Metabolomics – C6 & C7 Hydroxy and Dicarboxylic Acids

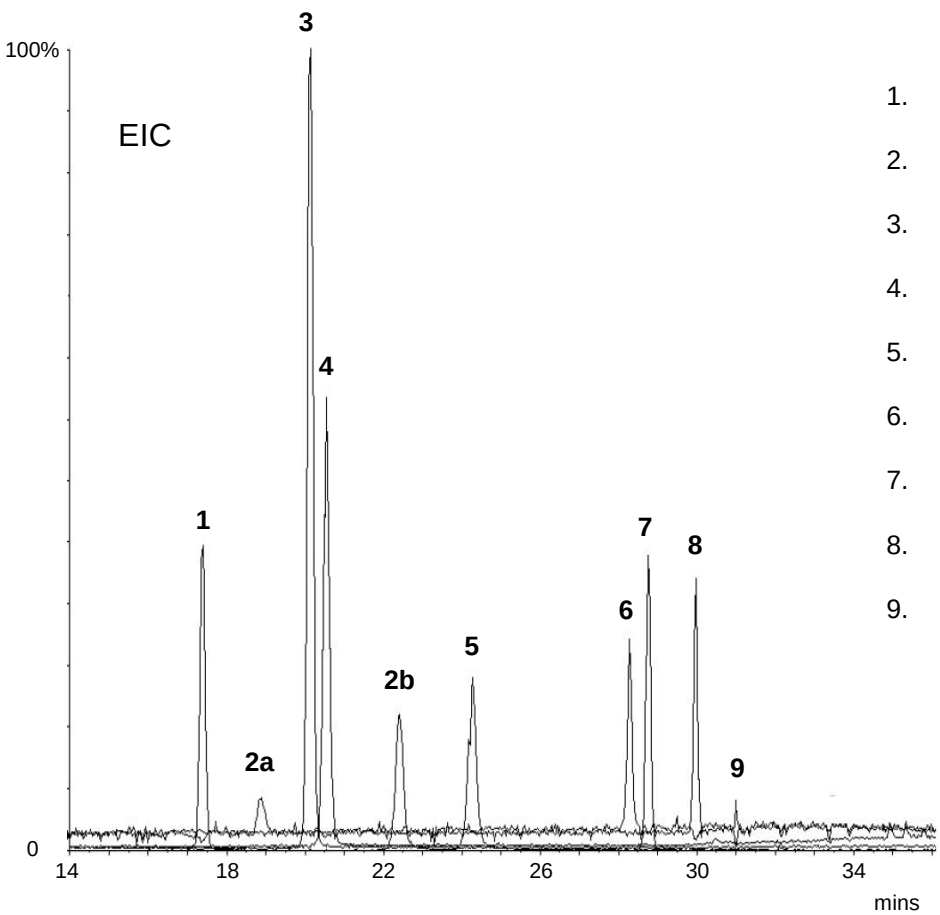
ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #AN4100

Conditions

Column:	ACE 3 C18-PFP
Dimensions:	150 x 2.1 mm
Part Number:	ACE-1110-1502
Mobile Phase:	A: 0.1% formic acid in H_2O B: 0.1% formic acid in MeCN
Detection:	Sciex API 4000 triple quad MS ESI in negative ion mode
Sample:	Urine/plasma samples filtered and extracted with ice-cold methanol, evaporated to dryness and reconstituted in 0.1% formic acid in water.

Please contact info@ace-hplc.com for additional information on the chromatographic conditions used for this analysis.



1. 5-Hydroxyhexanoic acid (*m/z* 131 → 85)
2. 2-Hydroxy-3-methylvaleric acid (*m/z* 131 → 73)
3. 3-Methylglutaric acid (*m/z* 145 → 101)
4. Adipic acid (*m/z* 145 → 83)
5. 2-Hydroxyisocaproic acid (*m/z* 131 → 85)
6. 3-Methyladipic acid (*m/z* 159 → 115)
7. Pimelic acid (*m/z* 159 → 97)
8. 4-Hydroxyphenylacetic acid (*m/z* 151 → 107)
9. 2-Hydroxyphenylacetic acid (*m/z* 151 → 107)

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