

Supplementary materials

GC-MS Profiling of Volatile Components in Different Fermentation Products of *Cordyceps Sinensis* Mycelia

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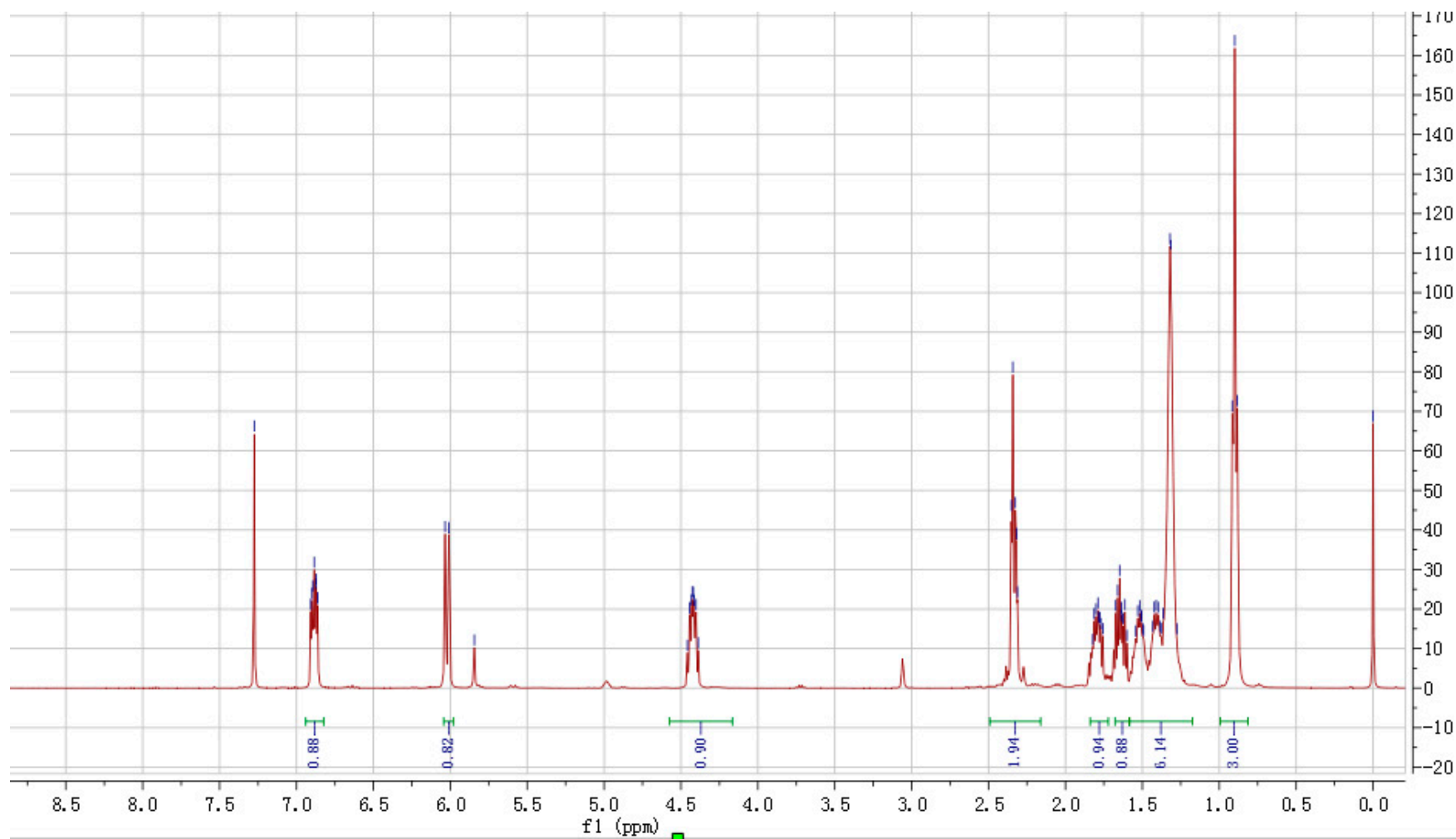
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Figure S1. ¹H-NMR spectrum of massoia lactone (No. 48 in Table 2).

Figure S2. ¹³C-NMR spectrum of massoia lactone (No. 48 in Table 2).

Characterization data of massoia lactone:

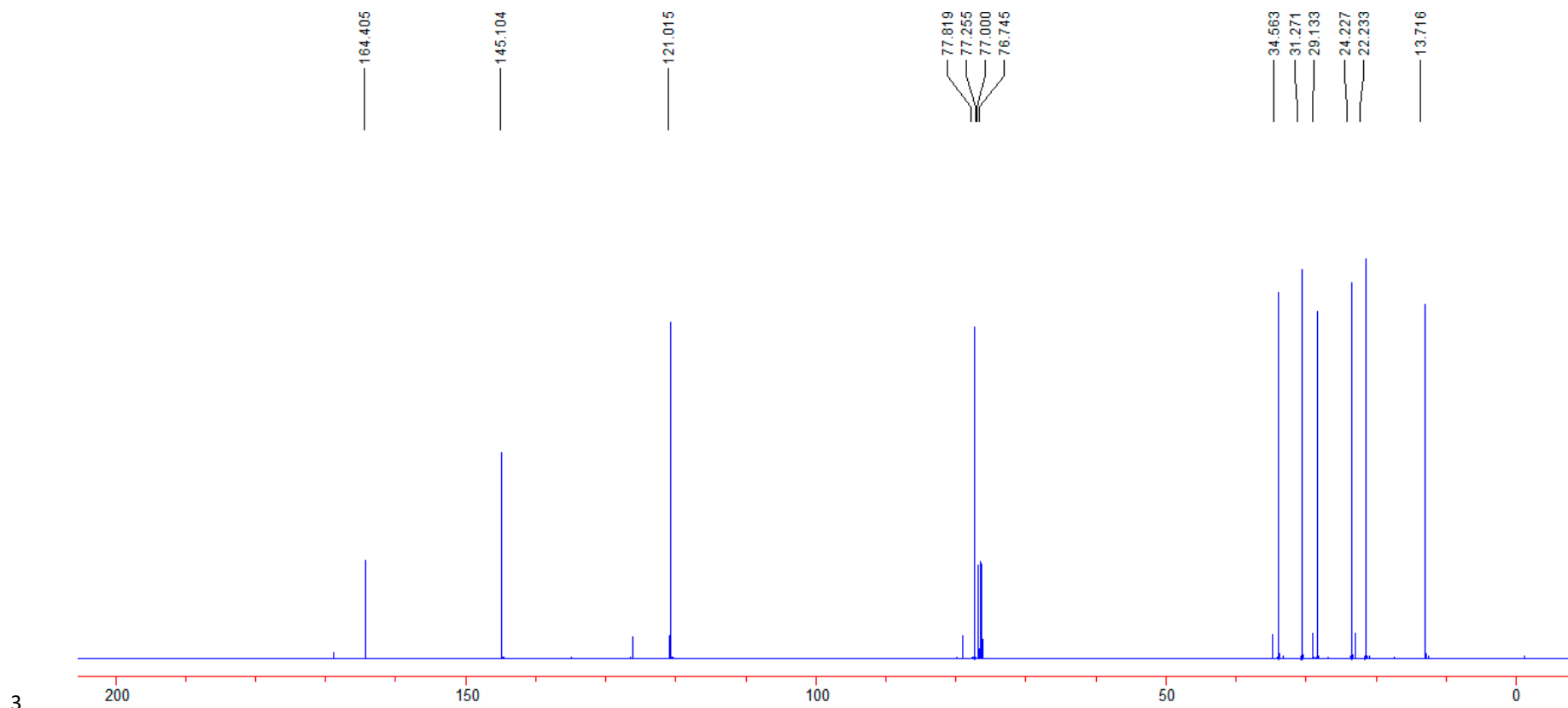
Colorless oil (compound purity > 95%); ¹H NMR (400 MHz) δ 6.96-6.72 (m, 1H, CH=CHCH₂), 6.02 (d, J = 9.9 Hz, 1H, CH=CHCH₂), 4.53-4.20 (m, 1H, CH), 2.41-2.23 (m, 2H, CH=CHCH₂), 1.88-1.33 (m, 8H, 4CH₂), 0.90 (t, J = 6.7 Hz, 3H, CH₃); ¹³C NMR (100 MHz) δ 164.41 (C=O), 145.10 (CH=CH), 121.02 (CH=CH), 77.82 (CH₂CHO), 34.56 (CH=CHCH₂), 31.27 (CH₂), 29.13 (CH₂), 24.23 (CH₂), 22.23 (CH₂), 13.72 (CH₂).



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Figure S1. ¹H-NMR spectrum of massoia lactone (No. 48 in Table 2).



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Figure S2. ^{13}C -NMR spectrum of massoia lactone (No. 48 in Table 2).