)oxy]estra-1,3,5(10)-trien-17-one; EMATE; Estrone 3-Sulfamate; Estrone O-Sulfamate; Estrone Sulfamate;

Structure:



Molecular Formula:

C₁₈H₂₃NO₄S

Molecular weight:

349.44

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 6-ECGW-90-1

Purity: 98%

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:
Elemental Analysis	Conforms	%C: 61.91, %H: 7.08, %N: 4.05
Appearance	White to Pale Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.67% (205 nm)
MS	Conforms to Structure	Conforms

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
Sarbjeeet Kaur	Toni Rantanen	Christina Gouliaras	7/19/2022	7/17/2029