

Supplementary data on method for analysis of
Indole-3-lactic acid(ILA)

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

Material: DL-Indole-3-lactic acid (purity >99%) was obtained
from Sigma-Aldrich, St.Louis, MO 63178 USA.

DL-Indole-3-lactic acid –d5 from Toronto Research chemicals,
20 Martin Ross Ave, North York, ON M3J 2K8, Canada

Instrumentation: Same as in PMID 19337982

Chromatography and detection:

LC-MS/MS; positive-ion multiple reaction monitoring(MRM);
retention time = 4.7 min.

ILA precursor ion = 206.2 m/z; product ion = 188.2 m/z;

ILA-d5 precursor ion = 211.2 m/z; product ion = 192.2 m/z.

Method performance:

Linear range: 0.025 – 25 µmol/L.

Linearity, r²: 0.99

LOD (S/N >5): 0.025 µmol/L.

Within-day CV: 4 –5 %

Between day CV: 4 – 6 %