

Method Translation and Acceleration of Pharmaceutically Relevant Compounds

Application #AN4760

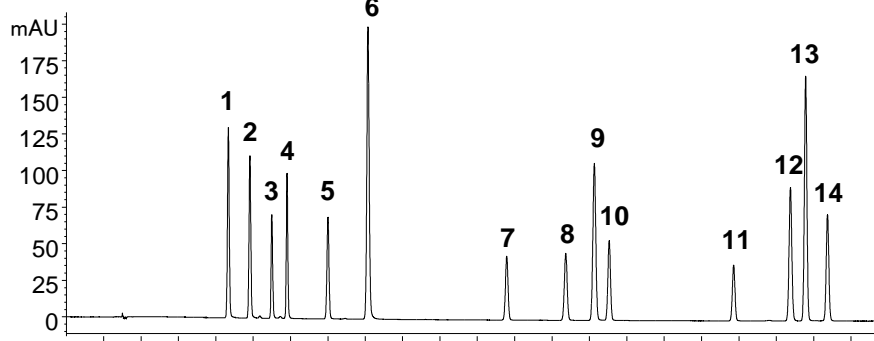
Conditions

Column: (I) ACE Excel 5 C18-Amide; (II) ACE Excel 3 C18-Amide
 Dimensions: (I) 250 x 4.6 mm; (II) 150 x 4.6 mm
 Part Number: (I) EXL-1212-2546U; (II) EXL-1112-1546U
 Mobile Phase: A: 20 mM KH₂PO₄ pH 2.7 in H₂O
 B: 20 mM KH₂PO₄ pH 2.7 in MeCN/H₂O (65:35 v/v)

Time (mins)	Time (mins)	%B
-	0.00	5
0	0.05	5
45	15.92	100
50	17.68	100
52	18.39	5
82	29.00	5

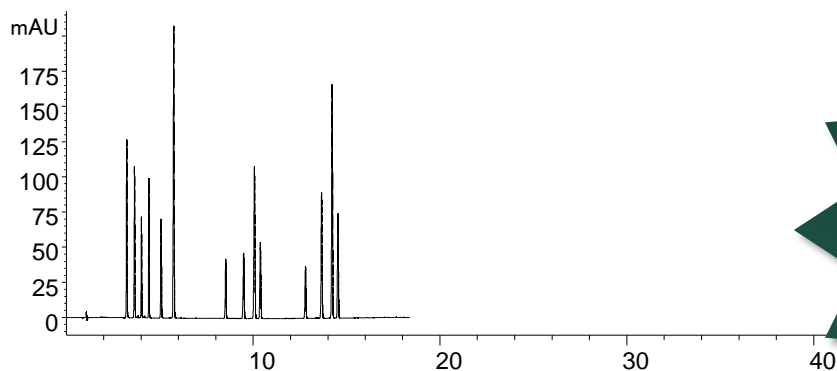
Flow Rate: (I) 1 mL/min; (II) 1.67 mL/min
 Injection: (I) 10 µL; (II) 5.9 µL
 Temperature: 40 °C
 Detection: UV, 254 nm

(I) ACE 5 C18-Amide 250 x 4.6 mm



1. Metronidazole
2. 4-Acetamidophenol
3. Amiloride
4. Caffeine
5. Hydrochlorothiazide
6. 4-Hydroxybenzoic acid
7. Acetophenone
8. 2-Nitrophenol
9. Nitrobenzene
10. 1,2-Dinitrobenzene
11. Ethylbenzoate
12. 3,4-Dichlorobenzoic acid
13. Benzophenone
14. Butyl paraben

(II) ACE Excel 3 C18-Amide 150 x 4.6 mm



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ACE Translation
Tool free at
www.ace-hplc.com

	R _s Peaks 9,10	Peak Capacity (P _c)
250 x 4.6 mm	2.9	337
150 x 4.6 mm	3.3	332