

UHPLC Separation of Ginseng extract using coupled solid-core columns for increased peak capacity

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Conditions

Column: ACE UltraCore 2.5 SuperC18 Part Number: CORE-25A-1003U
Dimensions: 100 x 3.0 mm; 2 x 100 x 3.0 mm (coupled); 3 x 100 x 3.0 mm (coupled)
Mobile Phase: A: 0.1% formic acid in H₂O
B: 0.1% formic acid in MeCN

	Time (mins)			
	100 x 3.0 mm	200 x 3.0 mm	300 x 3.0 mm	%B
-		0.00	0.00	5
0.00		0.36	0.71	5
10.00		20.36	30.71	70
11.00		22.36	33.71	95
13.00		26.36	39.71	95
14.00		28.36	42.71	5
22.00		44.36	66.71	5

Flow Rate: 0.8 mL/min
Injection: 2 µL (100 x 3.0 mm); 4 µL (200 x 3.0 mm); 6 µL (300 x 3.0 mm)
Temperature: 80 °C
Detection: UV, 203 nm
Sample: 5 x 75 mg tablets ground to fine powder and extracted with 10.0 mL MeCN/H₂O (1:1 v/v) for 15 minutes with ultrasonication. 100 µL supernatant diluted with 300 µL water and filtered using a Whatman Mini-Uniprep syringeless filter

System: Chromaster Ultra Rs Part Number 903-0400



ChromasterUltraRs

