J. Braz. Chem. Soc., Vol. 24, No. 1, 1, 2013.
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0103 - 5053 $6.00+0.00

Supplementary Information

Chemical Characterization of Essential Oils from *Drimys angustifolia* Miers (Winteraceae) and Antibacterial Activity of their Major Compounds

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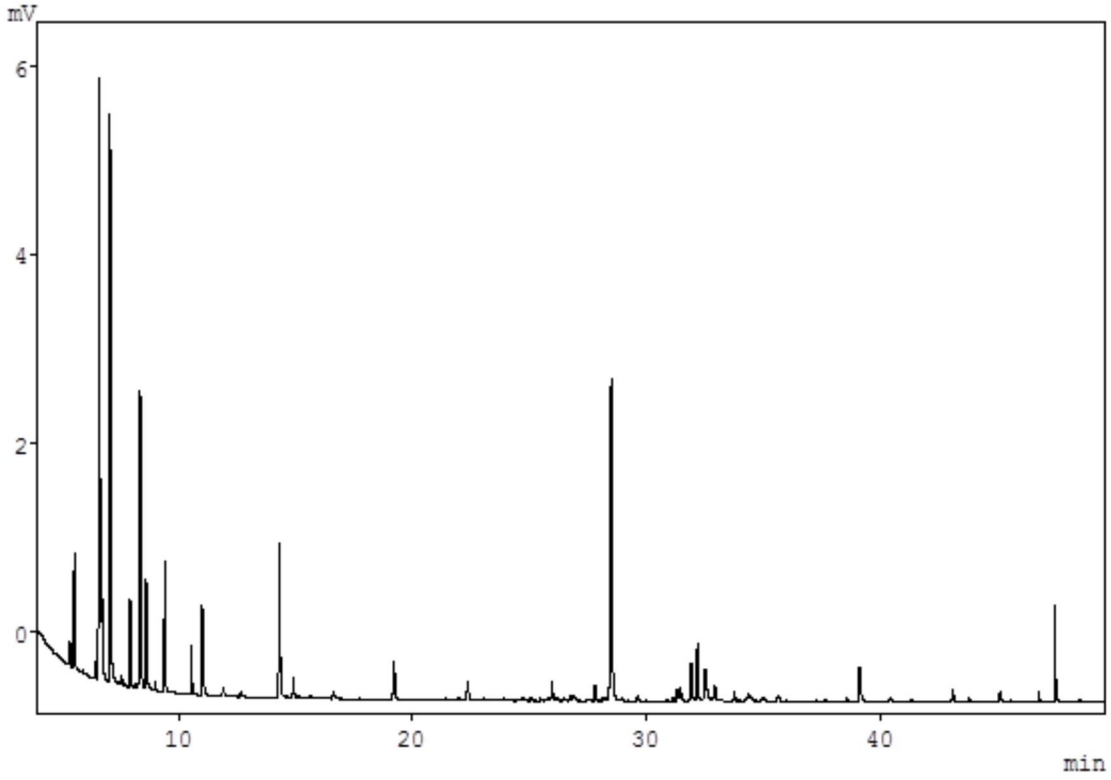

Figure S1. Chromatogram of leaf essential oil from *Drimys angustifolia*.

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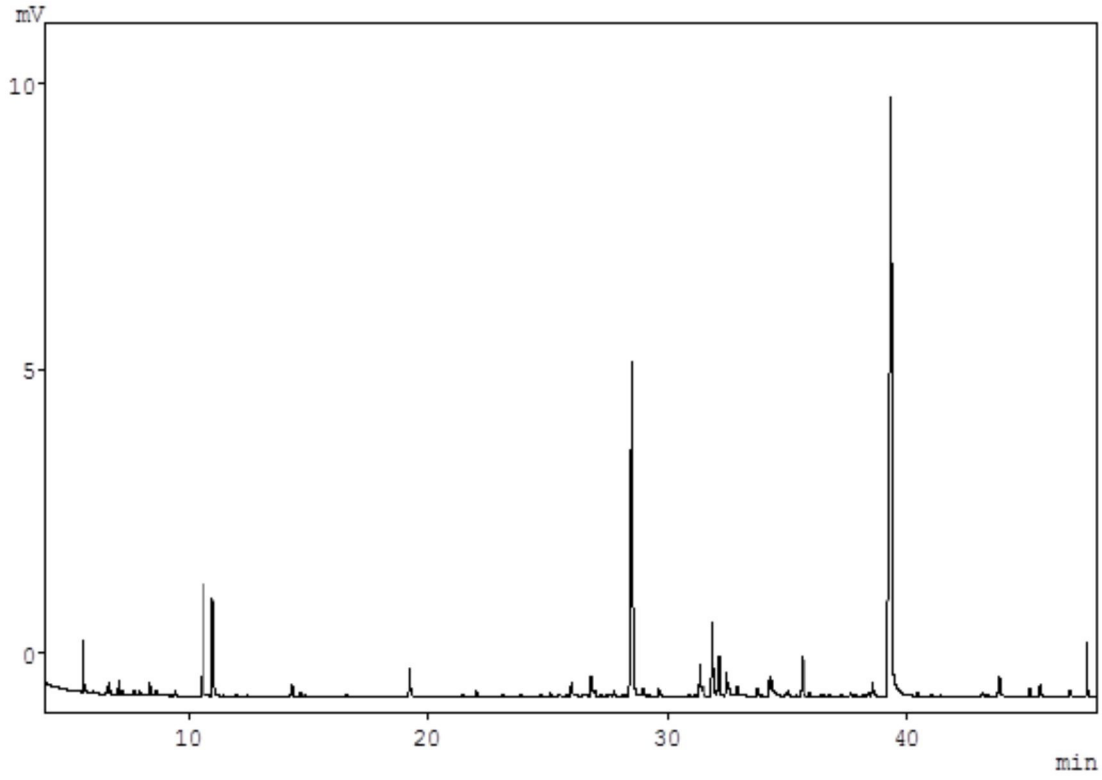

Figure S2. Chromatogram of branch essential oil from *Drimys angustifolia*.

Drimenol: mp 94.0-95.1°C (mp 97-98 °C;[1] mp 94-95 °C);[2] $[\alpha]_D^{22}$ −18.26 ($[\alpha]_D$ −18 in benzene;[1] $[\alpha]_D^{24}$ −17.7 in benzene);[2] ^{1}H NMR δ for the methyl groups 0.84, 0.86, 0.88, 1.78; for ^{13}C NMR δ for the methyl groups 15.2, 19.0, 22.2, 22.3, 23.8, 33.2, 33.6, 36.3, 40.1, 42.4, 50.1, 57.5, 61.2, 124.3, 133.1 (^{1}H NMR δ for the methyl groups 0.82, 0.87, 0.89, 1.79 and ^{13}C NMR δ 15.0, 18.8, 22.0, 22.1, 23.6, 31.8, 33.4, 36.1, 39.9, 42.2, 49.9, 57.3, 61.0, 124.2, 132.9)[3]; (^{1}H NMR δ for the methyl groups 0.82, 0.85, 0.87, 1.74 and ^{13}C NMR δ 14.9, 18.7, 21.9, 22.1, 32.9, 33.4, 36.0, 39.9, 42.2, 49.9, 57.3, 60.7, 123.9, 132.9).[4]

Bicyclogermacrene: ^{1}H NMR δ for the methyl groups 1.03, 1.09, 1.48, 1.66; ^{13}C NMR δ for the methyl groups 15.7, 16.8, 20.1, 21.1, 26.2, 27.1, 27.2, 29.4, 30.3, 37.5, 41.4, 125.0, 126.7, 128.2, 141.1 (^{1}H NMR δ for the methyl groups 1.01, 1.07, 1.46, 1.65 and ^{13}C NMR δ 15.4, 16.6, 19.9, 20.9, 26.1, 26.8, 26.9, 29.2, 30.0, 37.2, 41.2, 124.8, 126.5, 127.9, 140.8).[5]

References

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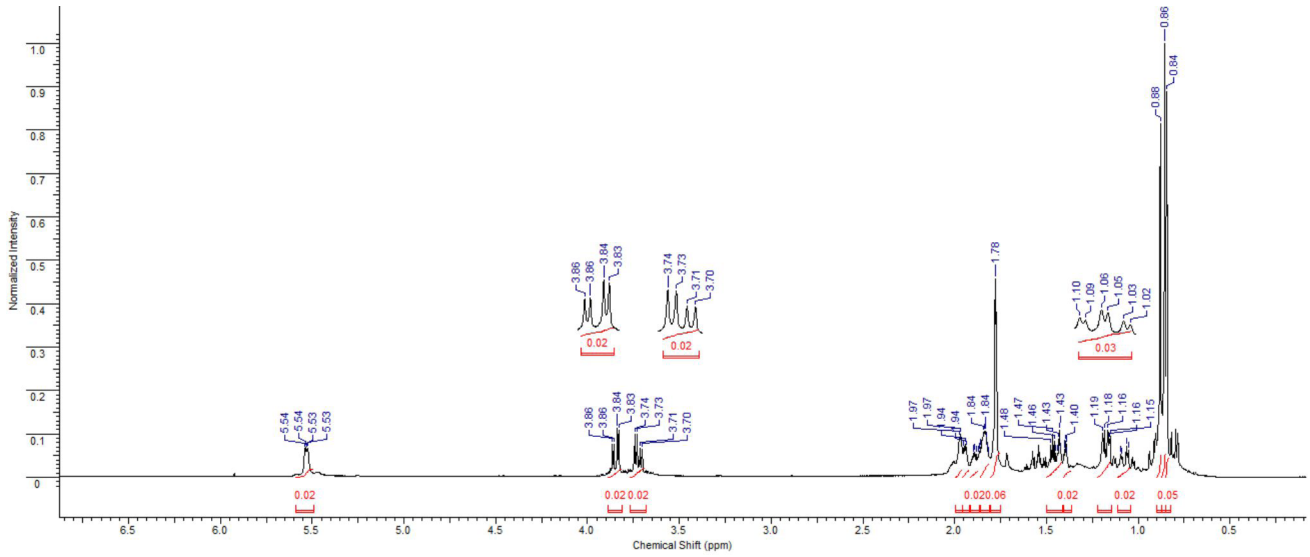

Figure S3. ^{1}H NMR ($CDCl_3$, 400 MHz) spectrum of drimenol.

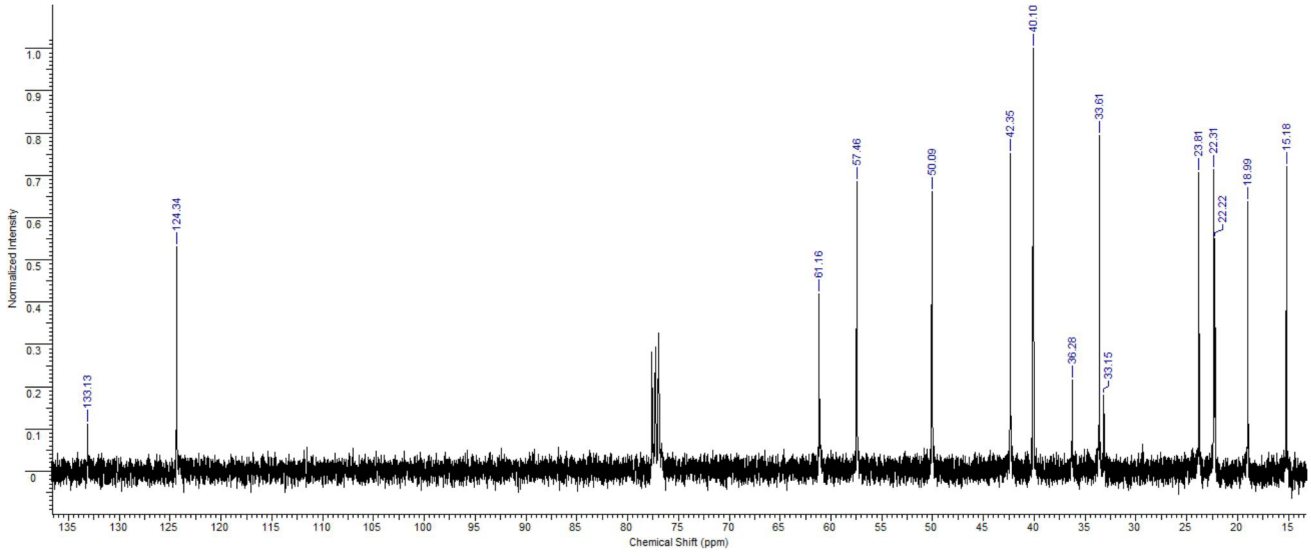

Figure S4. ^{13}C NMR ($CDCl_3$, 100 MHz) spectrum of drimenol.

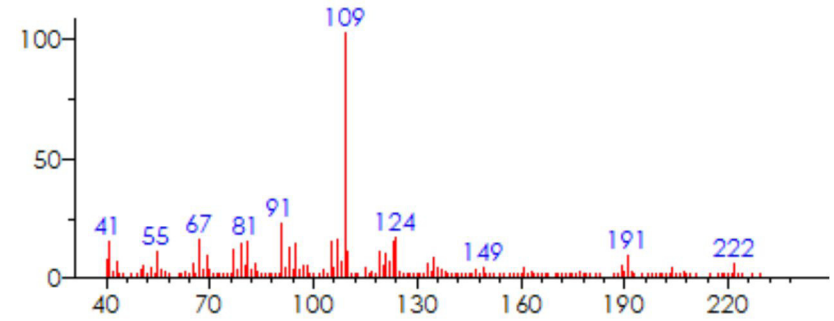

Figure S5. MS spectrum of drimenol.

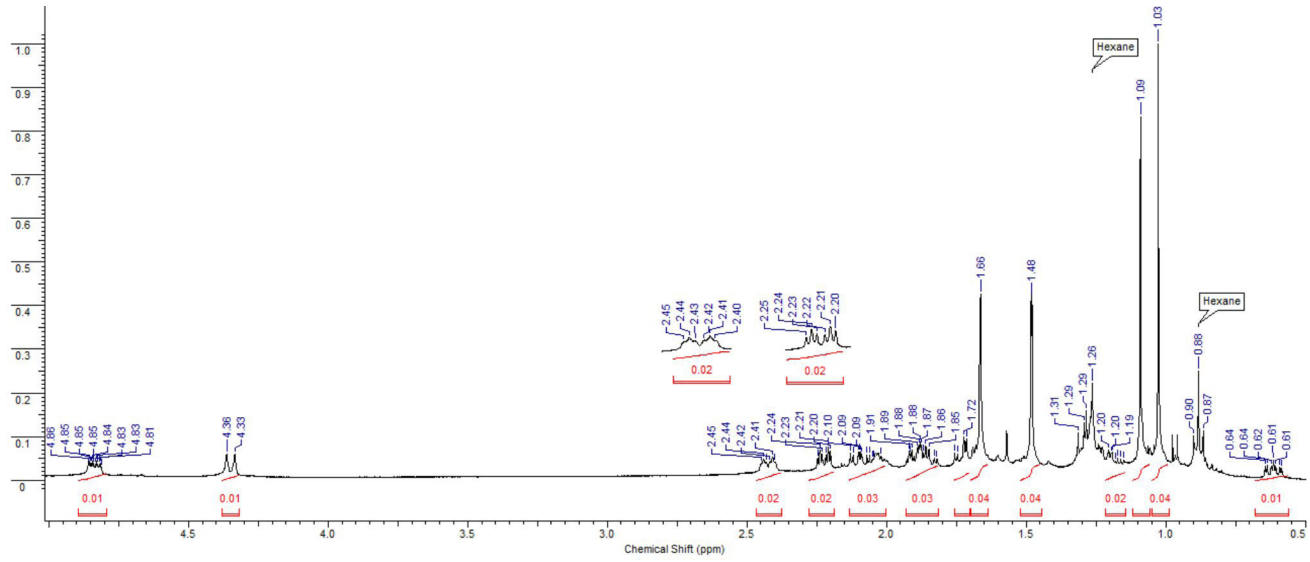

Figure S6. ^{1}H NMR ($CDCl_3$, 400 MHz) spectrum of bicyclogermacrene.

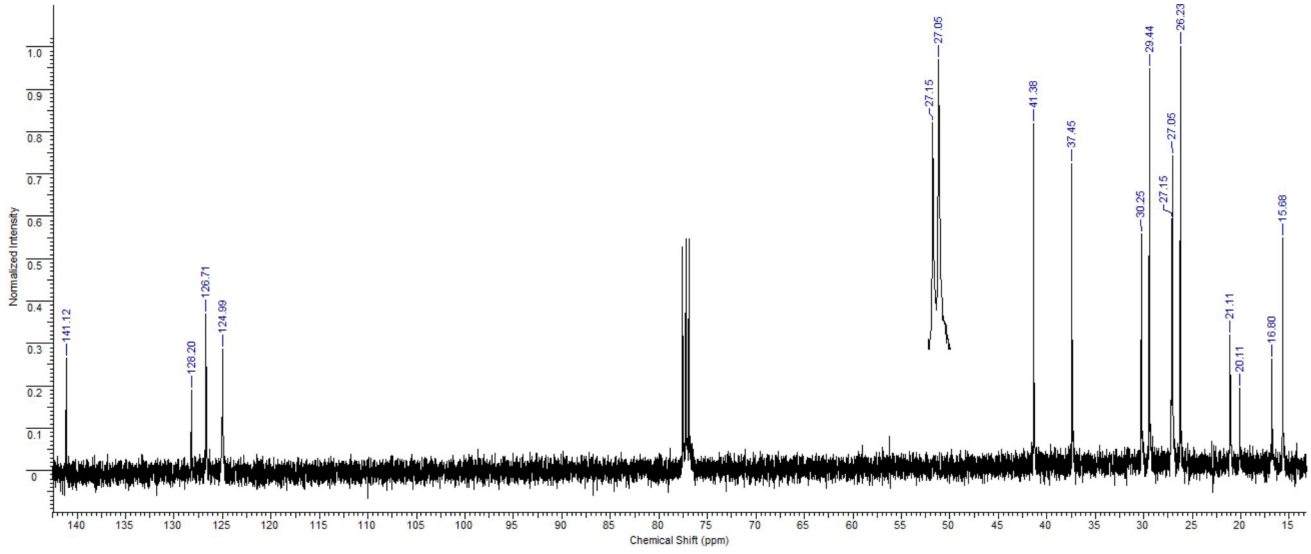

Figure S7. ^{13}C NMR ($CDCl_3$, 100 MHz) spectrum of bicyclogermacrene.

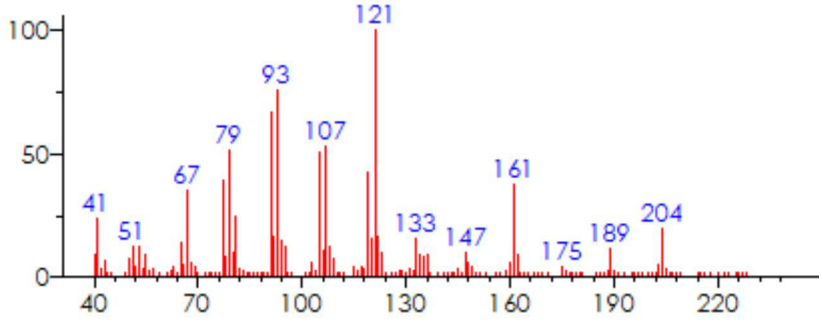

Figure S8. MS spectrum of bicyclogermacrene.