

## Electronic Supplementary Information

### Microwave Assisted Extraction of betulin from birch outer bark

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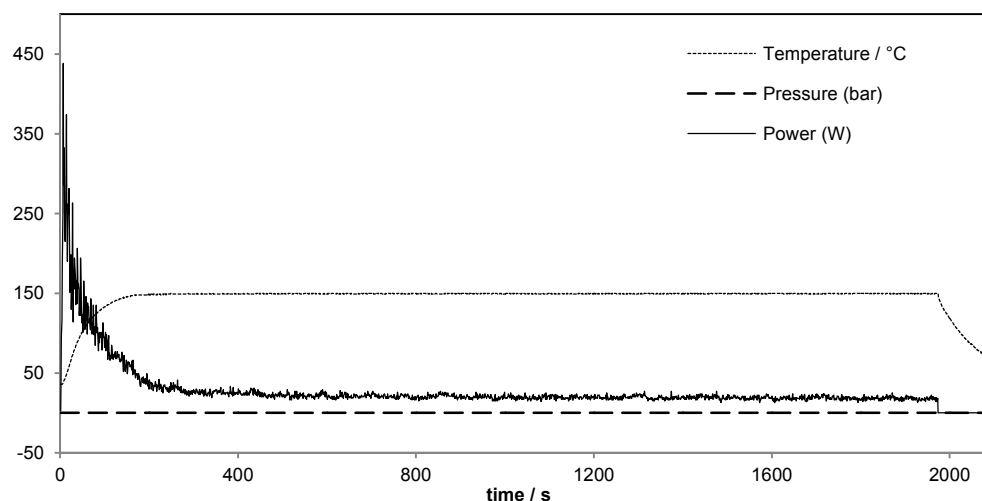
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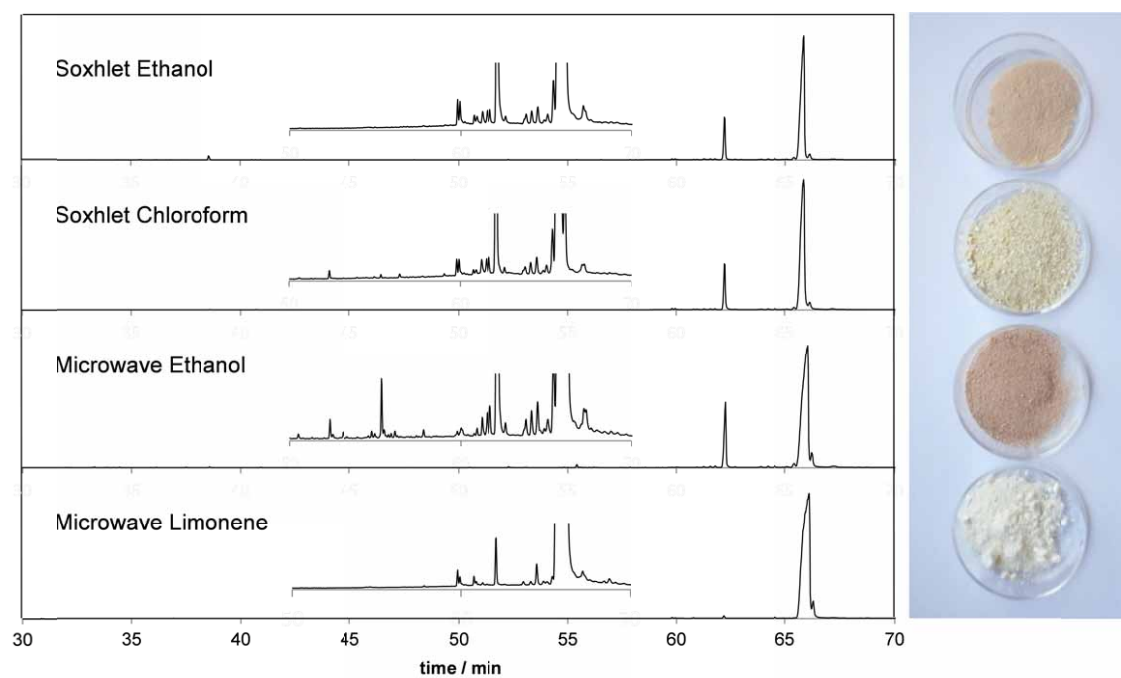
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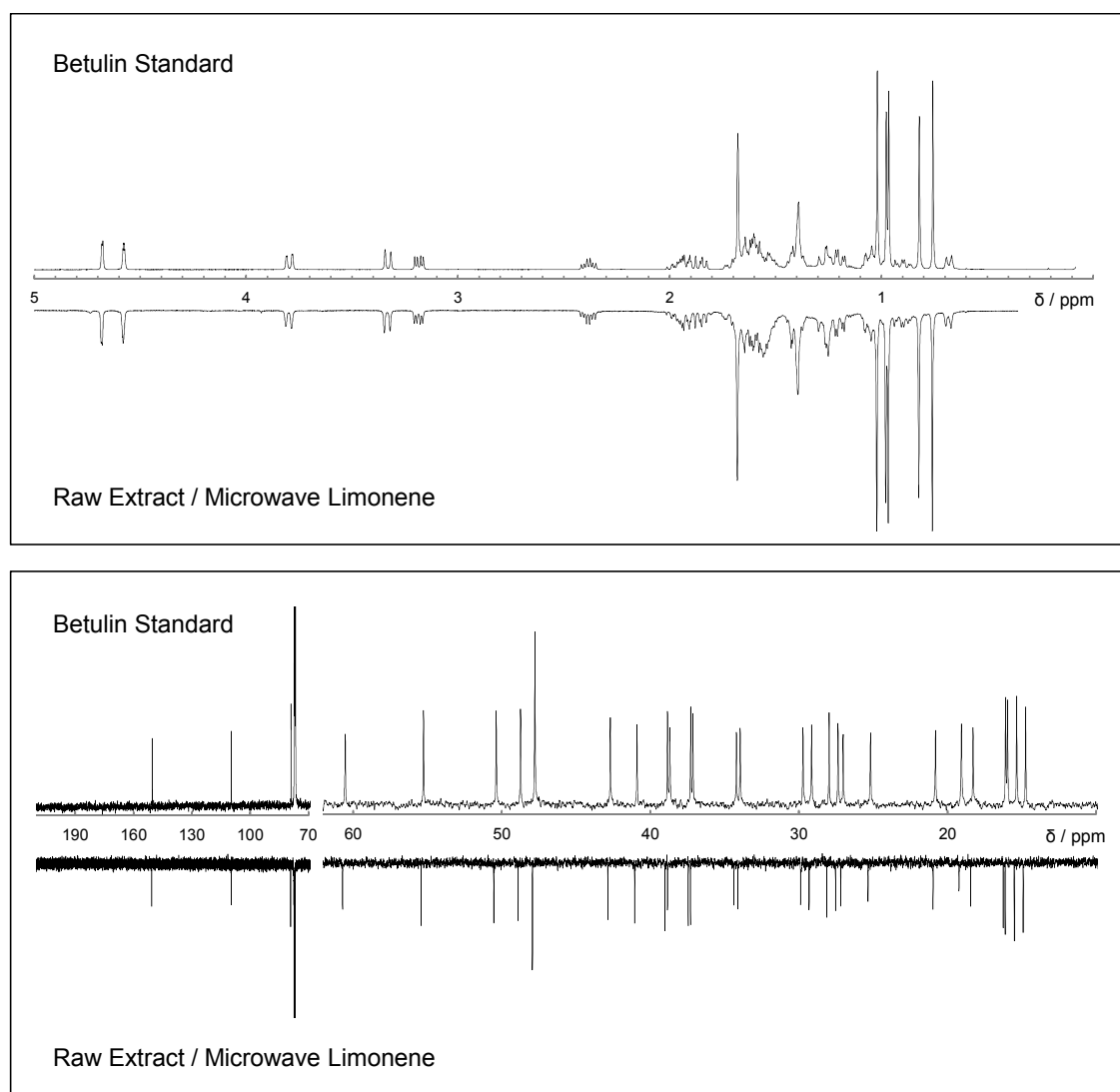
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**Fig. ESI1** - Temperature, pressure and power profiles of a microwave assisted extraction with limonene.



**Fig. ESI2-** GC-MS chromatograms of the betulin extracts. The amplification shows in more detail the chromatograms between 50 and 70 min. Intensities were normalized in relation to the internal standard peak (n-hexadecane, retention time = 27.4 min).



**Fig. ESI3** -  $^1\text{H}$ - (top) and  $^{13}\text{C}$ -NMR (bottom) spectra of betulin standard compared to those of betulin raw extracts obtained with limonene through microwave assisted extraction.