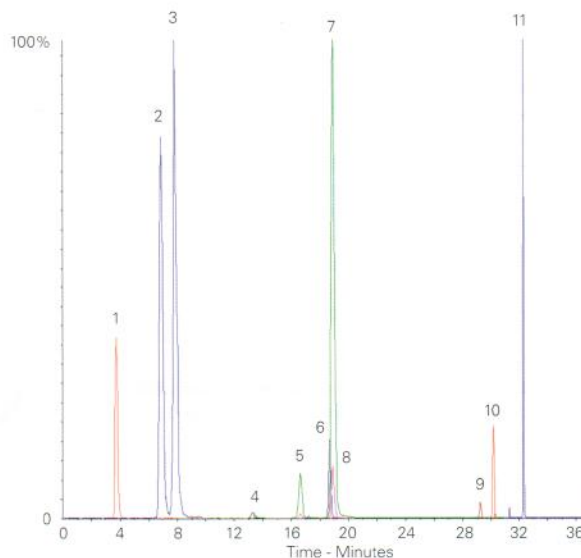
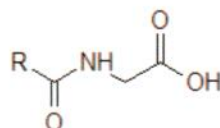


Conditions

Column: ACE 3 C18-PFP
Dimensions: 150 x 2.1 mm
Part Number: ACE-1110-1502
Mobile Phase: A: 0.1% formic acid in H₂O
 B: 0.1% formic acid in MeCN
Detection: Sciex API 4000 triple quad MS
 ESI in negative ion mode
Sample: Urine / plasma sample is filtered and extracted with ice-cold methanol, evaporated to dryness and reconstituted in 0.1% formic acid in water

Analytes

- | | | |
|---|--|---|
| 1. Propionylglycine
(<i>m/z</i> 130 → 74) | 5. Isovalerylglycine
(<i>m/z</i> 158 → 74) | 9. Suberylglycine
(<i>m/z</i> 230 → 74) |
| 2. Isobutyrylglycine
(<i>m/z</i> 144 → 74) | 6. Tiglylglycine
(<i>m/z</i> 156 → 112) | 10. Hexanoylglycine
(<i>m/z</i> 172 → 74) |
| 3. Butyrylglycine
(<i>m/z</i> 144 → 74) | 7. Valerylglycine
(<i>m/z</i> 158 → 74) | 11. Trans-Cinnamoylglycine
(<i>m/z</i> 204 → 160) |
| 4. 2-Methylbutyrylglycine
(<i>m/z</i> 158 → 74) | 8. 3-Methylcrotonylglycine
(<i>m/z</i> 156 → 74) | |



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

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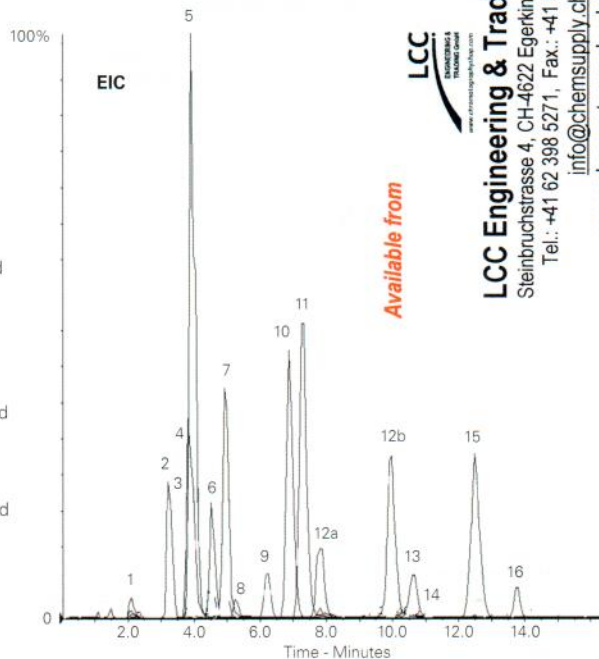
Metabolomics – C4 & C5 Hydroxy and Dicarboxylic Acids

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 H₂O
 B: 0.1% formic acid in MeCN
Detection: Sciex API 4000 triple quad MS
 ESI in negative ion mode
Sample: Urine / plasma sample is filtered and extracted with ice-cold methanol, evaporated to dryness and reconstituted in 0.1% formic acid in water

Analytes

1. Isocitric acid (*m/z* 191 → 111)
2. 2-Hydroxyglutaric acid (*m/z* 147 → 129)
3. 3-Hydroxyglutaric acid (*m/z* 147 → 85)
4. Maleic acid (*m/z* 115 → 71)
5. Citric acid (*m/z* 191 → 111)
6. Fumaric acid (*m/z* 115 → 71)
7. Succinic acid (*m/z* 117 → 73)
8. Methylmalonic acid (*m/z* 117 → 55)
9. 3-Hydroxy-3-methylglutaric acid (*m/z* 161 → 99)
10. 2-Hydroxyadipic acid (*m/z* 161 → 143)
11. 3-Hydroxyisovaleric acid (*m/z* 117 → 59)
12. 3-Hydroxy-2-methylbutyric acid (*m/z* 117 → 73)
13. Glutaric acid (*m/z* 131 → 87)
14. 2-Ethyl-3-hydroxypropionic acid (*m/z* 117 → 87)
15. Ethylmalonic acid (*m/z* 131 → 87)
16. Methylsuccinic acid (*m/z* 131 → 87)



Available from

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

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