

Supplementary data on method for analysis of Hexanoylcarnitine (C6)

Method based on article

Middtun et al (2013), PMID 23232958.

Material

Hexanoylcarnitine (purity > 97%) was obtained from Sigma-Aldrich, St. Louis, USA. Hexanoylcarnitine-d3 (99.9%) was obtained from C/D/N Isotopes, Quebec, Canada.

Instrumentation

Same as in PMID 23232958.

Chromatography and detection

LC-MS/MS; positive-ion multiple reaction monitoring (MRM);
retention time = 4.8 min.

C6 precursor ion = 259.3 m/z; product ion = 200.6 m/z. C6-d3
precursor ion = 262.3 m/z; product ion = 84.7 m/z.

Method performance

LOD (S/N >5): 0.01 $\mu\text{mol/L}$.

Within-day CV: %.

Between-day CV: %.