Antibacterial and antifungal sesquiterpenoids from aerial parts of *Anvillea garcinii*

Shagufta Perveen^{1,*}, Jawaher Alqahtani^{1,2}, Raha Orfali¹, Hanan Y. Aati¹, Areej M. Al-Taweel¹, Taghreed A. Ibrahim¹, Afsar Khan³, Hasan S. Yusufoglu⁴, Maged S. Abdel-Kader^{4,5} and Orazio Taglialatela-Scafati²,*

Supplementary data

- **Figure S1.** ¹H NMR Spectrum of Compound **1** in CD₃OD.
- **Figure S2.** ¹³C NMR Spectrum of Compound **1** in CD₃OD.
- Figure S3. DEPT-90 NMR Spectrum of Compound 1 in CD₃OD.
- Figure S4. DEPT-135 NMR Spectrum of Compound 1 in CD₃OD.
- Figure S5. 2D COSY NMR Spectrum of Compound 1 in CD₃OD.
- Figure S6. HSQC Spectrum of Compound 1 in CD₃OD.
- Figure S7. Negative ESI Mass Spectrum of Compound 1.
- Figure S8. ¹H NMR Spectrum of Compound 2 in CD₃OD.
- **Figure S9.** 13 C NMR Spectrum of Compound 2 in CD₃OD.
- Figure S10. DEPT-135 NMR Spectrum of Compound 2 in CD₃OD.
- Figure S11. DEPT-90 NMR Spectrum of Compound 2 in CD₃OD.
- Figure S12. 2D COSY NMR spectrum of Compound 2 in CD₃OD.
- Figure S13. HSQC Spectrum of Compound 2 in CD₃OD.
- Figure S14. Positive ESI Mass Spectra of Compound 2.
- Figure S15. ¹H NMR spectrum of compound 3.
- Figure S16. ¹³C NMR spectrum of compound 3.
- Figure S17. ¹H NMR spectrum of compound 4.
- Figure S18. ¹³C NMR spectrum of compound 4.
- Figure S19. DEPT NMR spectrum of compound 4.
- Figure S20. ¹H NMR spectrum of compound 5.
- Figure S21. ¹³C NMR spectrum of compound 5.
- Figure S22. ¹H NMR spectrum of compound 6.
- Figure S23. 2D HSQC NMR spectrum of compound 6.



Figure S1. ¹H NMR spectrum of Compound 1 in CD₃OD.



Figure S2. ¹³C NMR spectrum of Compound 1 in CD₃OD.



Figure S3. DEPT-90 NMR spectrum of Compound 1 in CD₃OD.



Figure S4. DEPT-135 NMR Spectra of Compound 1 in CD₃OD.



Figure S5. 2D COSY NMR Spectrum of Compound 1 in CD₃OD.



Figure S6. 2D NMR HSQC spectrum of Compound 1 in CD₃OD.







Figure S8. ¹H NMR spectrum of Compound 2 in CD₃OD.



Figure S9. ¹³C NMR spectrum of Compound 2 in CD₃OD.



Figure S10. DEPT-90 NMR spectrum of Compound 2 in CD₃OD.



Figure S11. DEPT-135 NMR spectrum of Compound 2 in CD₃OD.



Figure S12. 2D COSY NMR spectrum of Compound 2 in CD₃OD.



Figure S13. HSQC spectrum of Compound 2 in CD₃OD.



Figure S14. Positive ions ESI Mass spectrum of Compound 2.







Figure S16. ¹³C NMR spectrum of compound 3.



Figure S17. ¹H NMR spectrum of compound 4.



Figure S18. ¹³C NMR spectrum of compound 4.



Figure S19. DEPT NMR spectrum of compound 4.



Figure S20. ¹H NMR spectrum of compound 5.







Figure S22. ¹H NMR spectrum of compound 6.



Figure S23. 2D HSQC NMR spectrum of compound 6.