

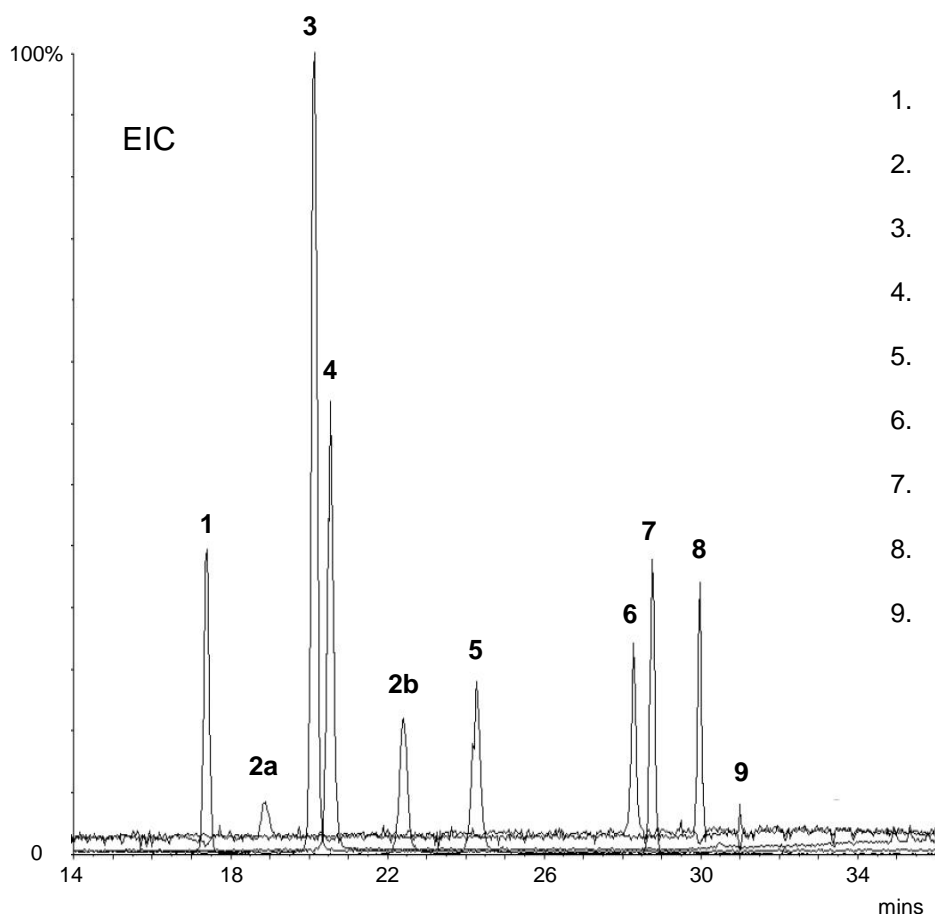
# Metabolomics – C6 & C7 Hydroxy and Dicarboxylic Acids

## 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 <sub>2</sub> O 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](mailto:info@ace-hplc.com) for additional information on the chromatographic conditions used for this analysis.



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

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