

Appetite Suppressants by LC-MS

Application #AN1960

Conditions

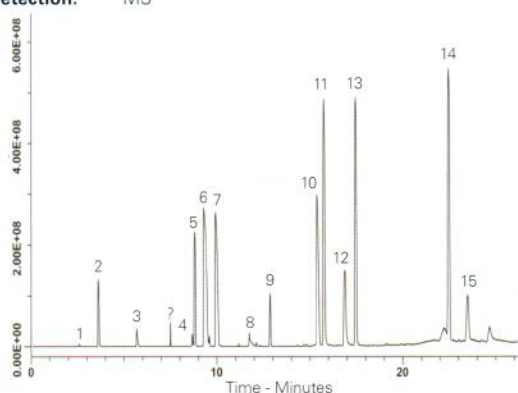
Column: ACE Excel 2 SuperC18
Dimensions: 100 x 2.1 mm
Part Number: EXL-1011-1002U
Mobile Phase: A: 10 mM ammonium acetate
 pH 9.35 with ammonium hydroxide
 B: 10 mM ammonium acetate
 pH 9.35/MeCN (10:90 v/v)
Gradient:

Time (mins)	%B
0.0	11.11
1.0	11.11
21.0	100.00
23.0	100.00

Flow Rate: 0.5 mL/min
Injection: 2 µL
Temperature: 25 °C
Detection: MS

Analytes

1. Caffeine
2. Ephedrine
3. Phentermine
4. Phenolphthalein
5. Chlordiazepoxide
6. Lorcaserin
7. Fenfluramine
8. Fluoxetine
9. Diethylpropion
10. Sertraline
11. Didemethylsibutramine
12. Rimonabant
13. N-Desmethylsibutramine
14. Sibutramine
15. Orlistat



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Aromatic Nitrobenzenes

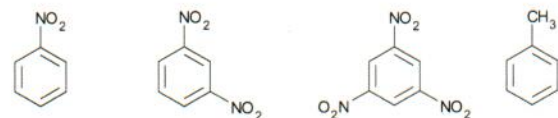
Application #AN2480

Conditions

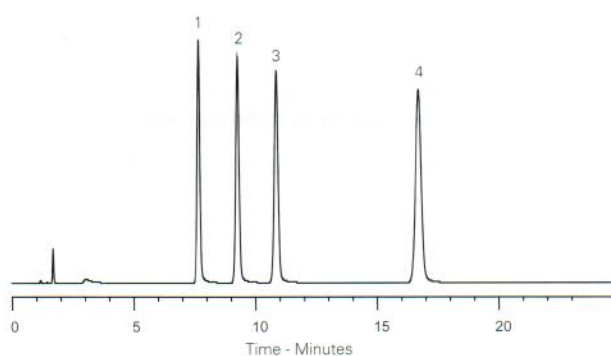
Column: ACE 3 C18-AR
Dimensions: 150 x 4.6 mm
Part Number: ACE-119-1546
Mobile Phase: H₂O/MeOH (50:50 v/v)
Flow Rate: 1 mL/min
Temperature: 40 °C
Detection: UV, 210 nm

Analytes

1. Nitrobenzene
2. 1,3-Dinitrobenzene
3. 1,3,5-Trinitrobenzene
4. Toluene



Nitrobenzene 1,3-Dinitrobenzene 1,3,5-Trinitrobenzene Toluene



Antiretrovirals in Human Mononuclear Cell Extracts by LC-MS/MS

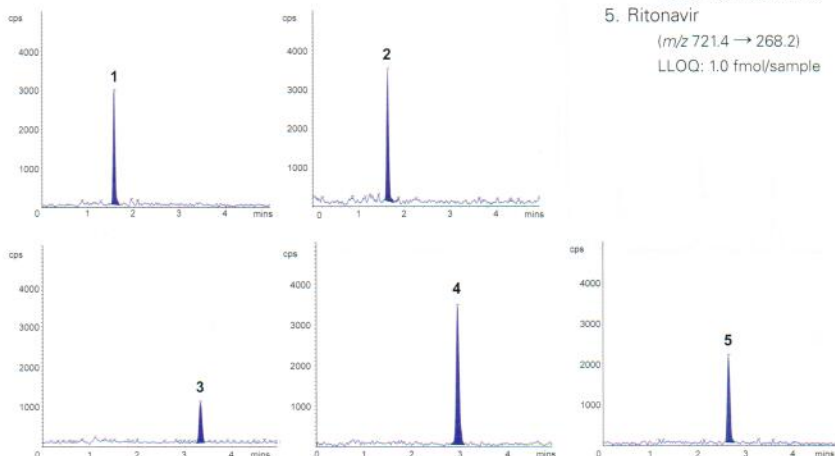
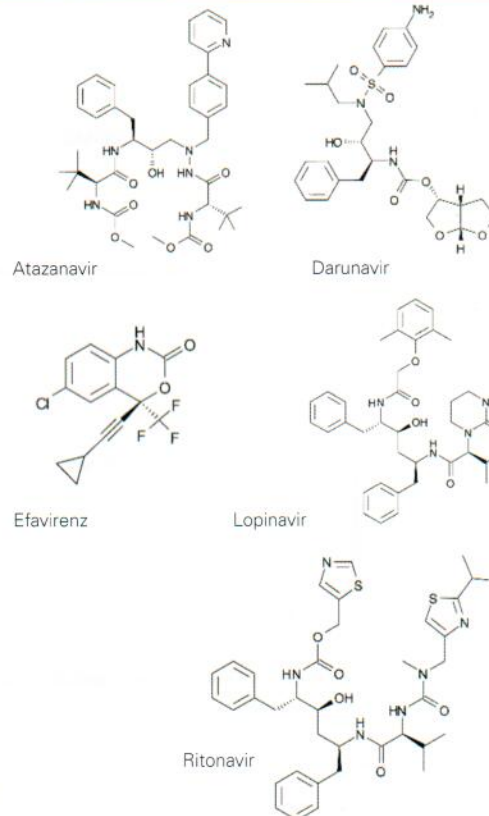
Application #AN3470

Conditions

Column: ACE 3 C18
Dimensions: 100 x 3.0 mm
Part Number: ACE-111-1003
Mobile Phase: MeCN/H₂O/formic acid (60:40:0.1 v/v/v)
Flow Rate: 0.5 mL/min
Injection: 40 µL
Temperature: 40 °C
Detection: SCIEX API 6500 triple quad MS
 Positive ion mode ESI (negative mode for efavirenz)
 Ion spray voltage: +5500 V (-4500 V for efavirenz)
 Temperature: 450 °C (650 °C for efavirenz)

Analytes

1. Atazanavir
(m/z 705.4 → 168.2)
 LLOQ: 0.04 fmol/sample
2. Darunavir
(m/z 548.3 → 392.3)
 LLOQ: 1.0 fmol/sample
3. Efavirenz
(m/z 313.9 → 244.0)
 LLOQ: 4.0 fmol/sample
4. Lopinavir
(m/z 629.4 → 447.3)
 LLOQ: 1.0 fmol/sample
5. Ritonavir
(m/z 721.4 → 268.2)
 LLOQ: 1.0 fmol/sample



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