

Certificate of Analysis



Product Identification

12598020 Dienestrol diacetate

CA Phenol, 4,4'-(1,2-diethylidene-1,2-ethanediyloxy)bis-, diacetate

IUPAC 3,4-Bis(4-acetoxyphenyl)-2,4-hexadiene

Formula C₂₂H₂₂O₄

Mol.Weight 350.4


CAS No. 84-19-5

Expiry Date 10.09.2024

Lot Number 855492

Store at 20 °C ±4 °C

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

Toxicological Data	Physical Data
 R Code 49 S Code 39 LD50 (Rats female/male in mg/kg) N/A	Phase crystalline solid Color colourless Melt.Range 118.8 °C Vapour pressure N/A at °C Solubility in water N/A g/l at °C Boiling Range (lit.)
Analytical Data Detection: HPLC/DAD Column: ReproSil 100 C18 5µ 250x3 Inj.-Vol.: 10.00 µl Flow: 1.0 ml/min Ret.-Time: 18.05 min.	Method Details: Eluent A: Acetonitrile:H ₂ O 1:9 for 1 min Eluent B: Acetonitrile 100% for 5 min Eluent A -> Eluent B: 19 min
Identity: UV, RT, MS, EA, NMR Comment Purity was determined by chromatographic assay corrected by water and/or residue solvents.	
Water Content 1.0 % Determined by Karl-Fischer Titration Det. Purity 98.3 % Tolerance/Uncertainty +/- 1.0 % <p>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)*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.</p>	

Certified on 10.09.2018

by M. Beck

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.

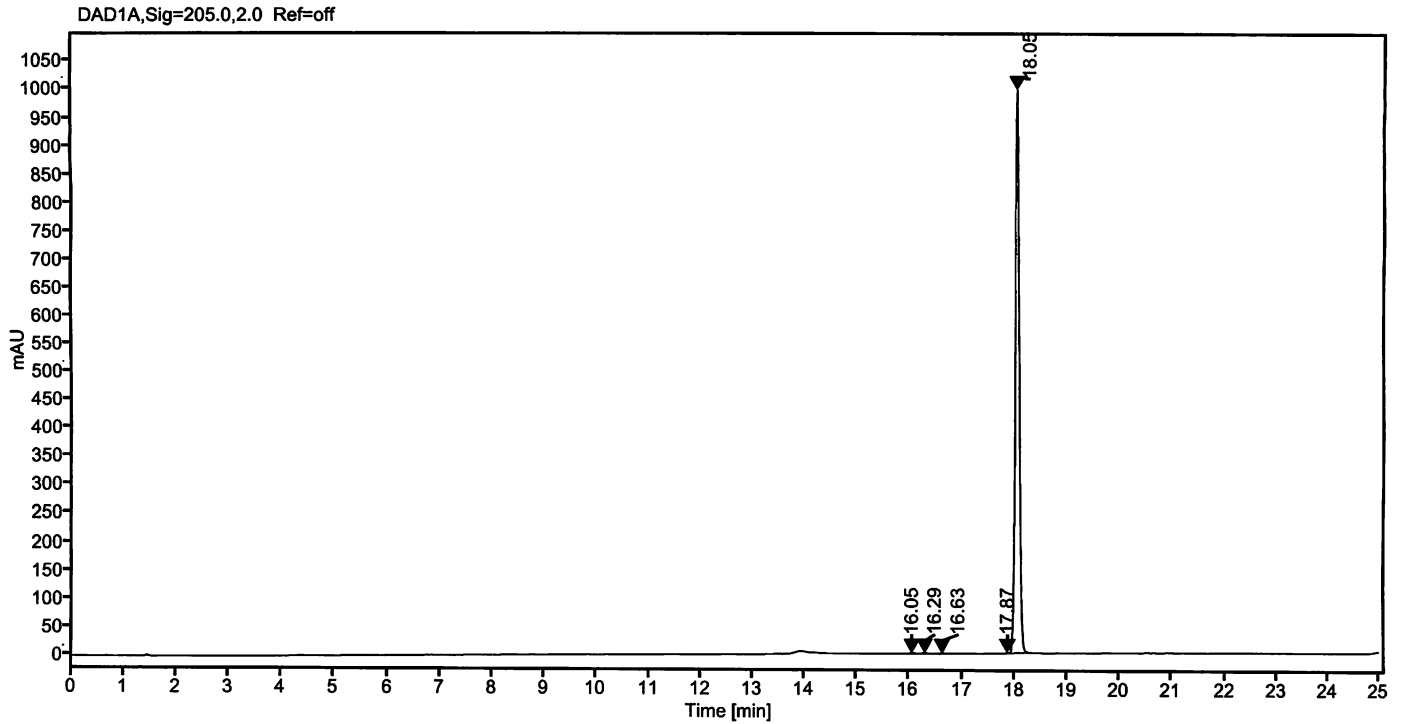
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The warranty for this product is limited to the purchasing price of this product.

CP. 8/25/18

Data file: 12598020-10-r001.dx
Sample name: 80823AL 855492
Inj. volume [µl]: 10.0
Acq. method: Gradient_10-100_K.amx

Instrument: DAD3
Sequence Name: 24082018-GradieKPK
Injection date: 8/25/2018 9:42:11 AM
Location: 32

Sample Description Dienestrol diacetate



Signal: DAD1A,Sig=205.0,2.0 Ref=off

Nr.	RT [min]	Area	Height	Area%
1	16.05	10.22146	1.80	0.20
2	16.29	11.64805	1.99	0.23
3	16.63	8.53211	1.48	0.17
4	17.87	3.82528	1.09	0.07
5	18.05	5113.71918	993.28	99.34
	Sum	5147.95		

H. Bal