Metabolomic Biomarkers in Ethylmalonic Encephalopathy

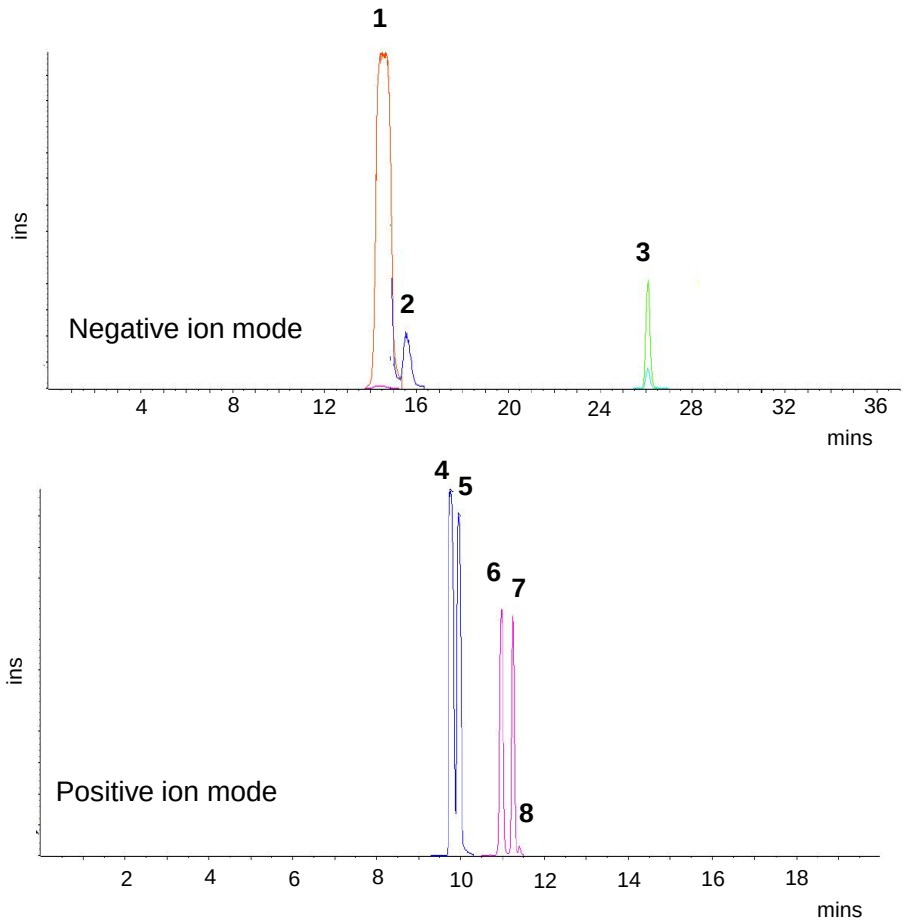
ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #AN4130

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 sample from patient with ethylmalonic encephalopathy 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. Ethylmalonic acid (*m/z* 131 → 87)
2. Methylsuccinic acid (*m/z* 131 → 87)
3. Adipic acid (*m/z* 145 → 83)
4. Isobutyrylcarnitine (*m/z* 232 → 85)
5. Butyrylcarnitine (*m/z* 232 → 85)
6. 2-Methylbutyrylcarnitine (*m/z* 246 → 85)
7. Isovalerylcarnitine (*m/z* 246 → 85)
8. Valerylcarnitine (*m/z* 246 → 85)

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