Ginsenosides from Chinese Medicine by UHPLC-MS/MS

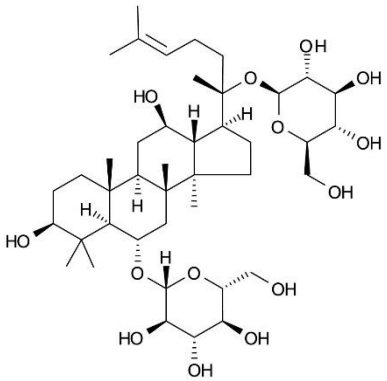
ACE® Ultra-inert UHPLC & HPLC Columns

Application #AN3540

Conditions

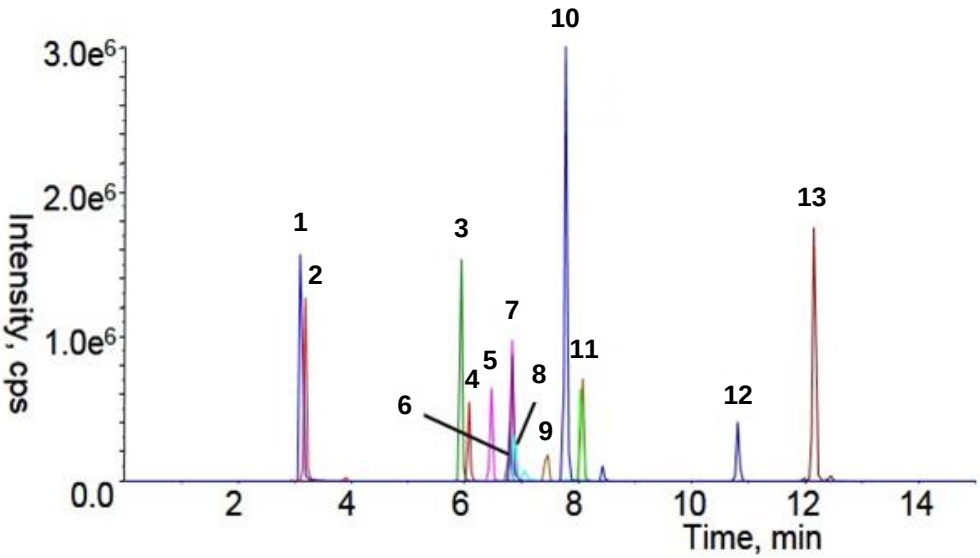
Column:	ACE UltraCore 2.5 SuperC18
Dimensions:	150 x 3.0 mm
Part Number:	CORE-25A-1503U
Mobile Phase:	A: 0.1% formic acid in H_2O
	B: 0.1% formic acid in MeCN

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



Ginsenoside Rg1

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)



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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