Supplementary Information

Altenusin Derivatives from Mangrove Endophytic Fungus

*Alternaria* sp. SK6YW3L

Yayue Liu*, Yingnan Wu, Rui Zhai, Zhaoming Liu, Xishan Huang*, Zhigang She*ac

a School of Chemistry and Chemical Engineering, Sun Yat-sen University, Guangzhou 510275, China. E-mail: huangxishan13@foxmail.com; ceshzhg@mail.sysu.edu.cn. Tel/Fax: +86 020 84113356.
b College of Food Science and Technology, Guangdong Ocean University, Zhanjiang 524025, China
c South China Sea Bio-Resource Exploitation and Utilization Collaborative Innovation Center, Guangzhou 510006, China.
Figure S29. $^1$H–$^1$H COSY spectrum of compound 5..............................................................18
Figure S30. HSQC spectrum of compound 5............................................................................18
Figure S31. HMBC spectrum of compound 5 ........................................................................19
Figure S32. NOESY spectrum of compound 5......................................................................19
Figure S1. HR-ESI-MS spectrum of compound 1

Figure S2. $^1$H NMR (500 MHz, CDCl$_3$) spectrum of compound 1
Figure S3. $^{13}$C NMR (500 MHz, CDCl$_3$) spectrum of 1

Figure S4. $^1$H–$^1$H COSY spectrum of compound 1
Figure S5. HSQC spectrum of compound 1

Figure S6. HMBC spectrum of compound 1
Figure S7. HR-ESI-MS spectrum of compound 2

Figure S8. ¹H NMR (500 MHz, Methanol-d₄) spectrum of compound 2
Figure S9. $^{13}$C NMR (500 MHz, Methanol-$d_4$) and DEPT spectra of compound 2

Figure S10. $^1$H–$^1$H COSY spectrum of compound 2
Figure S11. HSQC spectrum of compound 2

Figure S12. HMBC spectrum of compound 2
Figure S13. HR-ESI-MS spectrum of compound 3

Figure S14. $^1$H NMR (500 MHz, Methanol-$d_4$) spectrum of compound 3
Figure S15. $^{13}$C NMR (500 MHz, Methanol-$d_4$) and DEPT spectra of compound 3

Figure S16. $^1$H–$^1$H COSY spectrum of compound 3
Figure S17. HSQC spectrum of compound 3

Figure S18. HMBC spectrum of compound 3
Figure S19. NOESY spectrum of compound 3

Figure S20. HR-ESI-MS spectrum of compound 4
Figure S21. $^1$H NMR (500 MHz, Methanol-$d_4$) spectrum of compound 4

Figure S22. $^{13}$C NMR (500 MHz, Methanol-$d_4$) and DEPT spectra of compound 4
Figure S23. $^1$H–$^1$H COSY spectrum of compound 4

Figure S24. HSQC spectrum of compound 4
Figure S25. HMBC spectrum of compound 4

Figure S26. HR-ESI-MS spectrum of compound 5
Figure S27. $^1$H NMR (500 MHz, Methanol-$d_4$) spectrum of compound 5

Figure S28. $^{13}$C NMR (500 MHz, Methanol-$d_4$) and DEPT spectra of 5
Figure S29. $^1$H–$^1$H COSY spectrum of compound 5

Figure S30. HSQC spectrum of compound 5
Figure S31. HMBC spectrum of compound 5

Figure S32. NOESY spectrum of compound 5