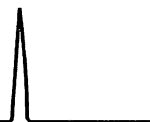


Certificate of Analysis

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 11.05.2017
Lot Number 50224
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 Vapour pressure N/A at °C
Color colourless Solubility in water N/A g/l at °C
Melt.Range Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column:

Inj.-Vol.: 10.00 µl

Flow: 0.5 ml/min

Ret.-Time: 6.44 min.

Method Details:

Acetonitrile:100%

Identity: RT, UV

Comment Purity was confirmed by external standard method.
Column: Reprosil 100 C8, 3µm, 250*3mm

Water Content 0,1 % Determined by Karl-Fischer Titration

Det. Purity 95,0 % 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 $Uc(y)*K$, 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 11.05.2015

by V. Wagner

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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Phone +49 821 906080 · Fax +49 821 9060888 · augsburg.inquiry@lgcgroup.com
The warranty for this product is limited to the purchasing price of this product.

Sample Name: 50302AL 50224

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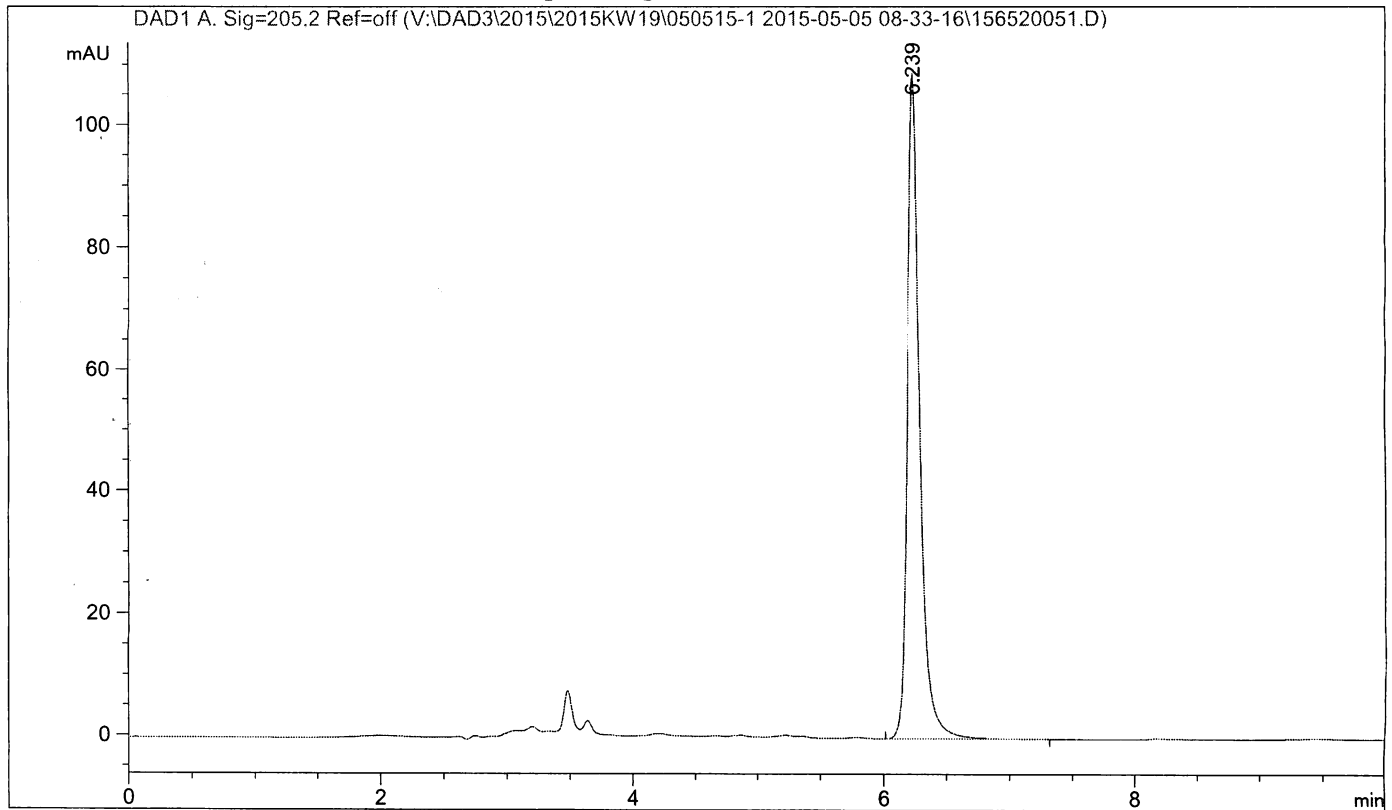
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Acq. Operator   : DAD3_Admin                      Seq. Line :    2
Acq. Instrument : DAD3                          Location  : Vial 48
Injection Date  : 05.05.2015 08:55:01           Inj       :    1
                                                    Inj Volume: 10.000 µl
Acq. Method     : C:\CHEM32\1\DATA\2015KW19\050515-1 2015-05-05 08-33-16\100AL05_
                S2.M
Last changed    : 05.05.2015 08:24:20 by DAD3_Admin
Analysis Method : V:\DAD3\METHODS\100AL05_S2.M
Last changed    : 05.05.2015 08:24:20 by DAD3_Admin
Method Info     : Acetonitrile 100%

Sample Info     : 19-Nortestosterone 17-decanoate
                Column: Reprosil 100 C8, 3µm, 250 x 3mm

```

J.S.

Additional Info : Peak(s) manually integrated



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=====
                          Area Percent Report
=====

```

```

Sorted By           :      Retention Time
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

```

Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	6.239	1	BB	759.99341	108.72731	100.0000

```
Totals :                759.99341  108.72731
```