

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

15652005 19-Nortestosterone 17-decanoate
CA 17b-Hydroxy-4-estren-3-one 17-decanoate
IUPAC 4-Estren-17b-ol-3-one 17-decanoate
Formula C₂₈H₄₄O₃
Mol.Weight 428.7
CAS No. 360-70-3

Reference Materials for Residue Analysis

Expiry Date 12.09.2019
Lot Number 148606
Store at 4 °C ±4 °C

Please note: The expiry date is valid under recommended storage conditions only.

Toxicological Data



R Code 40

S Code 22-36

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid

Color colourless

Melt.Range

Vapour pressure N/A at °C

Solubility in water NA g/l at °C

Boiling Range (lit.)

Analytical Data

Identity: NMR, MS, IR, UV, RT

Comment For method information see chromatogram.

Water Content 0.6 % Determined by Karl-Fischer Titration

Det. Purity 95.9 % Tolerance/Uncertainty +/- 2.0 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is $U_c(y) \cdot K$, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.

Certified on 12.09.2017
by N. Müller

Handwritten signature: Müller

The Laboratory LGC Labor GmbH is accredited by DAkkS as indicated by the Accreditation Number D-RM-19883-01 & D-PL-19883-01 has shown competence based on ISO Guide 34:2009 with relevant parts of DIN EN ISO/IEC 17025:2005 for production of certified reference materials in form of organic pure substances and in form of single and multi-component solutions organic pure substances.

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The warranty for this product is limited to the purchasing price of this product.

HPLC Conditions:

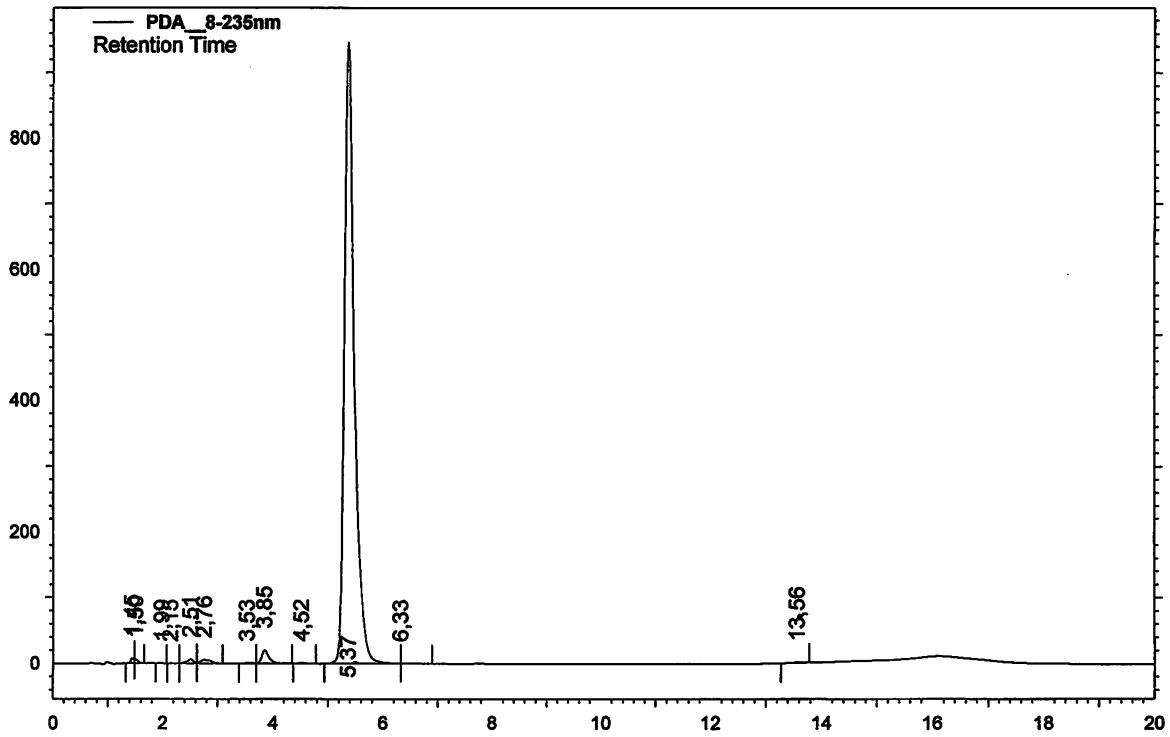
Column:
LiChrospher
60 RP-select B
5 µm, 125 x 4 mm

Conditions:
1.0 ml/min, 40 °C
0-10 min Water/Acetonitrile 20/80
10-13 min Water/Acetonitrile to 5/95
13-15 min Water/Acetonitrile to 20/80
15-20 min Water/Acetonitrile 20/80 (v/v);
0.1 % H₃PO₄

Detector:
DAD
235 nm

Injector:
Auto
8 µl; 0.1642 mg/ml in
Water/Acetonitrile 50/50 (v/v)

12.09.17
kt



Area Percent Report - Sorted by Signal

Pk #	Retention Time	Area	Area %
1	1.45	28195	0.23
2	1.50	25739	0.21
3	1.99	1586	0.01
4	2.15	1792	0.01
5	2.51	52235	0.43
6	2.76	73175	0.60
7	3.53	6968	0.06
8	3.85	186171	1.52
9	4.52	9009	0.07
10	5.37	11821511	96.68
11	6.33	11541	0.09
12	13.56	9705	0.08
Totals		12227627	100.00

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