

Steroids Separation using Enhanced Polar Selectivity

Application #AN2470

Conditions

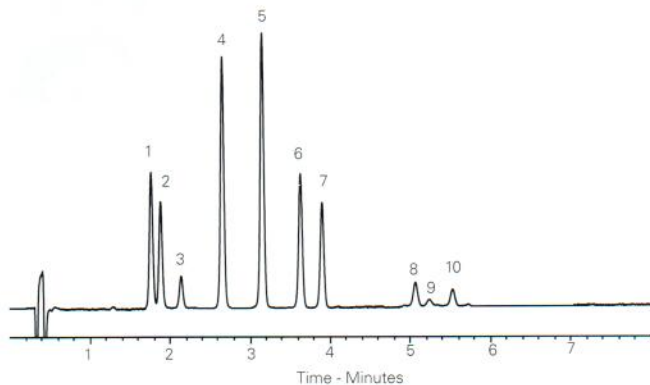
Column: ACE Excel 3 C18-Amide
Dimensions: 50 x 2.1 mm
Part Number: EXL-1112-0502U
Mobile Phase: A: 0.1% formic acid in H₂O
 B: 0.1% formic acid in MeCN
Gradient:

Time (mins)	%B
0	25
10	80

Flow Rate: 0.4 mL/min
Temperature: 20 °C
Detection: UV, 260 nm

Analytes

1. Prednisone
2. Prednisolone
3. Estrilol
4. Corticosterone
5. 11 α -Hydroxyprogesterone
6. 11-Ketoprogesterone
7. 21-Hydroxyprogesterone
8. β -Estradiol
9. 17 α -Estradiol
10. 17 α -Ethinylestradiol



Available from



LCC Engineering & Trading GmbH
 Steinbruchstrasse 4, CH-4622 Egerkingen, Switzerland
 Tel.: +41 62 398 5271, Fax.: +41 62 398 5274
 info@chemsupply.ch
 www.chromatographyshop.com

See page 5 for details



Steroids (Veterinary) by LC-MS/MS

Application #AN1830

Conditions

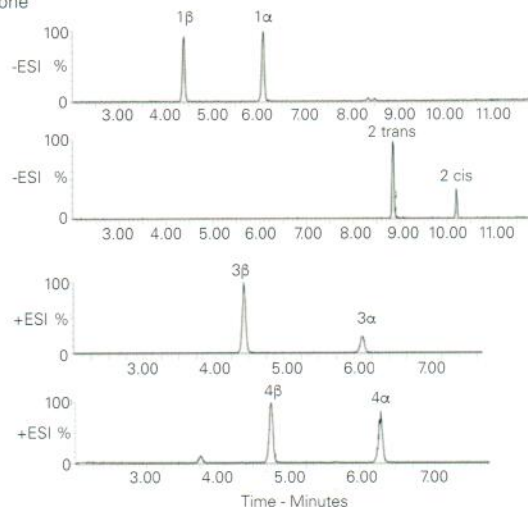
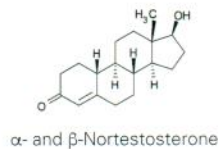
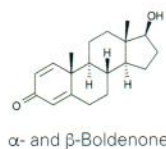
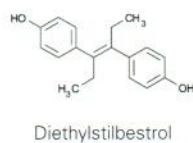
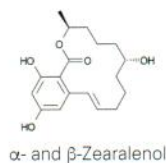
Column: ACE UltraCore 2.5 SuperC18
Dimensions: 100 x 2.1 mm
Part Number: CORE-25A-1002U
Mobile Phase: A: 0.01 mM ammonium fluoride + 0.001% formic acid
 B: MeCN
Gradient:

Time (mins)	%B
0.0	25
0.5	25
7.0	35
7.5	35
10.5	60
12.5	90

Flow Rate: 0.5 mL/min
Temperature: 45 °C
Detection: Positive or negative ESI
 MRM data

Analytes

1. α - and β -Zearalenol
(*m/z* 319.17 \rightarrow 275.12)
2. Diethylstilbestrol-d8
(*m/z* 275.23 \rightarrow 245.09)
Also analysed in -ESI:
Talaranol and zeranol-d4
Talaranol and zeranol
Zearalenone
Hexestrol
Diethylstilbestrol
Dienestrol
3. α - and β -Boldenone
(*m/z* 287.17 \rightarrow 121.12)
4. α - and β -Nortestosterone
(*m/z* 275.23 \rightarrow 109.09)
Also analysed in +ESI:
Hydroxystanozolol
Hydroxystanozolol-d3
Methyltestosterone
Methyltestosterone-d3
 β -Nortestosterone-d3
 β -Trenbolone
 α -Trenbolone



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