Method Translation and Acceleration of Pharmaceutically Relevant Compounds

ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #**AN4760**

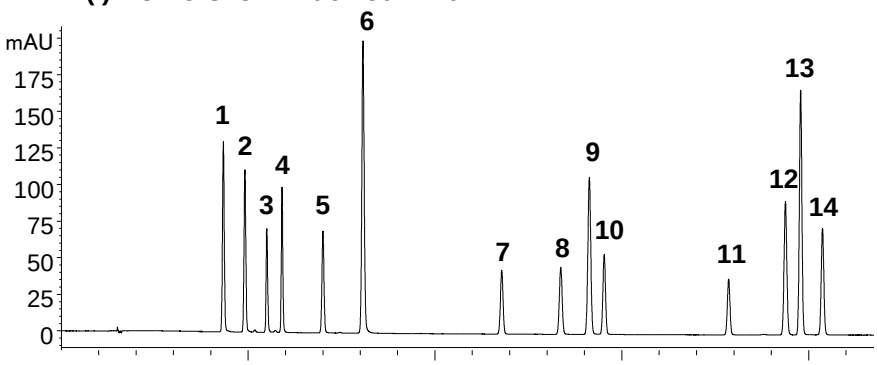
Conditions

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 KH_2PO_4 pH 2.7 in H_2O
	B: 20 mM KH_2PO_4 pH 2.7 in MeCN/H_2O (65:35 v/v)

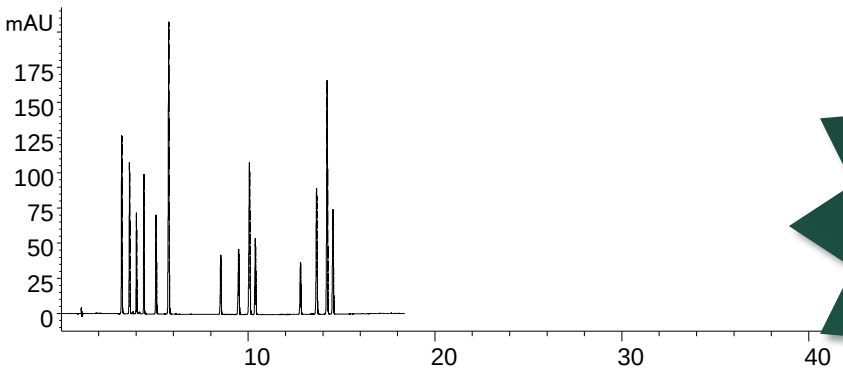
250 x 4.6 mm Time (mins)	150 x 4.6 mm Time (mins)	%B
-	0.00	5
0	0.05	5
45	15.92	100
50	17.68	100
52	18.39	5
82	29.00	5

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



(II) ACE Excel 3 C18-Amide 150 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

Download the 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**

© 2016 ACT Ltd. All rights reserved. All products are available worldwide.