Ginkgo Biloba – Ultra Resolution

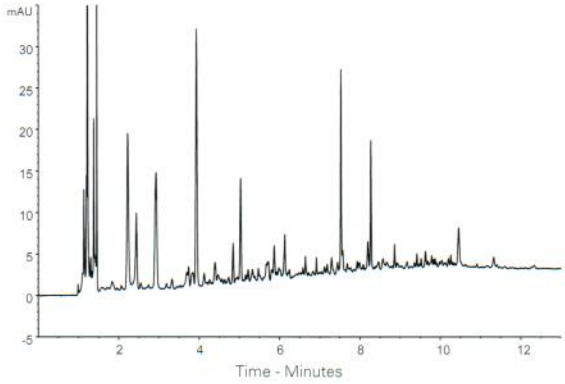
Application #AN2270

Conditions

Column: ACE Excel 1.7 C18-PFP
Dimensions: 2 x 100 x 3.0 mm (coupled)
Part Number: 2 x EXL-1710-1003U
Mobile Phase: A: 0.1% formic acid in H_2O
B: 0.1% formic acid in MeCN
Gradient:

Time (mins)	%B
0.00	5
0.72	5
15.72	50
18.72	100
20.72	100
22.72	5

Flow Rate: 0.8 mL/min
Injection: 2 µL
Temperature: 80 °C
Detection: UV, 254 nm
Sample: Extract of *Gingko Biloba*



Available from

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Ginkgo Biloba - Used in traditional medicine and as a source of food

Ginsenosides from Chinese Medicine by UHPLC-MS/MS

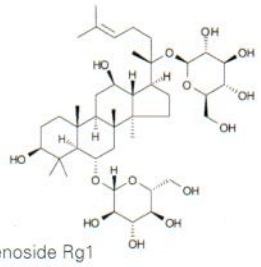
Application #AN3540

Conditions

Column: ACE UltraCore 2.5 SuperC18
Dimensions: 150 x 3.0 mm
Part Number: CORE-25A-1503U
Mobile Phase: A: 0.1% formic acid in H_2O
B: 0.1% formic acid in MeCN
Gradient:

Time (mins)	%B
0	25
13	60
15	95
17	95

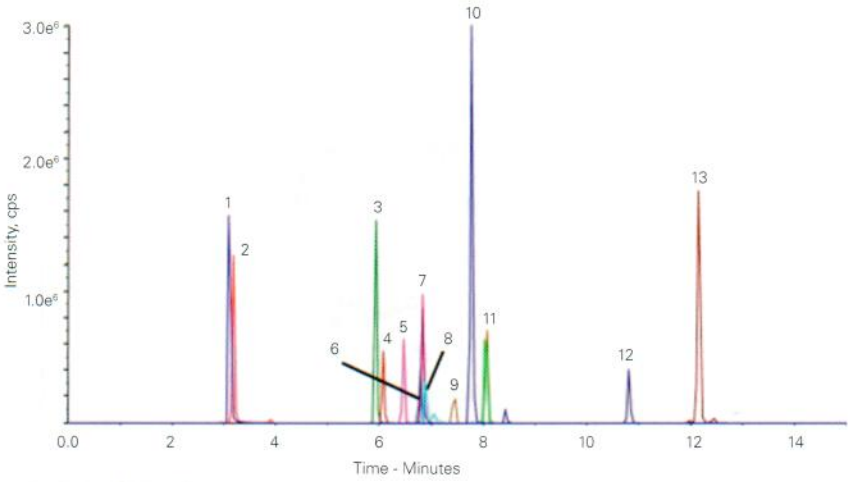
Flow Rate: 0.4 mL/min
Injection: 2 µL
Temperature: 45 °C
Detection: AB SCIEX 5500 Qtrap MS
ESI in negative ion mode
Source temperature: 450 °C
Sprayer voltage: -4500 V
Stepwise MRM mode for
$[M + HCOO]^-$ > $[M - H]^-$ ion transitions
Mass range 501 – 1250 u (step size 2 u)



Ginsenoside Rg1

Analytes

1. Ginsenoside Re (*m/z* 991 → 945)
2. Ginsenoside Rg1 (*m/z* 845 → 799)
3. Ginsenoside Rf (*m/z* 845 → 799)
4. Ginsenoside Rb1 (*m/z* 1153 → 1107)
5. Ginsenoside Rc (*m/z* 1123 → 1077)
6. Ginsenoside Ro (*m/z* 1001 → 955)
7. Ginsenoside Rb2 (*m/z* 1123 → 1077)
8. Ginsenoside Rg2 (*m/z* 829 → 783)
9. Ginsenoside Rh1 (*m/z* 683 → 637)
10. Ginsenoside Rd (*m/z* 991 → 945)
11. Ginsenoside F1 (*m/z* 683 → 637)
12. Ginsenoside F2 (*m/z* 829 → 783)
13. Ginsenoside Rg3 (*m/z* 829 → 783)



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