Andrographis Paniculata Fingerprint Profile by RRLC-TOF-MS

ACE® Ultra-inert UHPLC & HPLC Columns

Application #AN3770

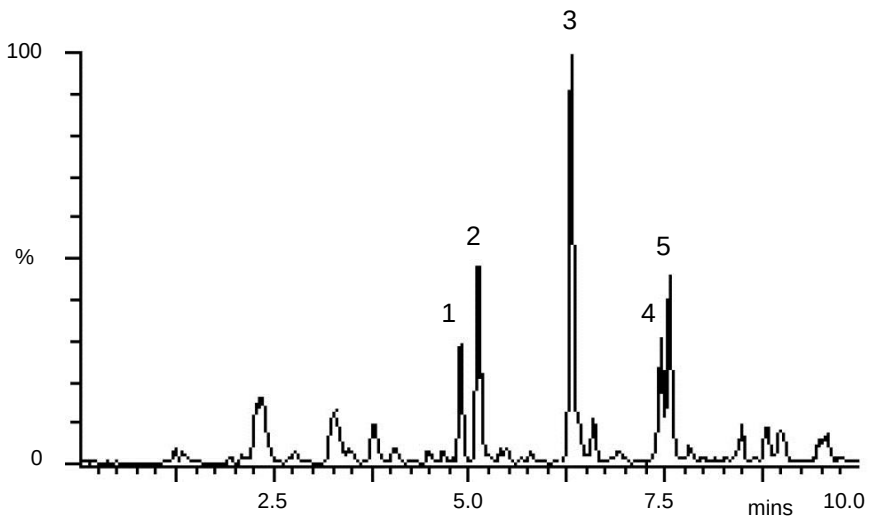
Conditions

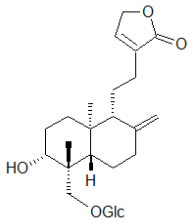
Column:	ACE Excel 3 SuperC18
Dimensions:	100 x 2.1 mm
Part Number:	EXL-1111-1002U
Mobile Phase:	A: 0.1% formic acid in H_2O
	B: 0.1% formic acid in MeCN

Time (mins)	%B
0.0	30
2.0	40
8.0	75
9.0	100
9.5	30
15.5	30

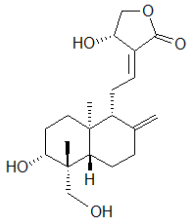
Flow Rate:	0.2 mL/min
Injection:	2 µL
Temperature:	35 °C
Detection:	Waters Premier Q-TOF-MS
	ESI in positive ion mode
	Scan Range *m/z* 100-1000 Da

Andrographis paniculata is used in Chinese medicine

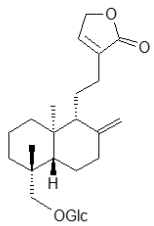




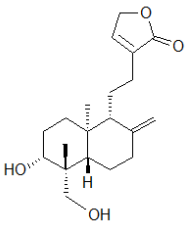
1. 14-Deoxyandrographiside
(*Tentative assignment)



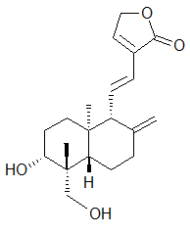
2. Andrographolide



3. Neoandrographolide



4. 14-Deoxyandrographolide
(*Tentative assignment)



5. Dehydroandrographolide

Song Y-X, Liu S-P, Jin Z, Qin J-F, Jiang Z-Y (2013) Qualitative and quantitative analysis of *Andrographis paniculata* by rapid resolution liquid chromatography/time-of-flight mass spectrometry. Molecules 189, 12192-12207
doi:10.3390/molecules181012192

© 2015 ACT Ltd. All rights reserved. All products are available worldwide.