Supporting information

FOUR NEW NORLIGNANS FROM *POUZOLZIA ZEYLANICA* (L.) BENN. VAR. *MICROPHYLLA*

Chu-Qian Zhong, Shu-Hong Tao, Zhi-Bo Yi, Li-Bing Guo,* Yu-Feng Xie, and Yan-Fen Chen

Abstract – Four new norlignans, pouzolignan D (1), pouzolignan K-M (2-4), together with four known flavonoids, rhamnocitrin (5), rhamnetin (6), isorhamnetin (7) and quercetin(8), were isolated from the aerial parts of Pouzolzia zeylanica (L.) Benn. var. microphylla (Wedd.) W. T. Wang. Their structures were elucidated by spectroscopic methods, including UV, IR, HR-ESI-TOF-MS, 1D and 2D NMR experiments.
Index for compound 1:

Figure S1. $^1$H NMR spectrum (500 MHz, CD$_3$COCD$_3$) of compound 1
Figure S2. $^{13}$C NMR spectrum (125 MHz, CD$_3$COCD$_3$) of compound 1
Figure S3. DEPT spectrum (125 MHz, CD$_3$COCD$_3$) of compound 1
Figure S4. HMBC spectrum (CD$_3$COCD$_3$) of compound 1
Figure S5. 2D NOESY spectrum (CD$_3$OD) of compound 1
Figure S6. HR-ESI-TOF-MS spectrum of compound 1

Index for compound 2:

Figure S7. $^1$H NMR spectrum (500 MHz, CD$_3$OD) of compound 2
Figure S8. $^{13}$C NMR spectrum (125 MHz, CD$_3$OD) of compound 2
Figure S9. DEPT spectrum (125 MHz, CD$_3$OD) of compound 2
Figure S10. HSQC spectrum (CD$_3$OD) of compound 2
Figure S11. HMBC spectrum (CD$_3$OD) of compound 2
Figure S12a. 1D NOESY spectrum (CD$_3$OD) of compound 2
Figure S12b. 1D NOESY spectrum (CD$_3$OD) of compound 2
Figure S13. 2D NOESY spectrum (CD$_3$OD) of compound 2
Figure S14a. HR-ESI-TOF-MS spectrum of compound 2
Figure S14b. HR-ESI-TOF-MS spectrum of compound 2

Index for compound 3:

Figure S15. $^1$H NMR spectrum (500 MHz, CD$_3$OD) of compound 3
Figure S16. $^{13}$C NMR spectrum (125 MHz, CD$_3$OD) of compound 3
Figure S17. DEPT spectrum (125 MHz, CD$_3$OD) of compound 3
Figure S18. HSQC spectrum (CD$_3$OD) of compound 3
Figure S19. HMBC spectrum (CD$_3$OD) of compound 3
Figure S20. HR-ESI-TOF-MS spectrum of compound 3

Index for compound 4:

Figure S21. $^1$H NMR spectrum (500 MHz, CD$_3$OD) of compound 4
Figure S22. $^{13}$C NMR spectrum (125 MHz, CD$_3$OD) of compound 4
Figure S23. DEPT spectrum (125 MHz, CD$_3$OD) of compound 4
Figure S24. HSQC spectrum (CD$_3$OD) of compound 4
Figure S25. HMBC spectrum (CD$_3$OD) of compound 4
Figure S26. HR-ESI-TOF-MS spectrum of compound 4
Figure S1. $^1$H NMR spectrum (500 MHz, CD$_3$COCD$_3$) of compound 1

Figure S2. $^{13}$C NMR spectrum (125 MHz, CD$_3$COCD$_3$) of compound 1
Figure S3. DEPT spectrum (125 MHz, CD$_3$COCD$_3$) of compound 1

Figure S4. HMBC spectrum (CD$_3$COCD$_3$) of compound 1
Figure S5. 2D NOESY spectrum (CD$_3$OD) of compound 1

Figure S6. HR-ESI-TOF-MS spectrum of compound 1
Figure S7. $^1$H NMR spectrum (500 MHz, CD$_3$OD) of compound 2

Figure S8. $^{13}$C NMR spectrum (125 MHz, CD$_3$OD) of compound 2
Figure S9. DEPT spectrum (125 MHz, CD$_3$OD) of compound 2

Figure S10. HSQC spectrum (CD$_3$OD) of compound 2
Figure S11. HMBC spectrum (CD$_3$OD) of compound 2
Figure S12a. 1D NOESY spectrum (CD$_3$OD) of compound 2

Figure S12b. 1D NOESY spectrum (CD$_3$OD) of compound 2
Figure S13. 2D NOESY spectrum (CD$_3$OD) of compound 2

Figure S14a. HR-ESI-TOF-MS spectrum of compound 2
Figure S14b. HR-ESI-TOF-MS spectrum of compound 2

Figure S15. $^1$H NMR spectrum (500 MHz, CD$_3$OD) of compound 3
Figure S16. $^{13}$C NMR spectrum (125 MHz, CD$_3$OD) of compound 3

Figure S17. DEPT spectrum (125 MHz, CD$_3$OD) of compound 3
Figure S18. HSQC spectrum (CD$_3$OD) of compound 3

Figure S19. HMBC spectrum (CD$_3$OD) of compound 3
Figure S20. HR-ESI-TOF-MS spectrum of compound 3

Figure S21. $^1$H NMR spectrum (500 MHz, CD$_3$OD) of compound 4
Figure S22. $^{13}\text{C}$ NMR spectrum (125 MHz, CD$_3$OD) of compound 4

Figure S23. DEPT spectrum (125 MHz, CD$_3$OD) of compound 4
Figure S24. HSQC spectrum (CD$_3$OD) of compound 4

Figure S25. HMBC spectrum (CD$_3$OD) of compound 4
Figure S26. HR-ESI-TOF-MS spectrum of compound 4