

## *Supplementary Material:*

### **Borrelidins C-E: New Antibacterial Macrolides from a Saltern-Derived Halophilic *Nocardiopsis* sp.**

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Figure S1.  $^1\text{H}$  NMR spectrum (600 MHz) of borrelidin C (**1**) in pyridine- $d_5$ .

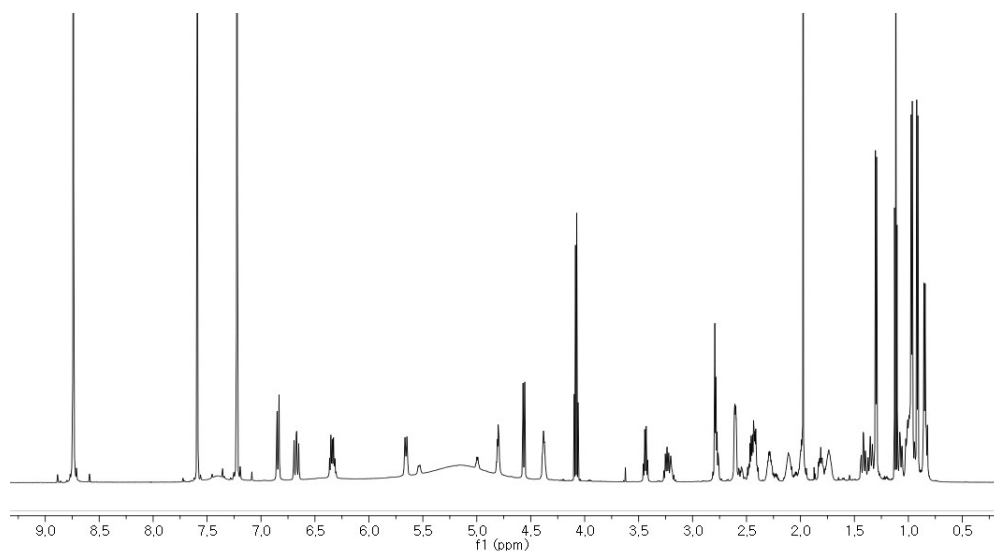


Figure S2.  $^{13}\text{C}$  NMR spectrum (150 MHz) of borrelidin C (**1**) in pyridine- $d_5$ .

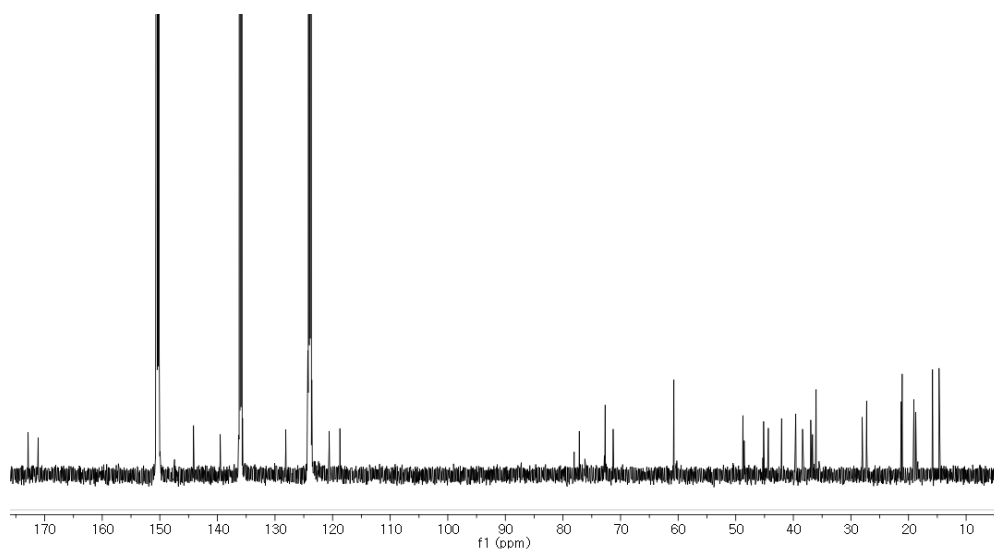


Figure S3. COSY NMR spectrum of borrelidin C (1) in pyridine-*d*<sub>5</sub>.

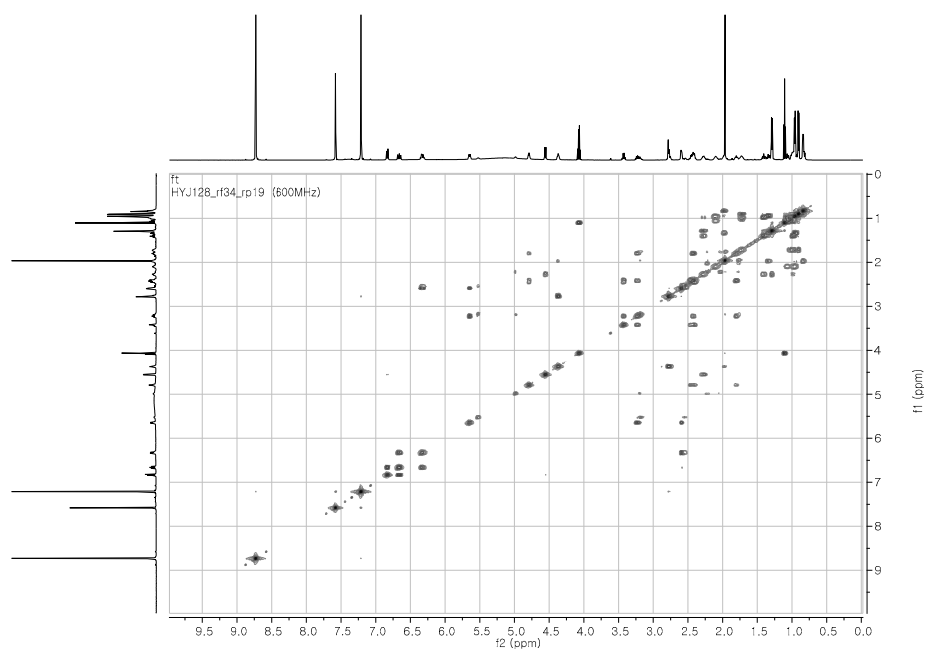


Figure S4. HSQC NMR spectrum of borrelidin C (1) in pyridine-*d*<sub>5</sub>.

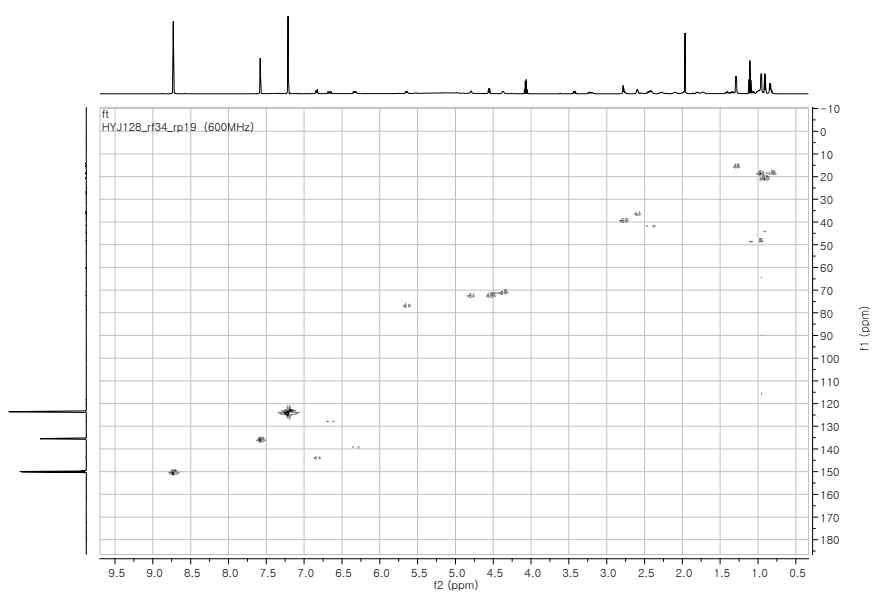


Figure S5. HMBC NMR spectrum of borrelidin C (**1**) in pyridine-*d*<sub>5</sub>.

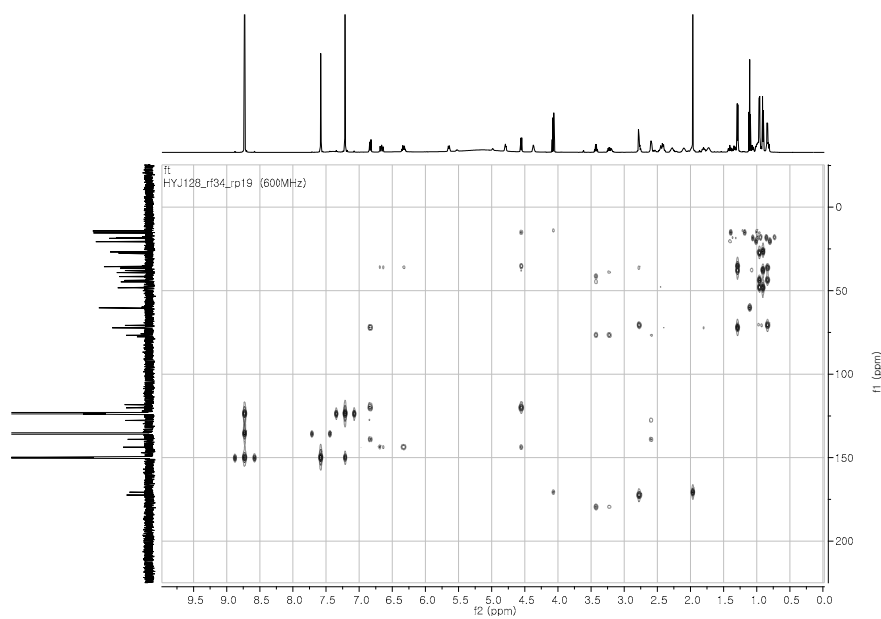


Figure S6. ROESY NMR spectrum of borrelidin C (**1**) in pyridine-*d*<sub>5</sub>.

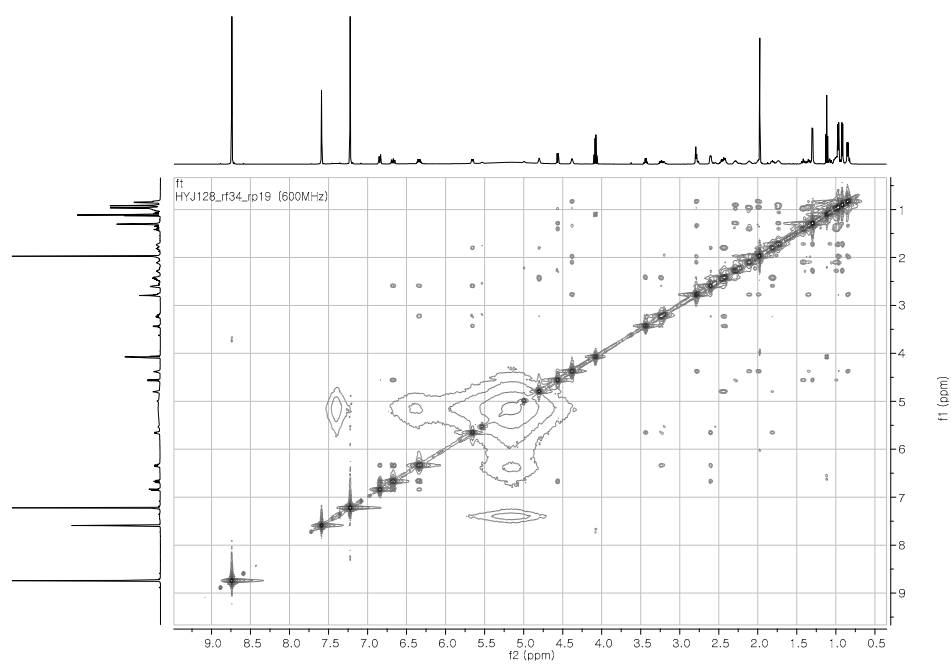


Figure S7.  $^1\text{H}$  NMR spectrum (600 MHz) of borrelidin D (**2**) in pyridine- $d_5$ .

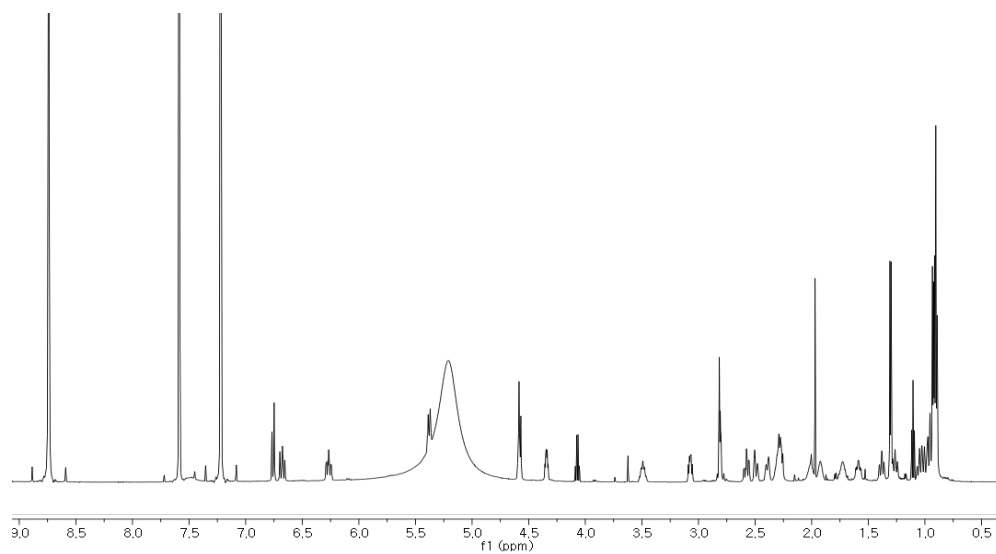


Figure S8.  $^{13}\text{C}$  NMR spectrum (150 MHz) of borrelidin D (**2**) in pyridine- $d_5$ .

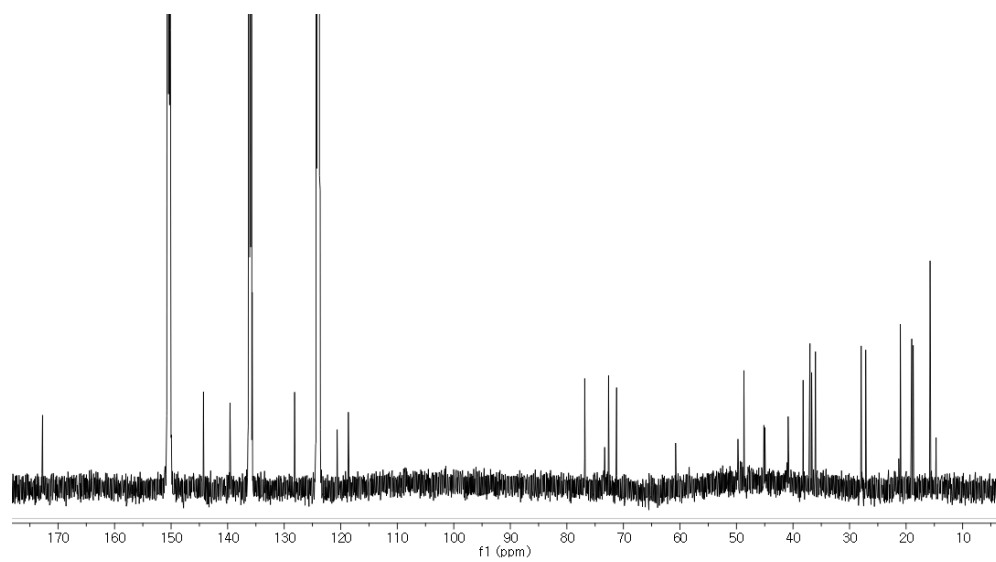


Figure S9. COSY NMR spectrum of borrelidin D (2) in pyridine-*d*<sub>5</sub>.

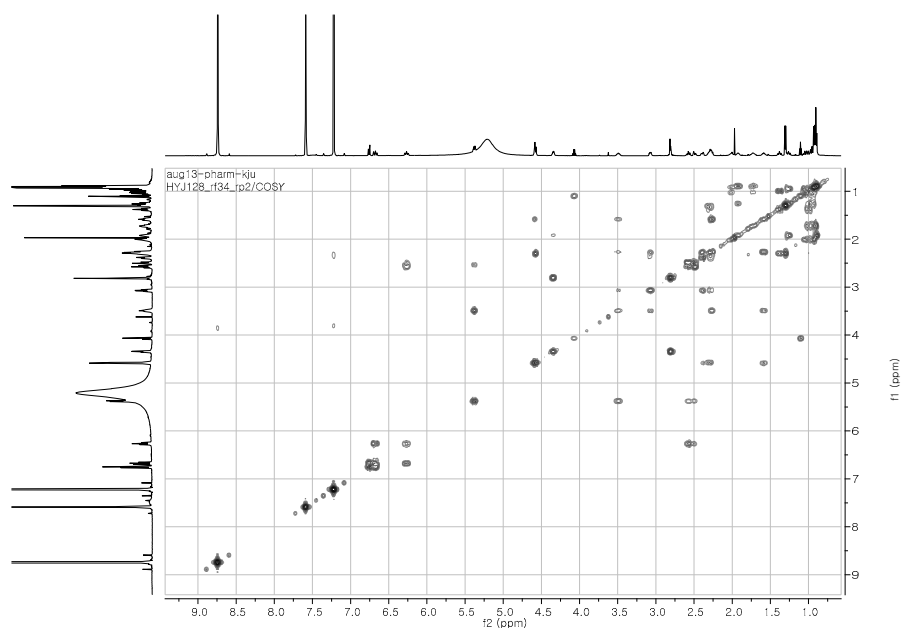


Figure S10. HSQC NMR spectrum of borrelidin D (2) in pyridine-*d*<sub>5</sub>.

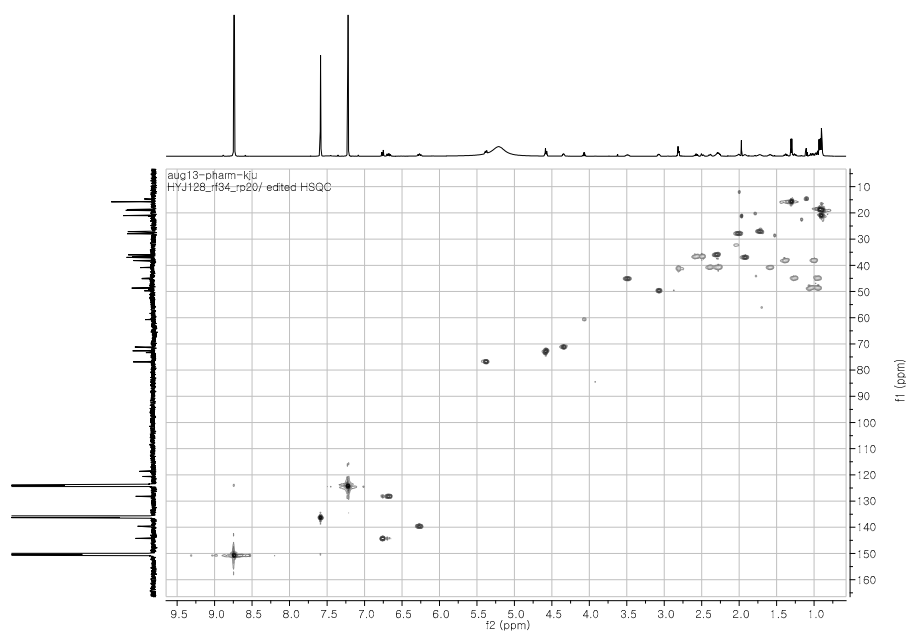


Figure S11. HMBC NMR spectrum of borrelidin D (2) in pyridine-*d*<sub>5</sub>.

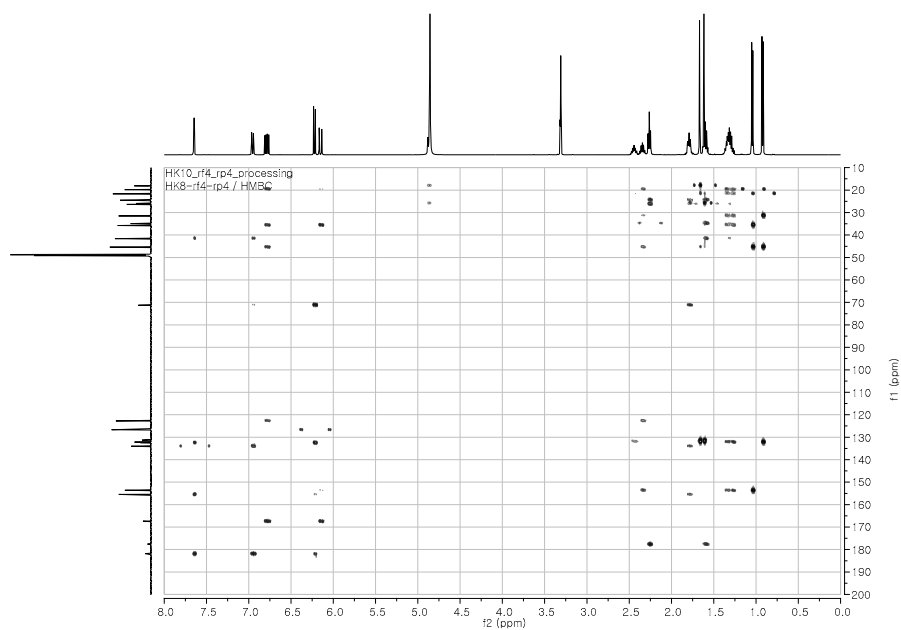


Figure S12. ROESY NMR spectrum of borrelidin D (2) in pyridine-*d*<sub>5</sub>.

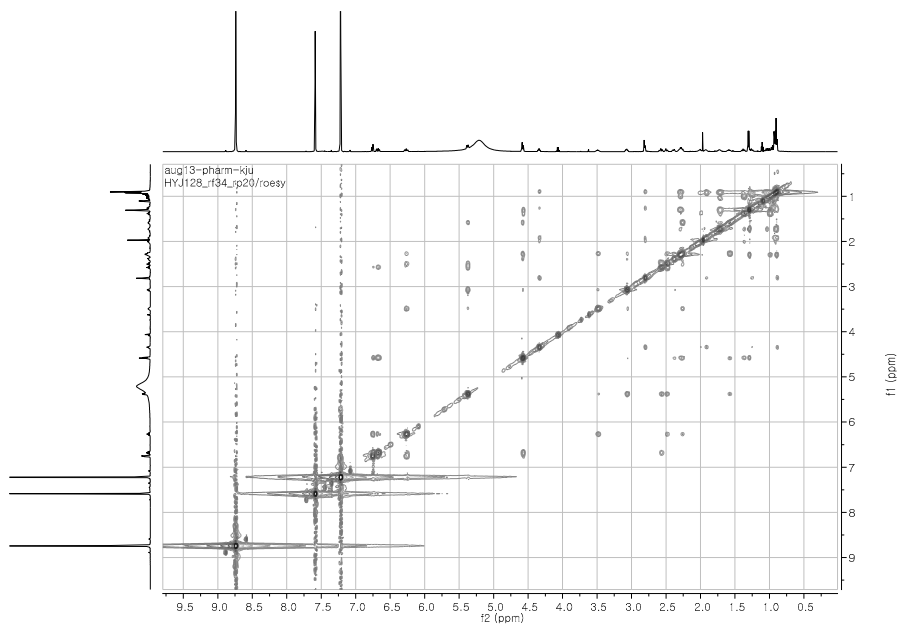




Figure S13.  $^1\text{H}$  NMR spectrum (600 MHz) of borrelidin E (**3**) in pyridine- $d_5$ .

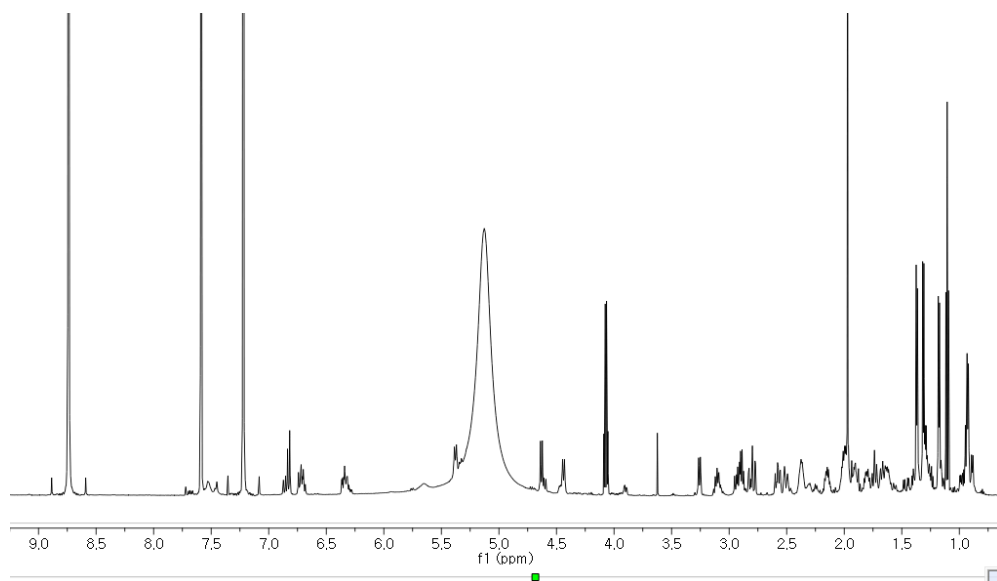


Figure S14.  $^{13}\text{C}$  NMR spectrum (150 MHz) of borrelidin E (**3**) in pyridine- $d_5$ .

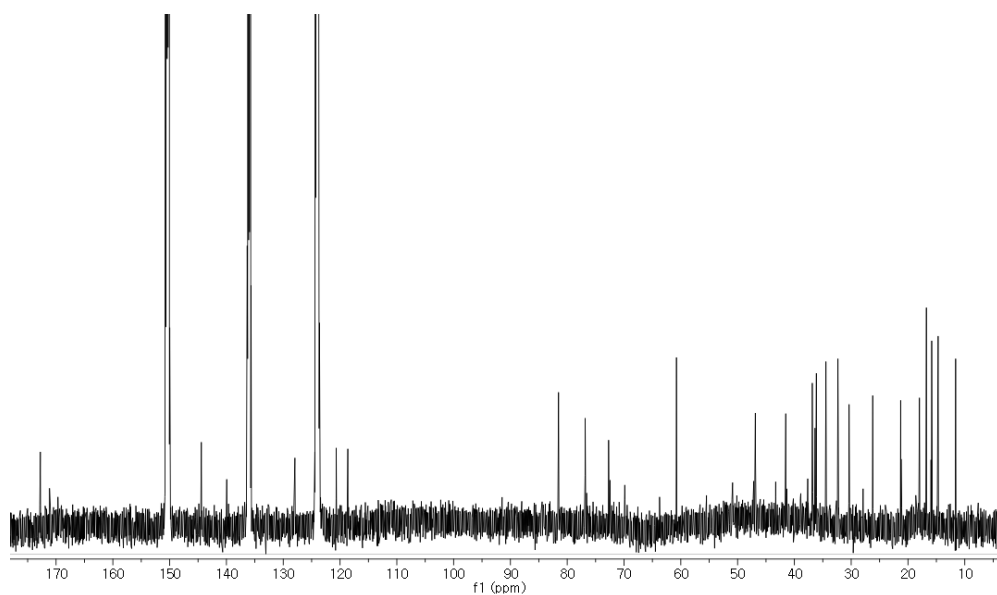


Figure S15. COSY NMR spectrum of borrelidin E (3) in pyridine-*d*<sub>5</sub>.

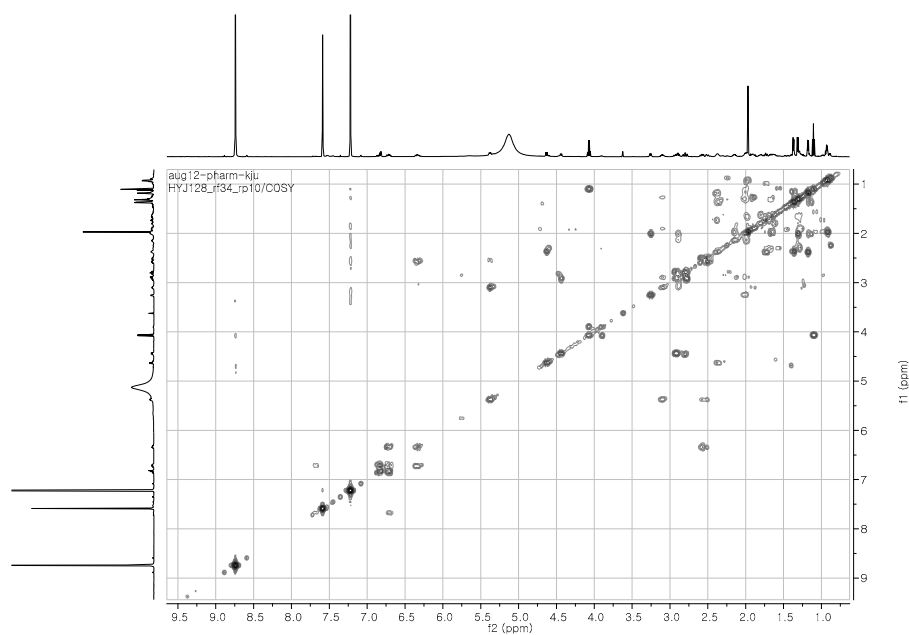


Figure S16. HSQC NMR spectrum of borrelidin E (3) in pyridine-*d*<sub>5</sub>.

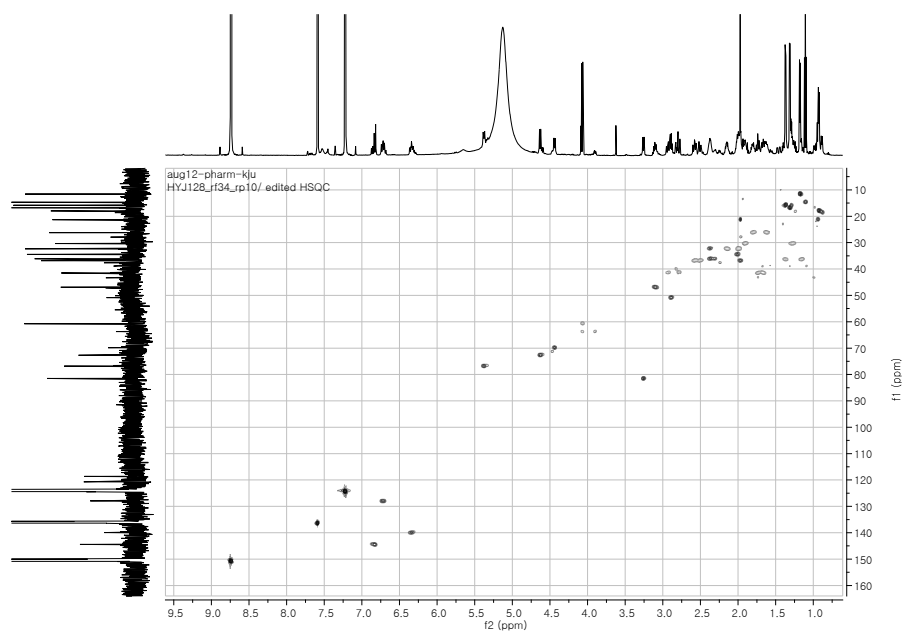


Figure S17. HMBC NMR spectrum of borrelidin E (3) in pyridine-*d*<sub>5</sub>.

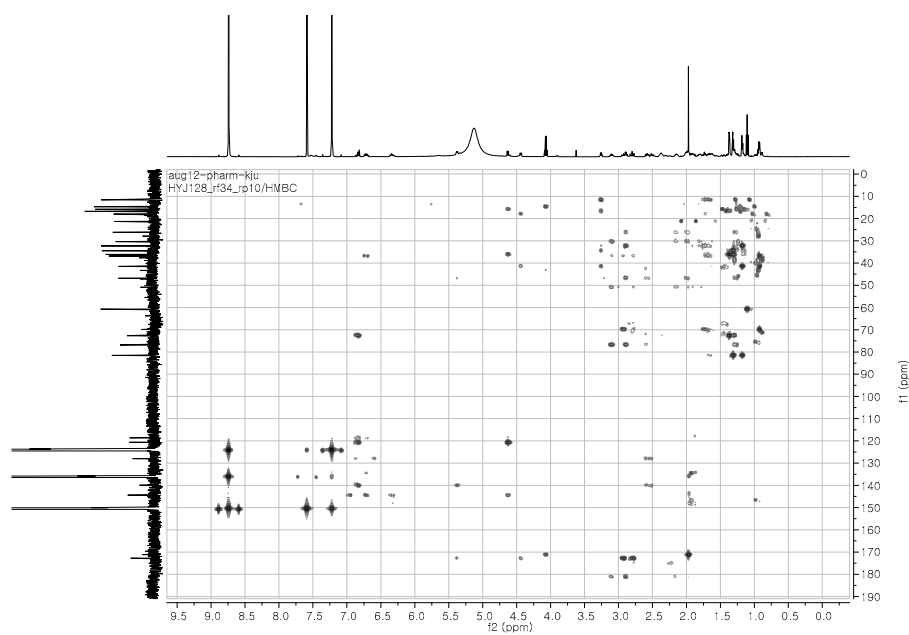


Figure S18. ROESY NMR spectrum of borrelidin E (3) in pyridine-*d*<sub>5</sub>.

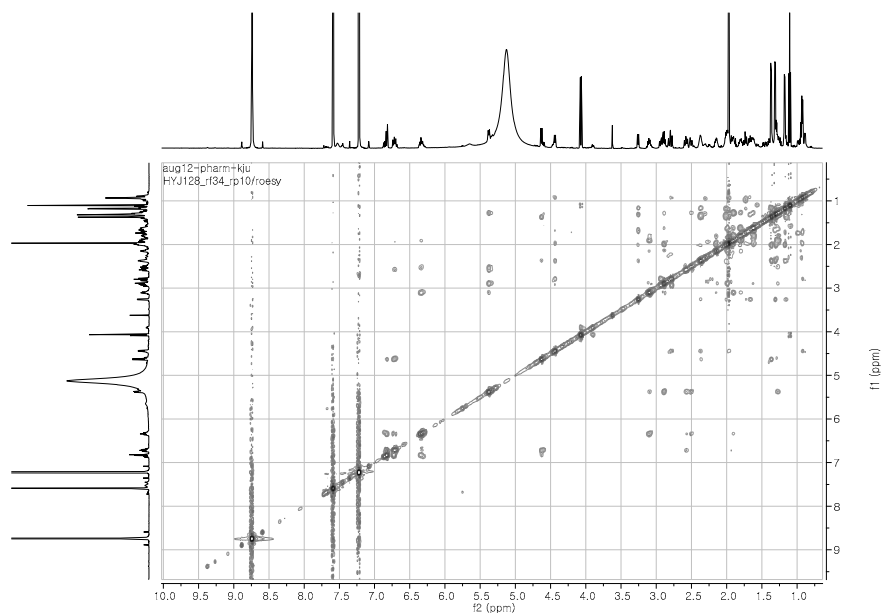


Figure S19.  $^1\text{H}$  NMR spectrum of bis-*S*-MTPA ester of borrelidin C (**1a**) at 600 MHz in pyridine- $d_5$ .

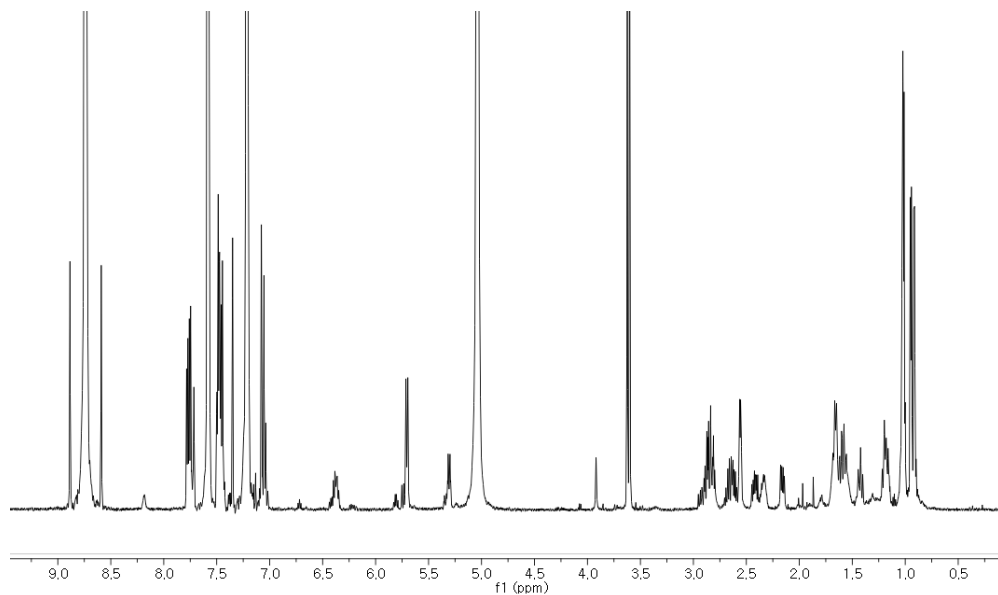


Figure S20. COSY NMR spectrum of bis-*S*-MTPA ester of borrelidin C (**1a**) at 600 MHz in pyridine- $d_5$ .

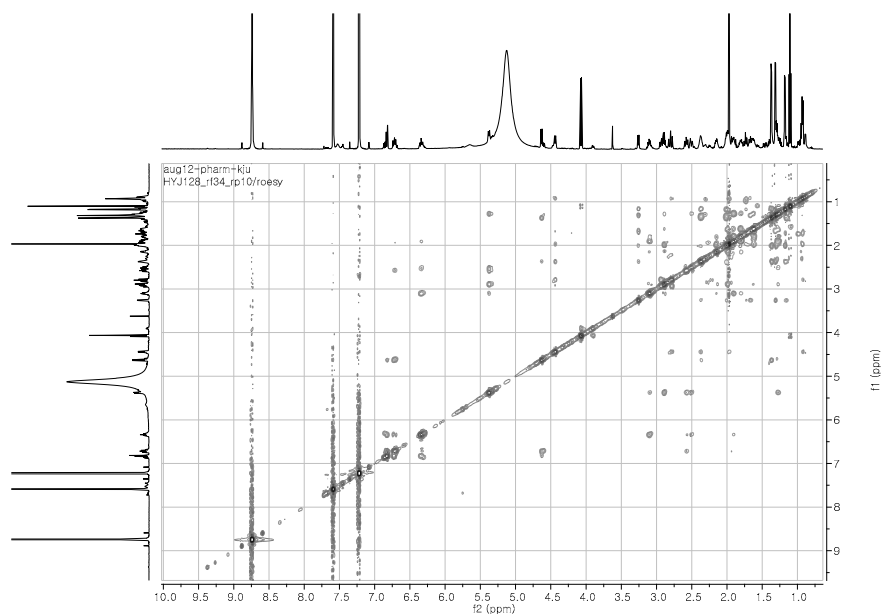


Figure S21.  $^1\text{H}$  NMR spectrum of bis-*R*-MTPA ester of borrelidin C (**1b**) at 600 MHz in pyridine- $d_5$ .

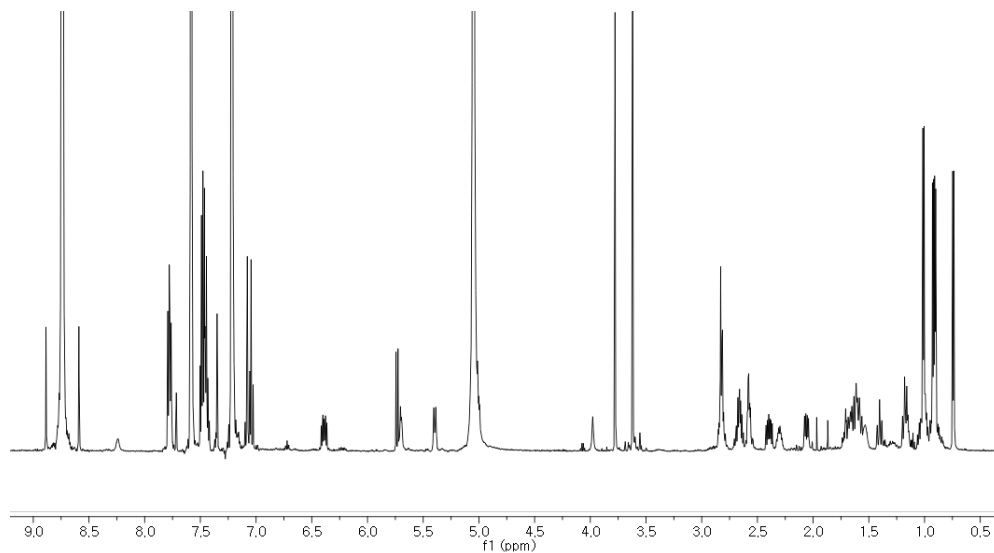


Figure S22. COSY NMR spectrum of bis-*R*-MTPA ester of borrelidin C (**1b**) at 600 MHz in pyridine- $d_5$ .

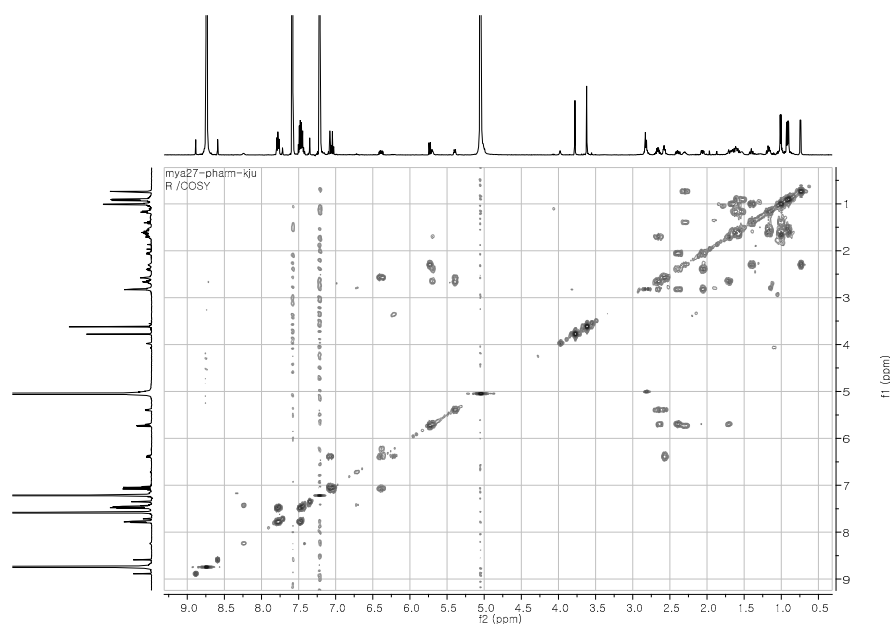


Figure S23.  $^1\text{H}$  NMR spectrum of bis-*S*-MTPA ester of borrelidin D (**2a**) at 600 MHz in pyridine- $d_5$ .

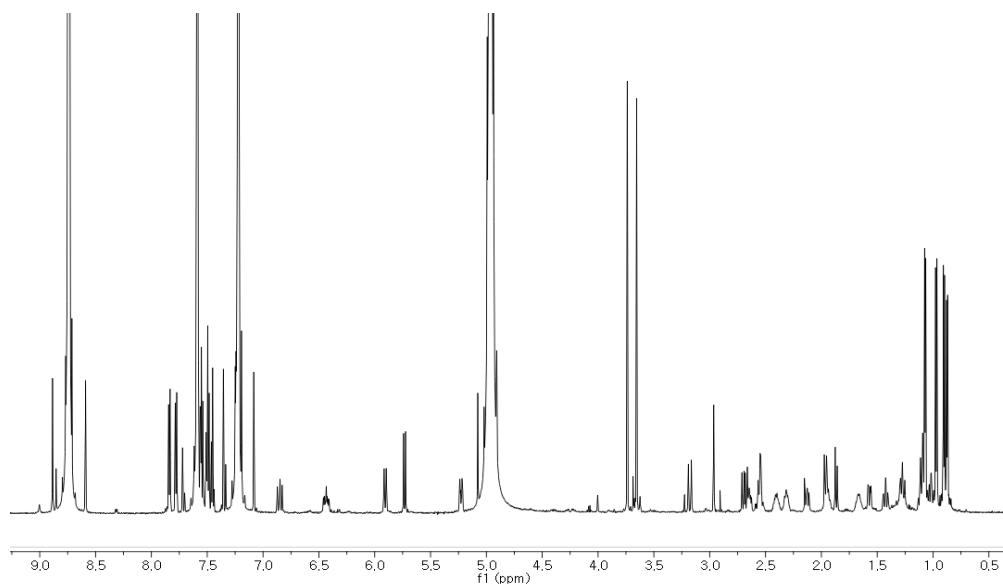


Figure S24. COSY NMR spectrum of bis-*S*-MTPA ester of borrelidin D (**2a**) at 600 MHz in pyridine- $d_5$ .

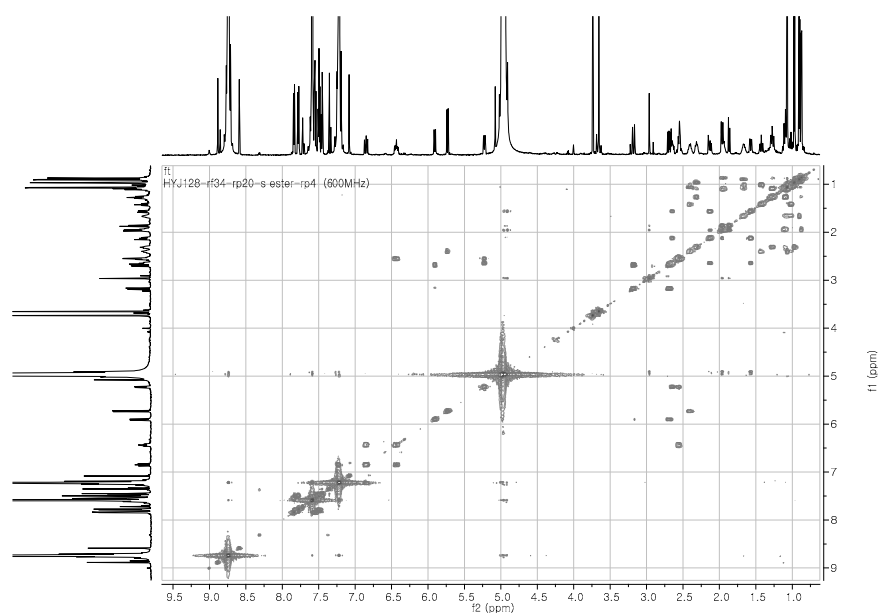


Figure S25.  $^1\text{H}$  NMR spectrum of bis-*R*-MTPA ester of borrelidin D (**2b**) at 600 MHz in pyridine- $d_5$ .

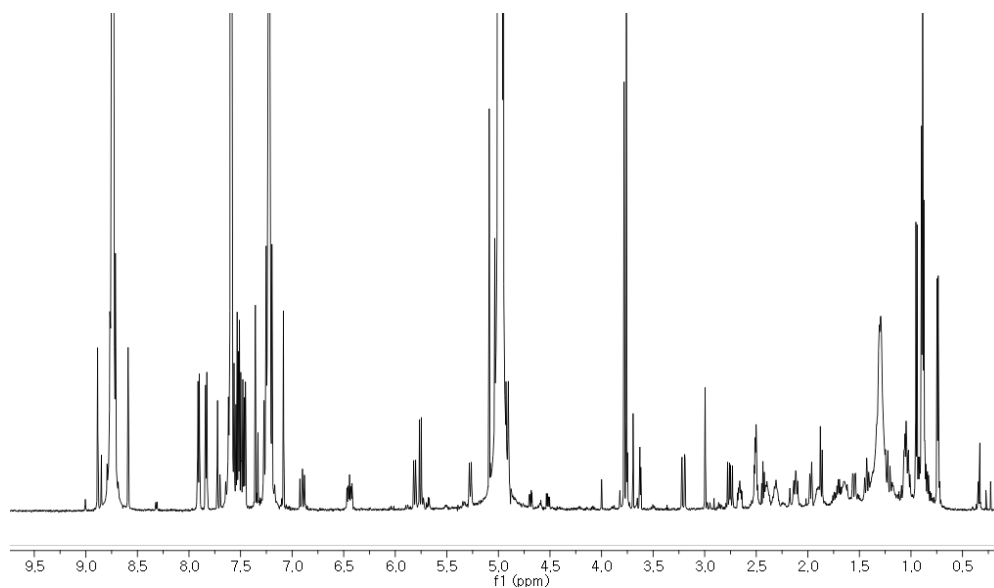


Figure S26. COSY NMR spectrum of bis-*R*-MTPA ester of borrelidin D (**2b**) at 600 MHz in pyridine- $d_5$ .

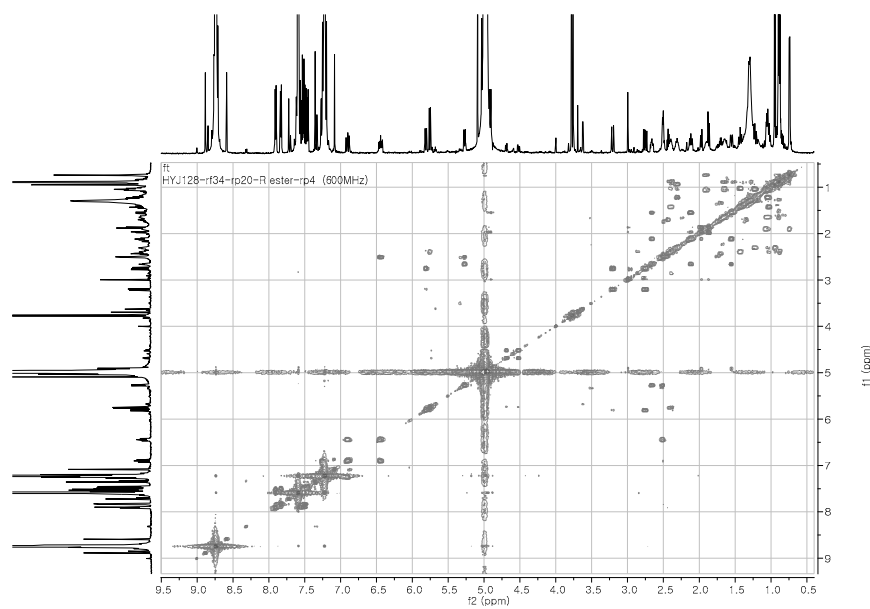


Figure S27.  $^1\text{H}$  NMR spectrum of homo-decoupling  $^1\text{H}$  experiment by irradiation  $^1\text{H}$  at  $\delta$  2.38 of borrelidin E (**3**) at 600MHz in pyridine- $d_5$ .

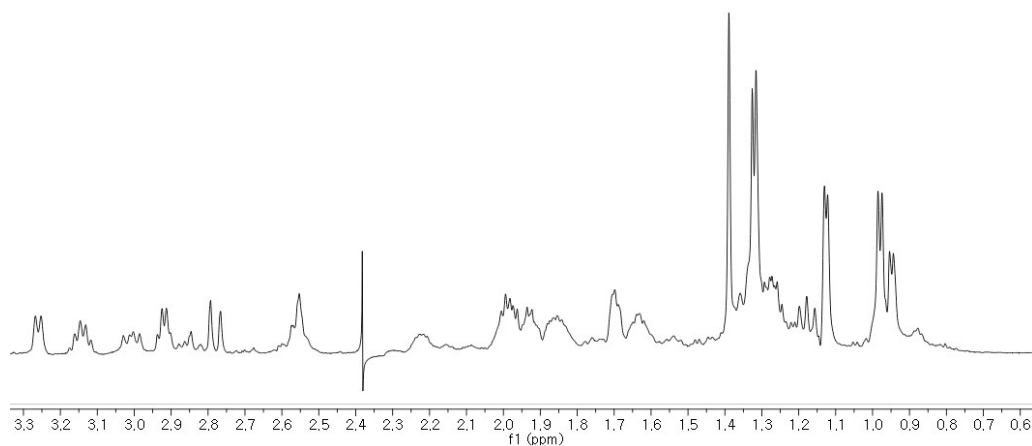


Figure S28. Experimental CD spectra of **1-4**.

