Metabolomics – C4 Hydroxy Acids

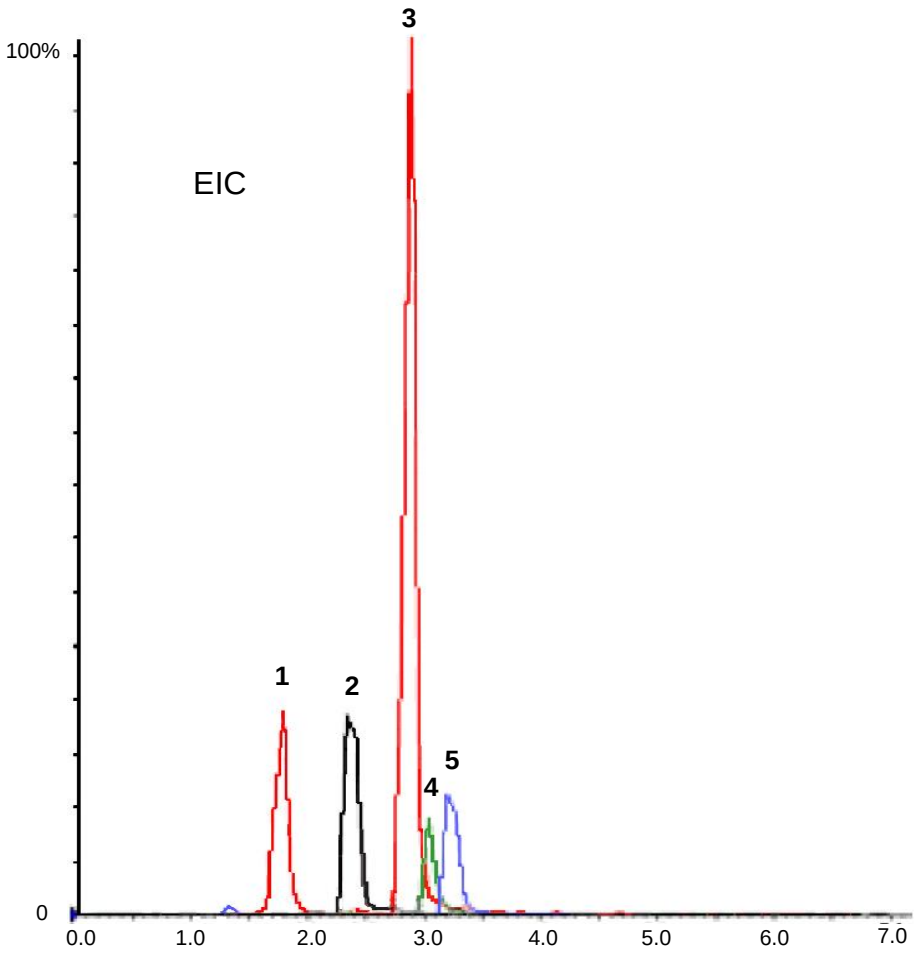
ACE®
Ultra-inert
UHPLC & HPLC Columns

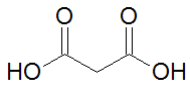
Application #AN4120

Conditions

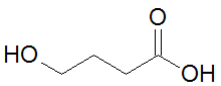
Column:	ACE 3 C18-PFP
Dimensions:	150 x 2.1 mm
Part Number:	ACE-1110-1502
Mobile Phase:	A: 0.1% formic acid in H_2O B: 0.1% formic acid in MeCN
Detection:	Sciex API 4000 triple quad MS ESI in negative ion mode
Sample:	Urine / plasma sample is filtered and extracted with ice-cold methanol, evaporated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

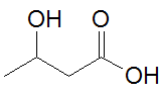




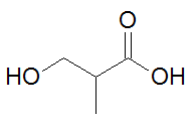
1. Malonic acid (*m/z* 103 → 59)



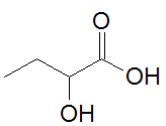
2. 4-Hydroxybutyric acid (*m/z* 103 → 57)



3. 3-Hydroxybutyric acid (*m/z* 103 → 59)



4. 3-Hydroxyisobutyric acid (*m/z* 103 → 73)



5. 2-Hydroxybutyric acid (*m/z* 103 → 57)

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