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Figure S1. Selected ¹H-¹H COSY and HMBC correlations of compounds 2-8







Figure S3. ECD curves of compounds 2, 3, and 5-8



Figure S4. Comparison of exprimetal and calculated VCD spectra of Anacolosin B (2)



Figure S5. Selected ion extraction of the reaction residue of hydrolysate of Anacolosin D (4) and α -bromo-2-acetonaphthone (11)



Figure S6. C18 and chiral HPLC analysis of 13 from S and R/S-12 and Anacolosin D (4)

A: C18 HPLC analysis of 2-methylbutyric acid 2-naphthacyl ester (13) from Anacolosin D (4)

B: C18 HPLC analysis of 13 from S-12 (2-methylbutyric acid)

C: Co-injection of 13 from Anacolosin D (4) and from S-12 on C18 HPLC

D: Chiral HPLC analysis of 13 from Anacolosin D (4) on Phenomenex Cellulose-3 column

E: Co-injection of 13 from the Anacolosin D (4) and from S-12 on Phenomenex Cellulose-3 column

F: Co-injection of 13 from the Anacolosin D (4) and from R/S-12 on Phenomenex Cellulose-3 column







Figure S8. ¹H NMR (400 MHz) spectrum of Anacolosin A (1) in DMSO-*d*₆





Figure S10. ¹H-¹H COSY (500 MHz) spectrum of Anacolosin A (1) in DMSO-*d*₆



Figure S11. HSQC (500 MHz) spectrum of Anacolosin A (1) in DMSO-*d*₆



Figure S12. HMBC (500 MHz) spectrum of Anacolosin A (1) in DMSO-d₆



Figure S13. ROESY (600 MHz) spectrum of Anacolosin A (1) in DMSO-*d*₆



Figure S14. ROESY (500 MHz) spectrum of Anacolosin A (1) in CDCl₃



Figure S15. HRESIMS spectrum of Anacolosin A (1)



Figure S16. ¹H NMR (600 MHz) spectrum of Anacolosin B (2) in MeOH-d₄





Figure S18. ¹H-¹H COSY (500 MHz) spectrum of Anacolosin B (2) in MeOH-*d*₄



Figure S19. HSQC (500 MHz) spectrum of Anacolosin B (2) in MeOH-d4



Figure S20. HMBC (500 MHz) spectrum of Anacolosin B (2) in MeOH-d4



Figure S21. ROESY (500 MHz) spectrum of Anacolosin B (2) in MeOH-d4





Figure S23. HRESIMS spectrum of Anacolosin B (2)



Figure S24. ¹H NMR (600 MHz) spectrum of Anacolosin C (3) in MeOH-d4





Figure S26. ¹H-¹H COSY (500 MHz) spectrum of Anacolosin C (3) in MeOH-d₄



Figure S27. HSQC (500 MHz) spectrum of Anacolosin C (3) in MeOH-d4



Figure S28. HMBC (500 MHz) spectrum of Anacolosin C (3) in MeOH-d4



Figure S29. ROESY (500 MHz) spectrum of Anacolosin C (3) in MeOH-d4



Figure S30. ROESY (500 MHz) spectrum of Anacolosin C (3) in CDCl₃



Figure S31. HRESIMS spectrum of Anacolosin C (3)



Figure S32. ¹H NMR (600 MHz) spectrum of Anacolosin D (4) in MeOH-d4





Figure S34. ¹H-¹H COSY (500 MHz) spectrum of Anacolosin D (4) in MeOH-d₄



Figure S35. HSQC (500 MHz) spectrum of Anacolosin D (4) in MeOH-d4



Figure S36. HMBC (500 MHz) spectrum of Anacolosin D (4) in MeOH-d4



Figure S37. ROESY (500 MHz) spectrum of Anacolosin D (4) in MeOH-d4



Figure S38. ROESY (500 MHz) spectrum of Anacolosin D (4) in CDCl₃



Figure S39. HRESIMS spectrum of Anacolosin D (4)



Figure S40. ¹H NMR (500 MHz) spectrum of Anacolosin E (5) in MeOH-d4





Figure S42. ¹H-¹H COSY (500 MHz) spectrum of Anacolosin E (5) in MeOH-*d*₄



Figure S43. HSQC (500 MHz) spectrum of Anacolosin E (5) in MeOH-d4



Figure S44. HMBC (500 MHz) spectrum of Anacolosin E (5) in MeOH-d4



Figure S45. ROESY (500 MHz) spectrum of Anacolosin E (5) in MeOH-d4



Figure S46. ROESY (500 MHz) spectrum of Anacolosin E (5) in CDCl₃



Figure S47. HRESIMS spectrum of Anacolosin E (5)



Figure S48. ¹H NMR (500 MHz) spectrum of Anacolosin F (6) in MeOH-d₄



Figure S49. ¹H-¹H COSY (500 MHz) spectrum of Anacolosin F (6) in MeOH-d₄



Figure S50. HSQC (500 MHz) spectrum of Anacolosin F (6) in MeOH-d4

S53



Figure S51. HMBC (500 MHz) spectrum of Anacolosin F (6) in MeOH-d4



Figure S52. HRESIMS spectrum of Anacolosin F (6)



Figure S53. ¹H NMR (500 MHz) spectrum of Corymbulosin X (7) in MeOH-d4





Figure S55. ¹H-¹H COSY (500 MHz) spectrum of Corymbulosin X (7) in MeOH-d₄



Figure S56. HSQC (500 MHz) spectrum of Corymbulosin X (7) in MeOH-d₄



Figure S57. HMBC (500 MHz) spectrum of Corymbulosin X (7) in MeOH-d4



Figure S58. ROESY (500 MHz) spectrum of Corymbulosin X (7) in MeOH-d4



Figure S59. HRESIMS spectrum of Corymbulosin X (7)



Figure S60. ¹H NMR (500 MHz) spectrum of Corymbulosin Y (8) in MeOH-d₄



Figure S61. ¹H-¹H COSY (500 MHz) spectrum of Corymbulosin Y (8) in MeOH-d₄



Figure S62. HSQC (500 MHz) spectrum of Corymbulosin Y (8) in MeOH-d4



Figure S63. HMBC (500 MHz) spectrum of Corymbulosin Y (8) in MeOH-d4

S66



Figure S64. HRESIMS spectrum of Corymbulosin Y (8)



Figure S65. ¹H NMR (400 MHz) spectrum of the synthetic standard R/S-13 in MeOH- d_4





Figure S67. ¹H NMR (400 MHz) spectrum of the synthetic standard S-13 in MeOH-d₄

