

Supplementary data on method for analysis of
Indole-3-propionate (IPA)

Method based on article: Midttun et al (2009), PMID 19337982.

Material:

3-Indolepropionic acid (purity >99%) was obtained from Sigma-Aldrich, Kappelweg 1, D-91625 Schnelldorf, Germany.

3-Indolepropionic-d₂-acid from J.H. Ritmeester B.V.,
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Instrumentation: Same as in PMID 19337982

Chromatography and detection:

LC-MS/MS; positive-ion multiple reaction monitoring (MRM);
retention time = 5.1 min.

IPA precursor ion = 190.2 m/z; product ion = 130.2 m/z;

IPA-d₂ precursor ion = 192.2 m/z; product ion = 130.2 m/z.

Method performance:

Linear range: 0.04 – 50 µmol/L.

Linearity, r²: 0.99

LOD (S/N >5): 0.04 µmol/L.

Within-day CV: 4 – 5 %

Between day CV: 4 – 6 %