

## Supplementary Materials

### Ceratinadins E and F, new bromotyrosine alkaloids from an Okinawan marine sponge *Pseudoceratina* sp.

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**Figure S14.** <sup>13</sup>C NMR spectrum of ceratinadin F (**2**) in CD<sub>3</sub>OD (150 MHz).

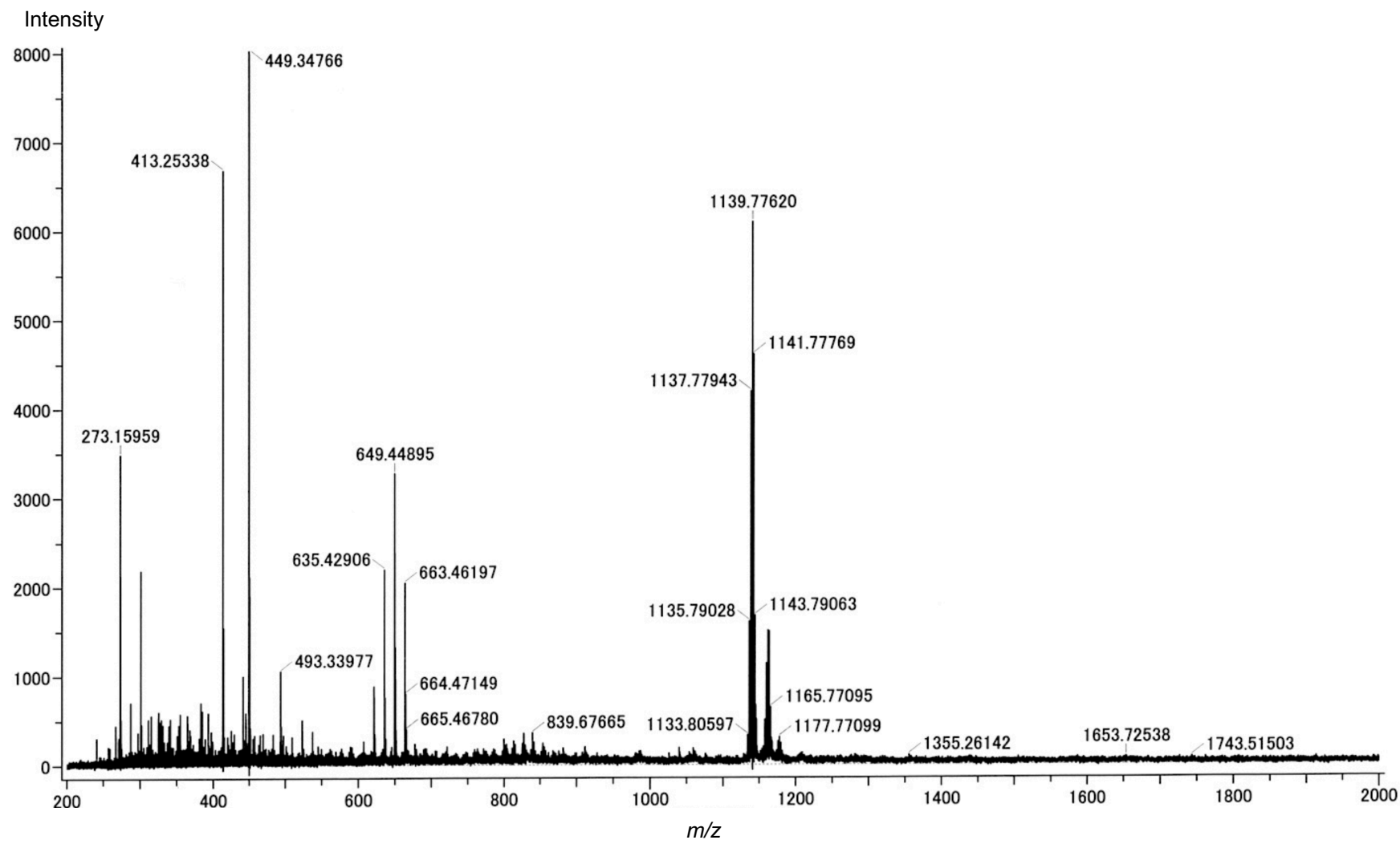
**Figure S15.** <sup>1</sup>H-<sup>1</sup>H COSY spectrum of ceratinadin F (**2**) in CD<sub>3</sub>OD (600 MHz).

**Figure S16.** HSQC spectrum of ceratinadin F (**2**) in CD<sub>3</sub>OD (600 MHz).

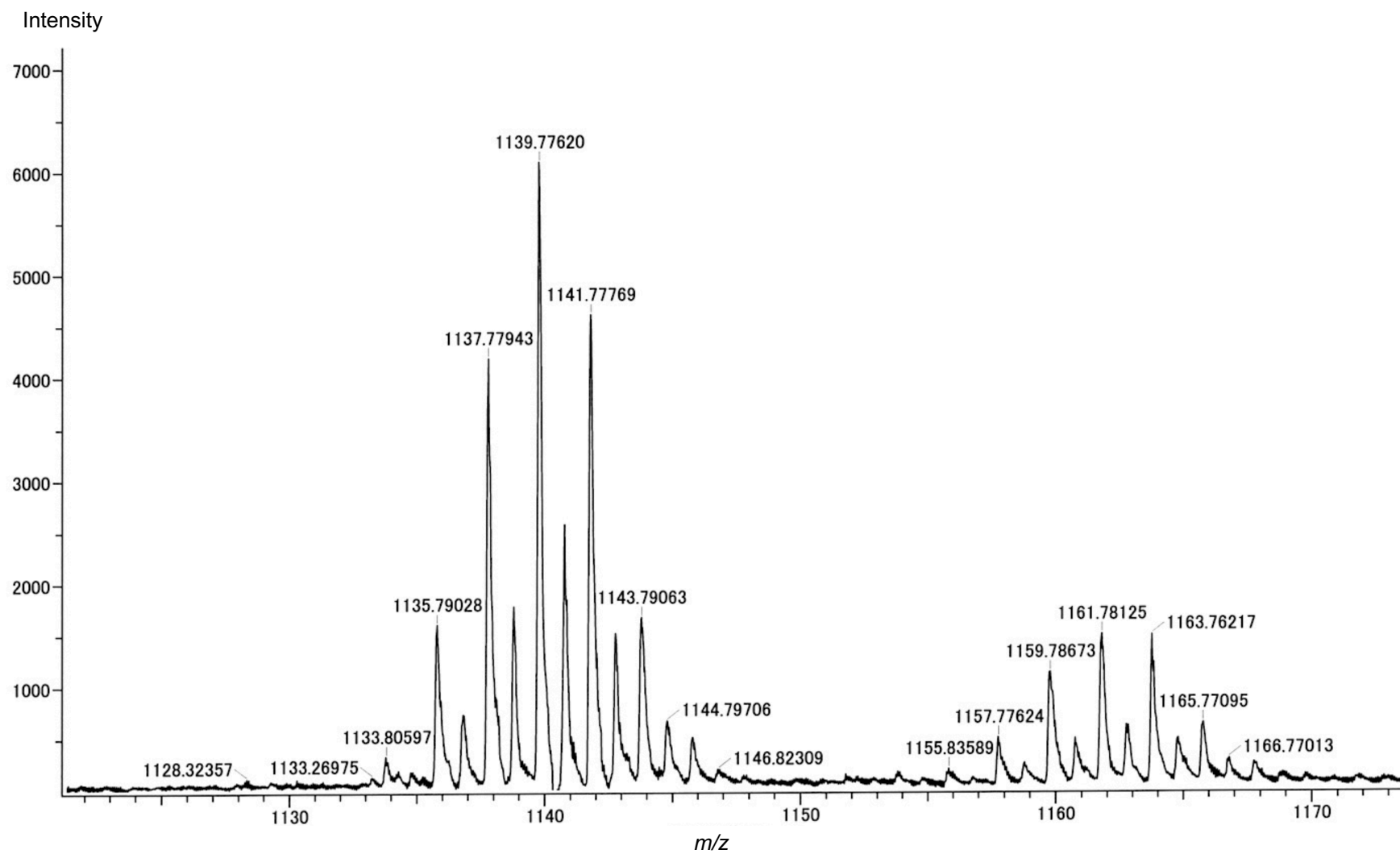
**Figure S17.** HMBC spectrum of ceratinadin F (**2**) in CD<sub>3</sub>OD (600 MHz).

**Figure S18.** ECD spectrum of ceratinadin F (**2**) in CH<sub>3</sub>OH.

**Figure S1.** ESIMS spectrum (positive ion mode) of ceratinadin E (**1**).



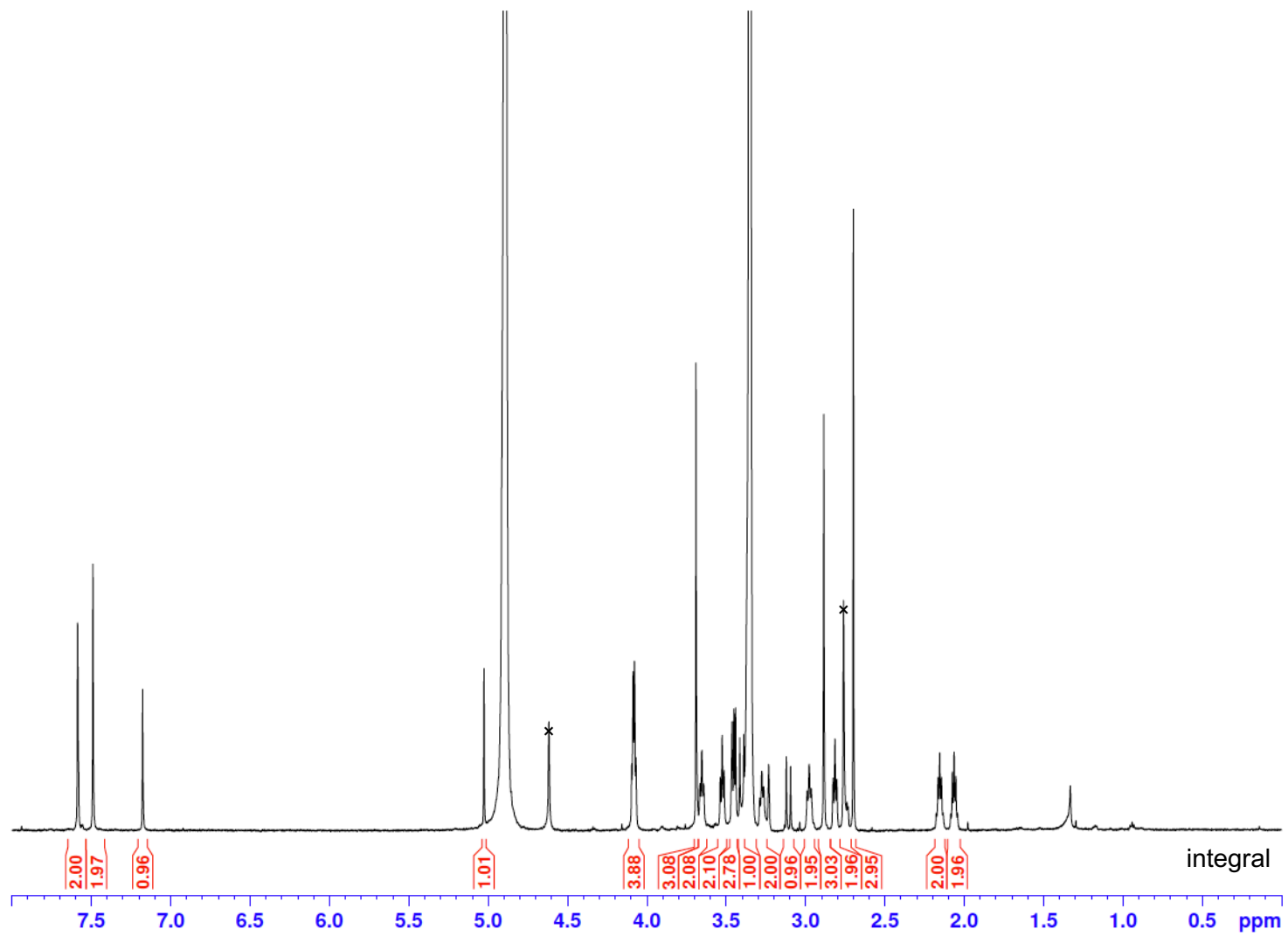
**Figure S2.** Expanded ESIMS spectrum (positive ion mode) of ceratinadin E (1).



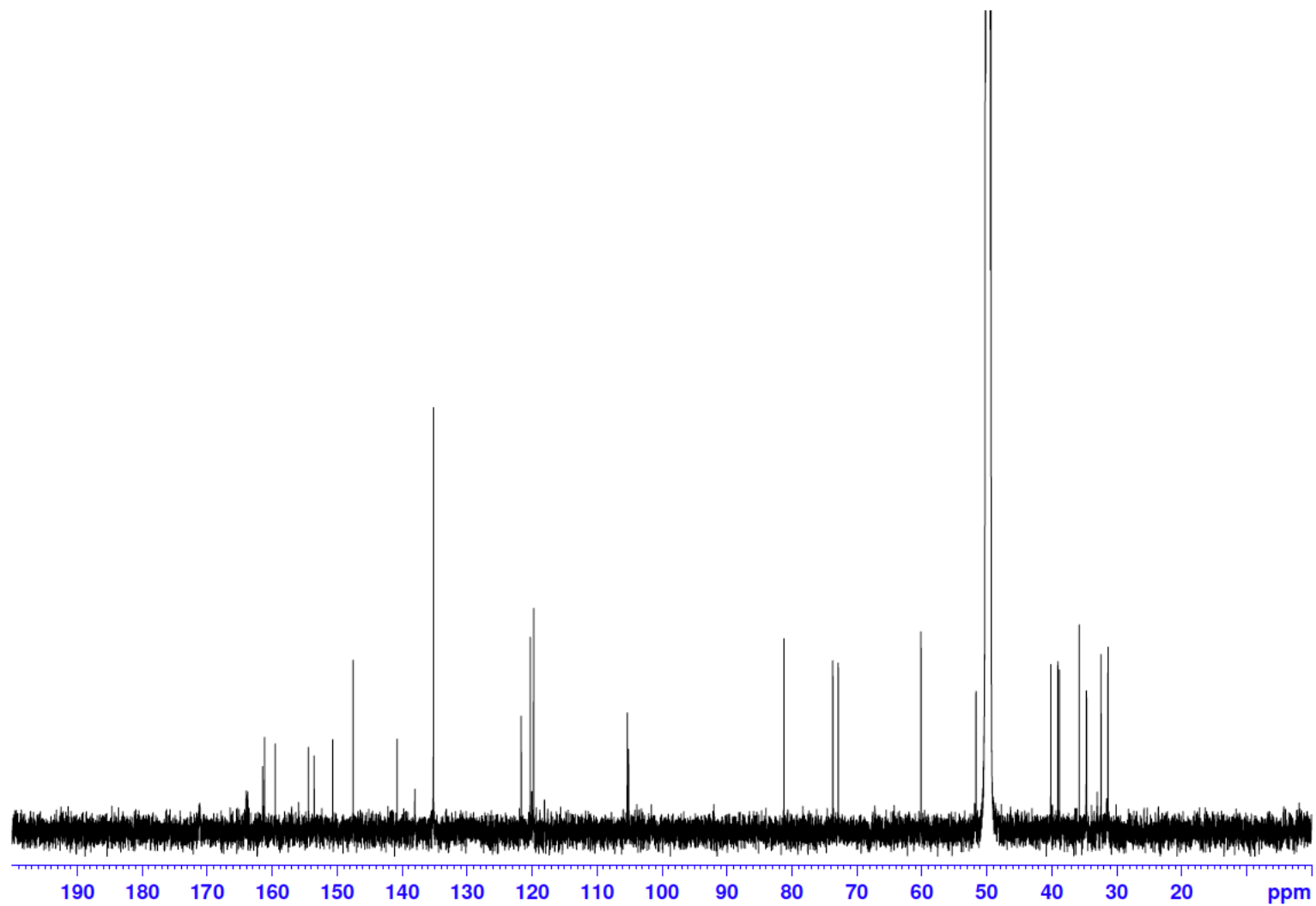
**Figure S3.** HRESIMS (positive) data of ceratinadin E (**1**).

<i>m/z</i>	Intensity	Theo. Mass	Delta (mmu)	Composition	RDB equiv.
1139.80628	184575.00	1139.80722	-0.94	$^{12}\text{C}_{35}^{1}\text{H}_{42}^{79}\text{Br}_3^{81}\text{Br}_3^{14}\text{N}_5^{16}\text{O}_8$	14.5

**Figure S4.**  $^1\text{H}$  NMR spectrum of ceratinadin E (**1**) in  $\text{CD}_3\text{OD}$  (600 MHz).



**Figure S5.**  $^{13}\text{C}$  NMR spectrum of ceratinadin E (**1**) in  $\text{CD}_3\text{OD}$  (150 MHz).



**Figure S6.**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of ceratinadin E (**1**) in  $\text{CD}_3\text{OD}$  (600 MHz).

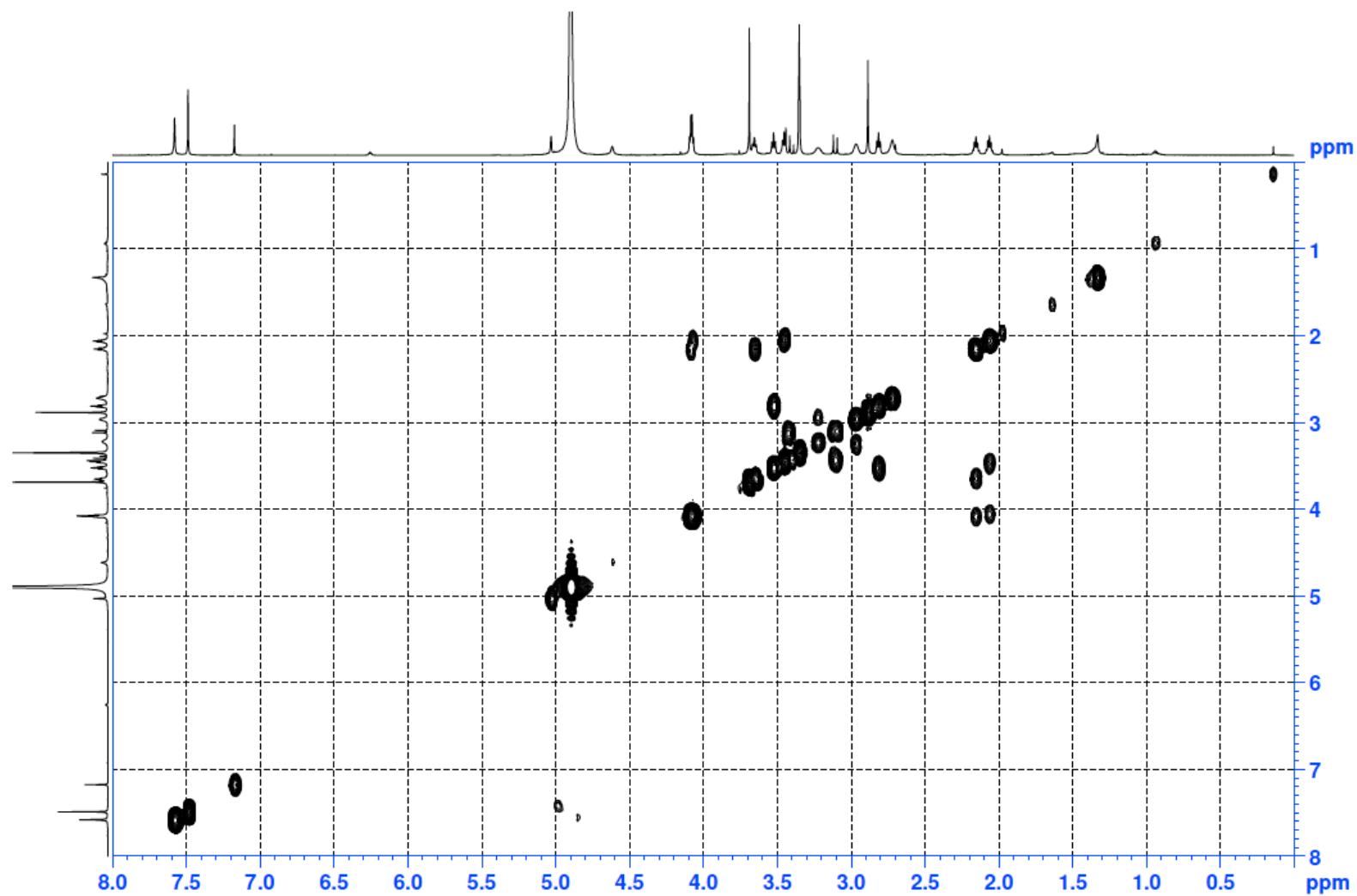


Figure S7. HSQC spectrum of ceratinadin E (1) in CD<sub>3</sub>OD (600 MHz).

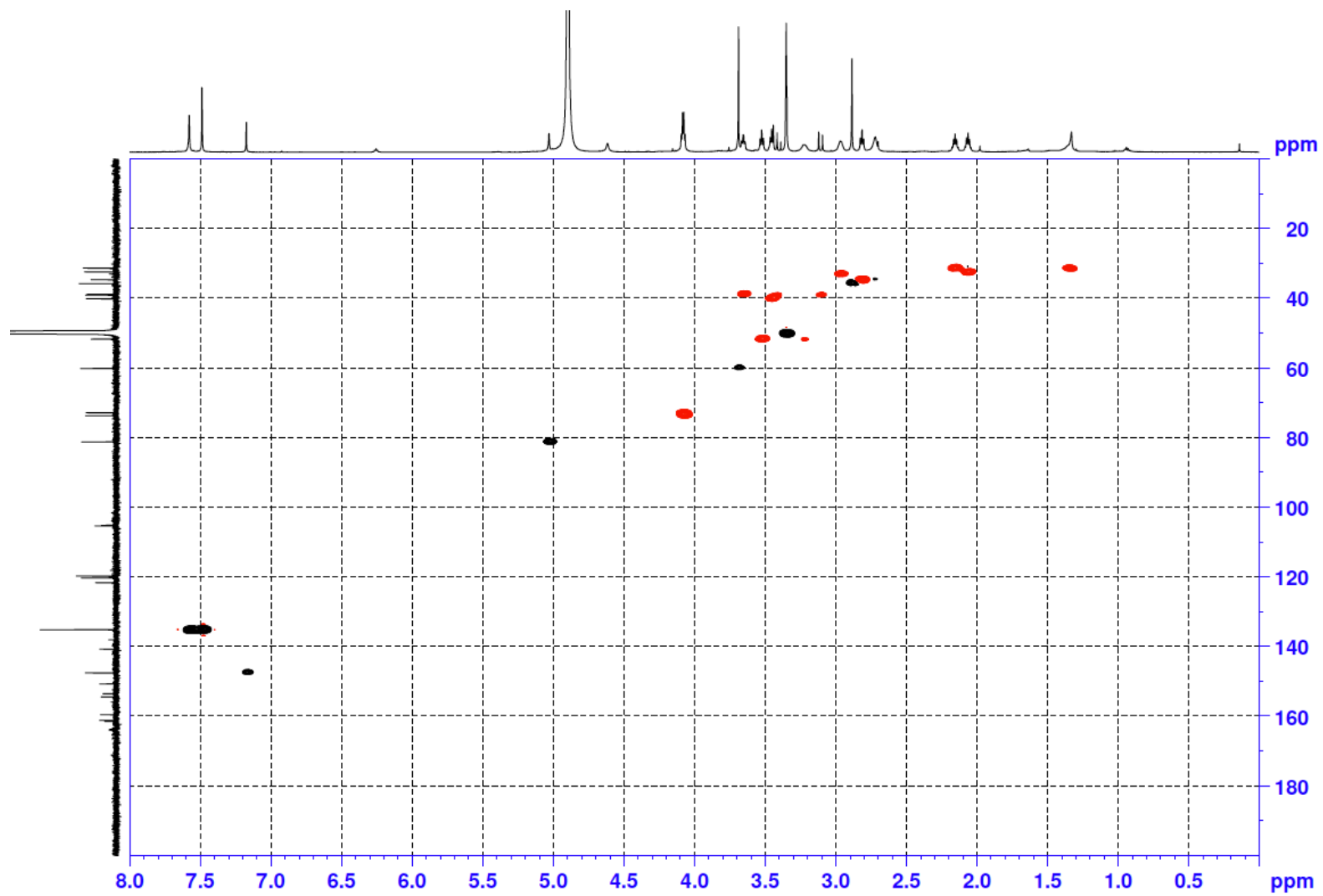
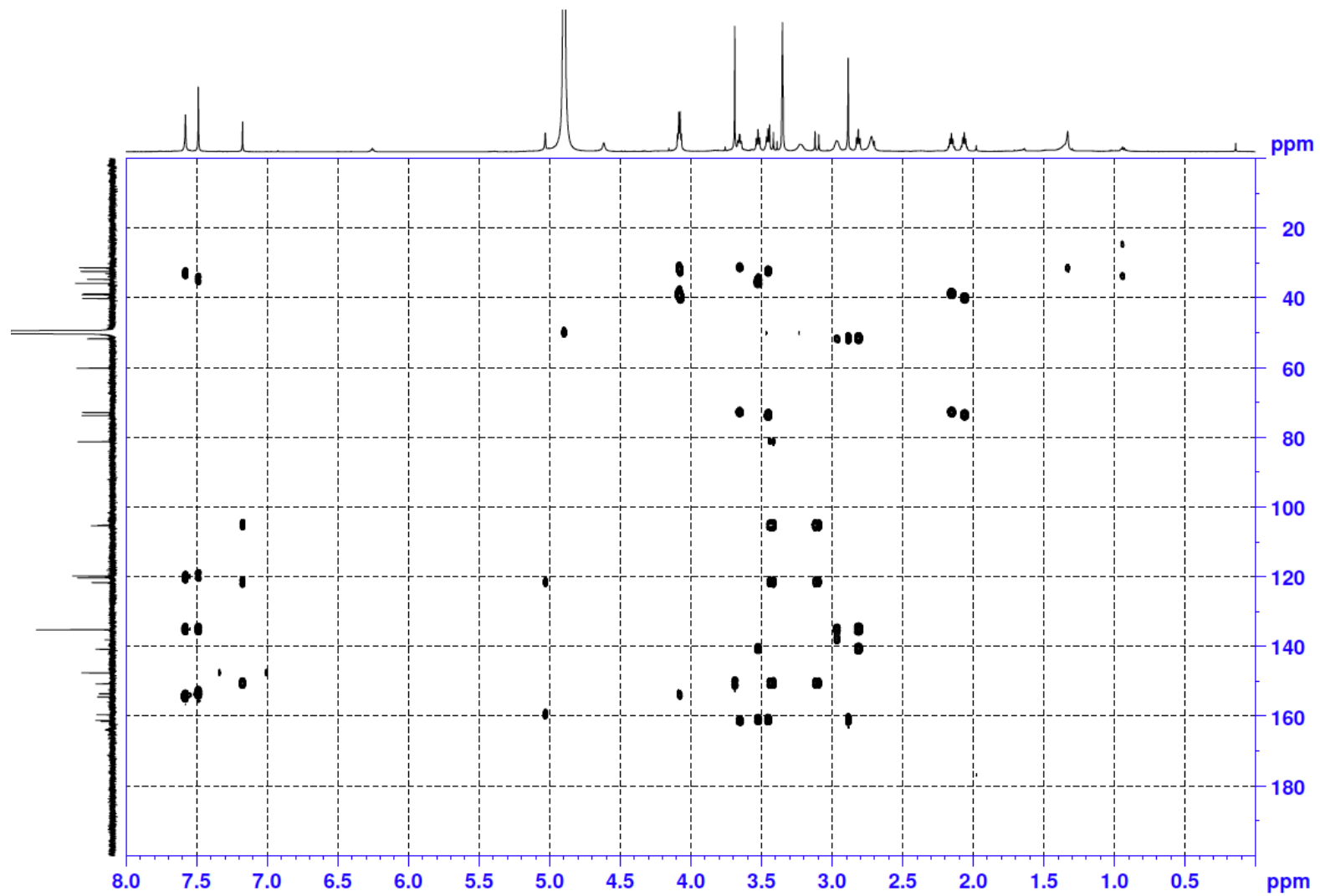
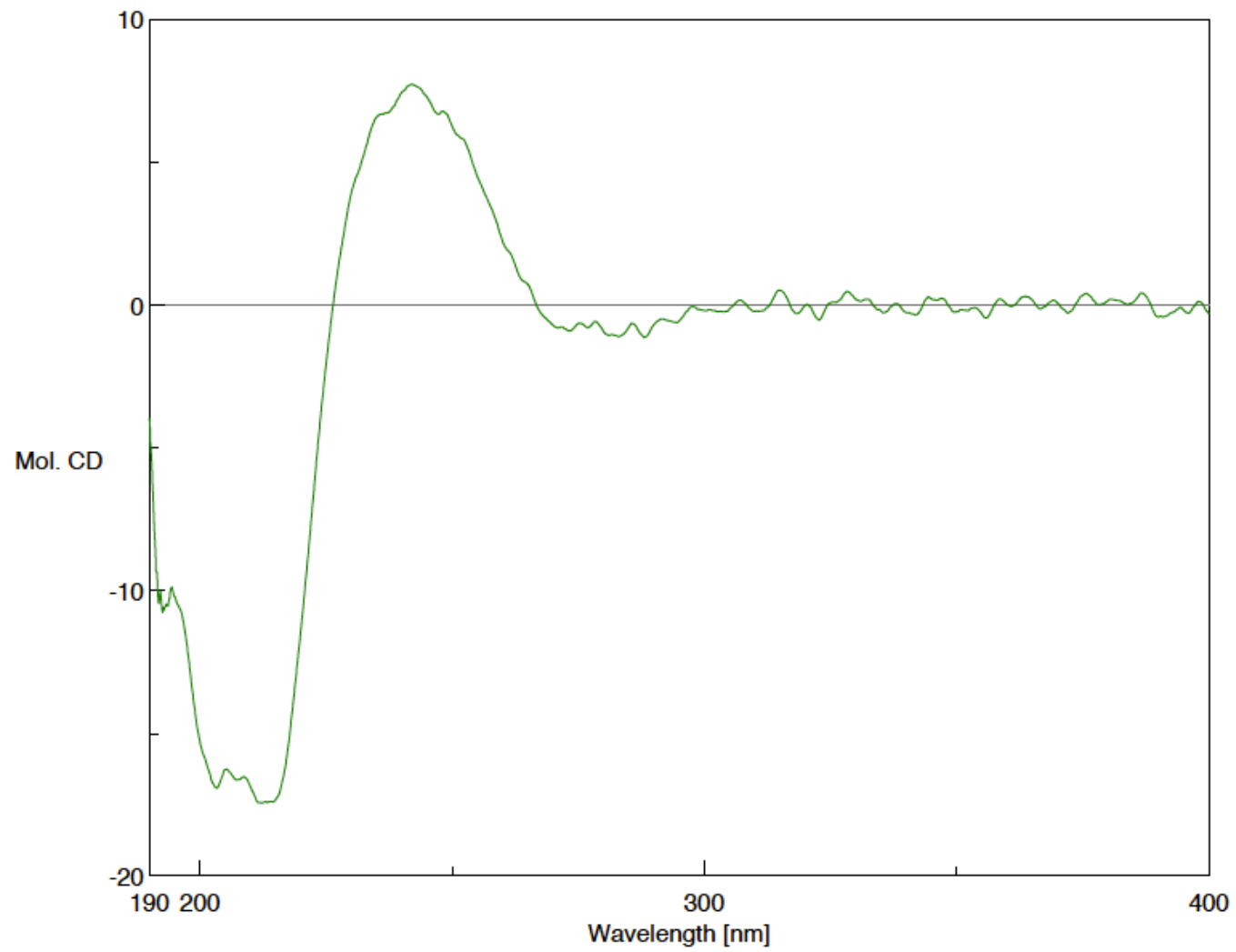




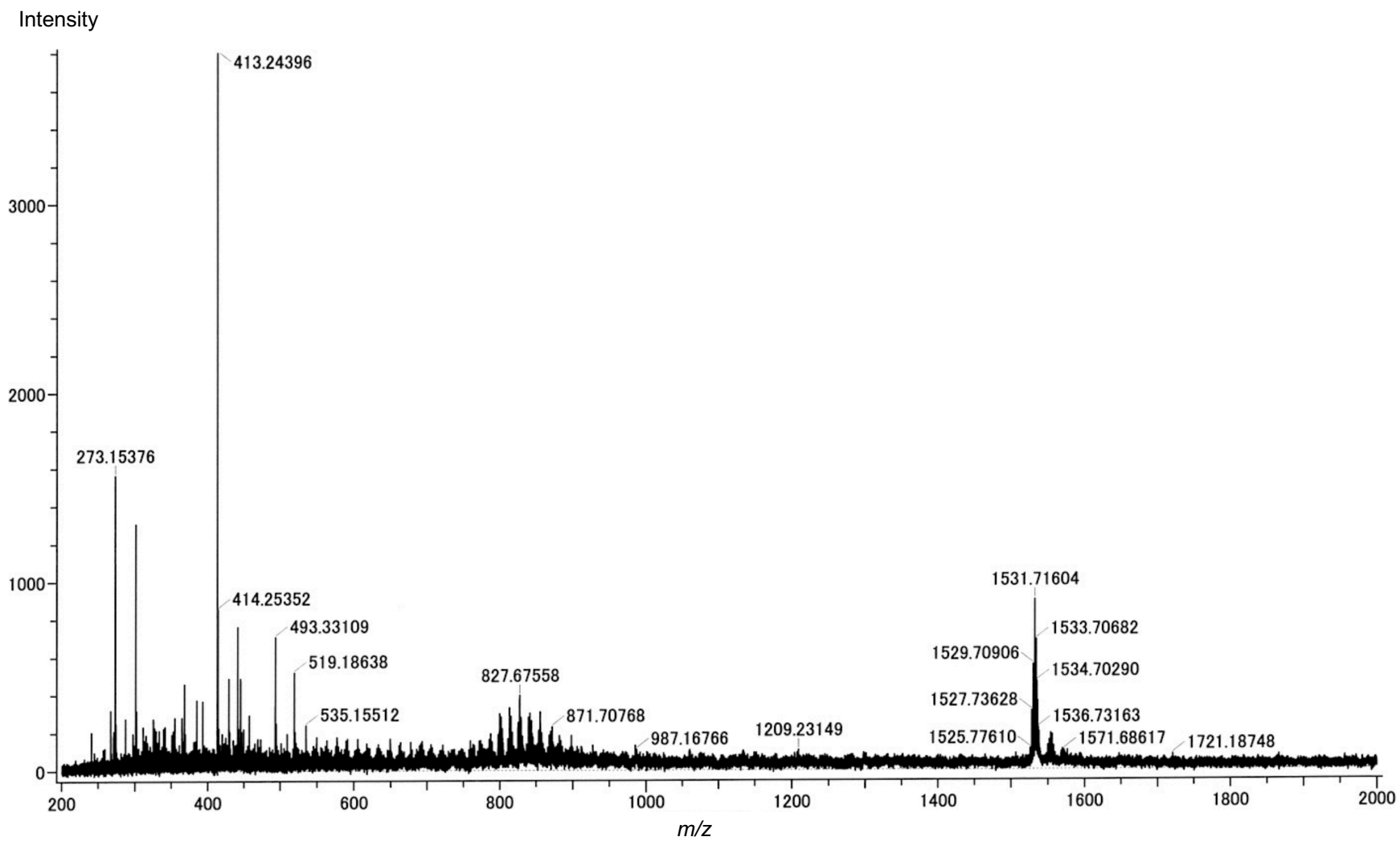
Figure S8. HMBC spectrum of ceratinadin E (1) in CD<sub>3</sub>OD (600 MHz).



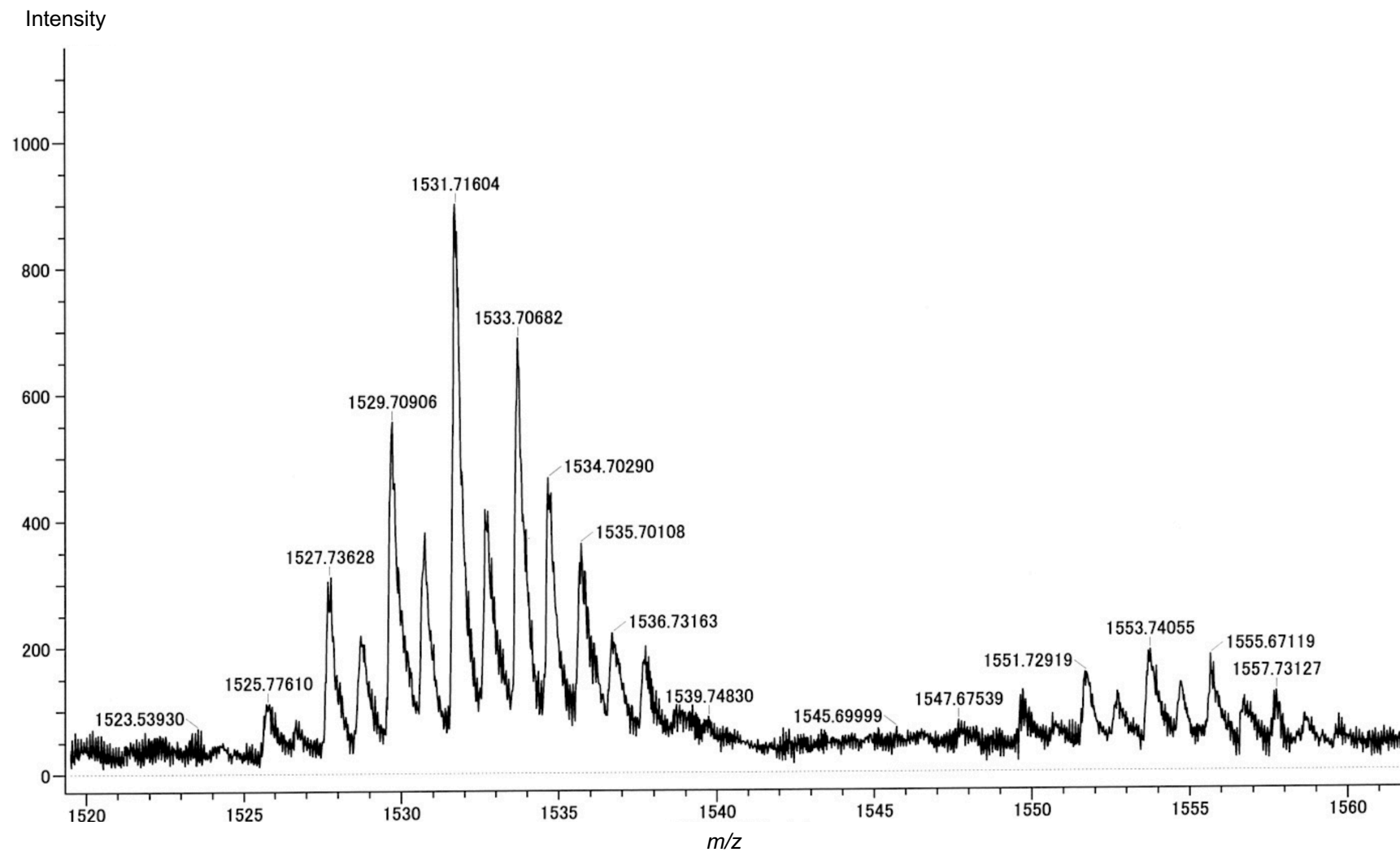
**Figure S9.** ECD spectrum of ceratinadin E (**1**) in CH<sub>3</sub>OH.



**Figure S10.** ESIMS spectrum (positive ion mode) of ceratinadin F (**2**).



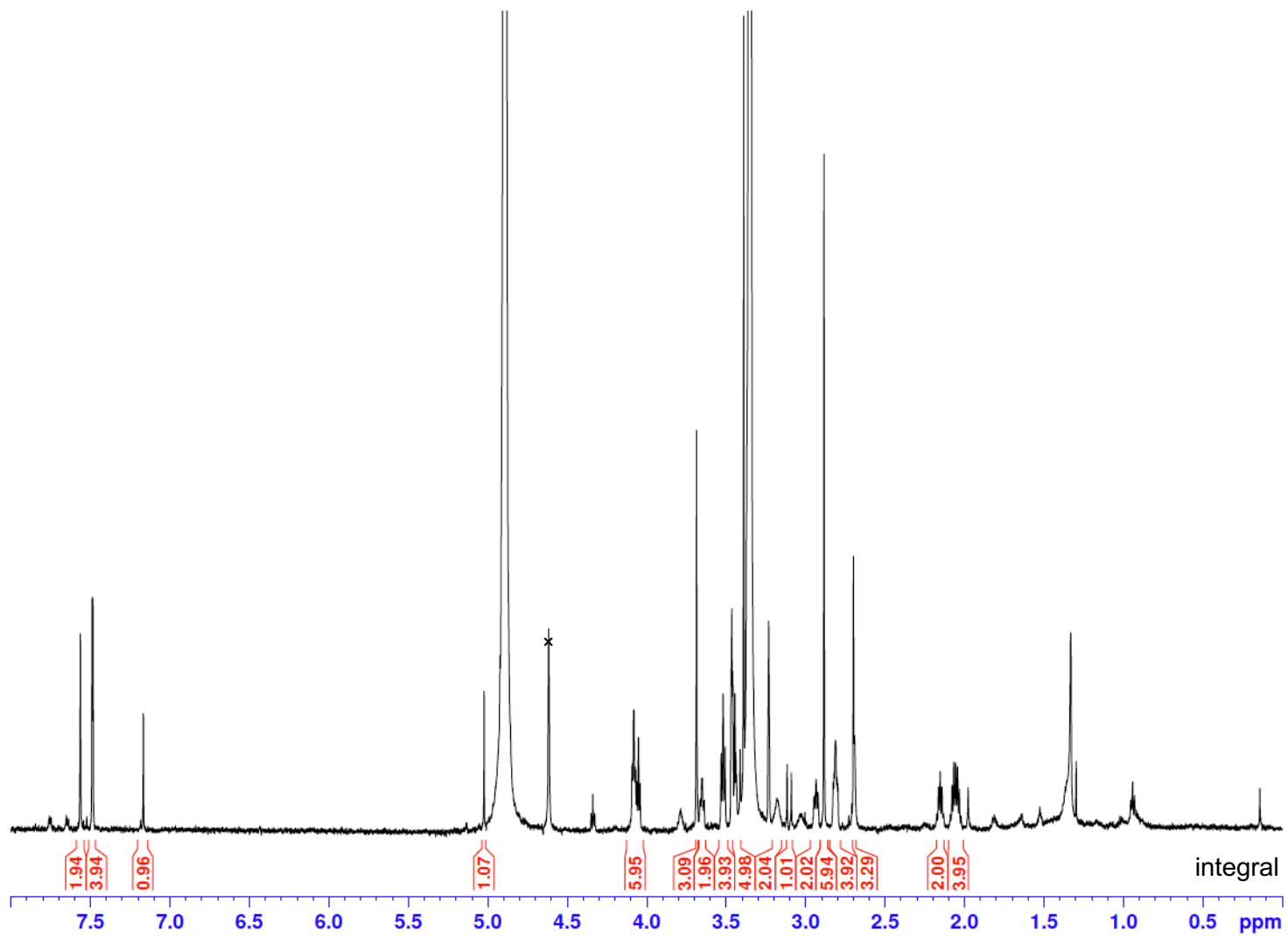
**Figure S11.** Expanded ESIMS spectrum (positive ion mode) of ceratinadin F (2).



**Figure S12.** HRESIMS (positive) data of ceratinadin F (2).

<i>m/z</i>	Intensity	Theo. Mass	Delta (mmu)	Composition	RDB equiv.
1531.76647	508623.19	1531.76303	3.43	$^{12}\text{C}_{48}^{1}\text{H}_{58}^{79}\text{Br}_4^{81}\text{Br}_4^{14}\text{N}_7^{16}\text{O}_{10}$	19.5

**Figure S13.**  $^1\text{H}$  NMR spectrum of ceratinadin F (**2**) in  $\text{CD}_3\text{OD}$  (600 MHz).



**Figure S14.**  $^{13}\text{C}$  NMR spectrum of ceratinadin F (**2**) in  $\text{CD}_3\text{OD}$  (150 MHz).

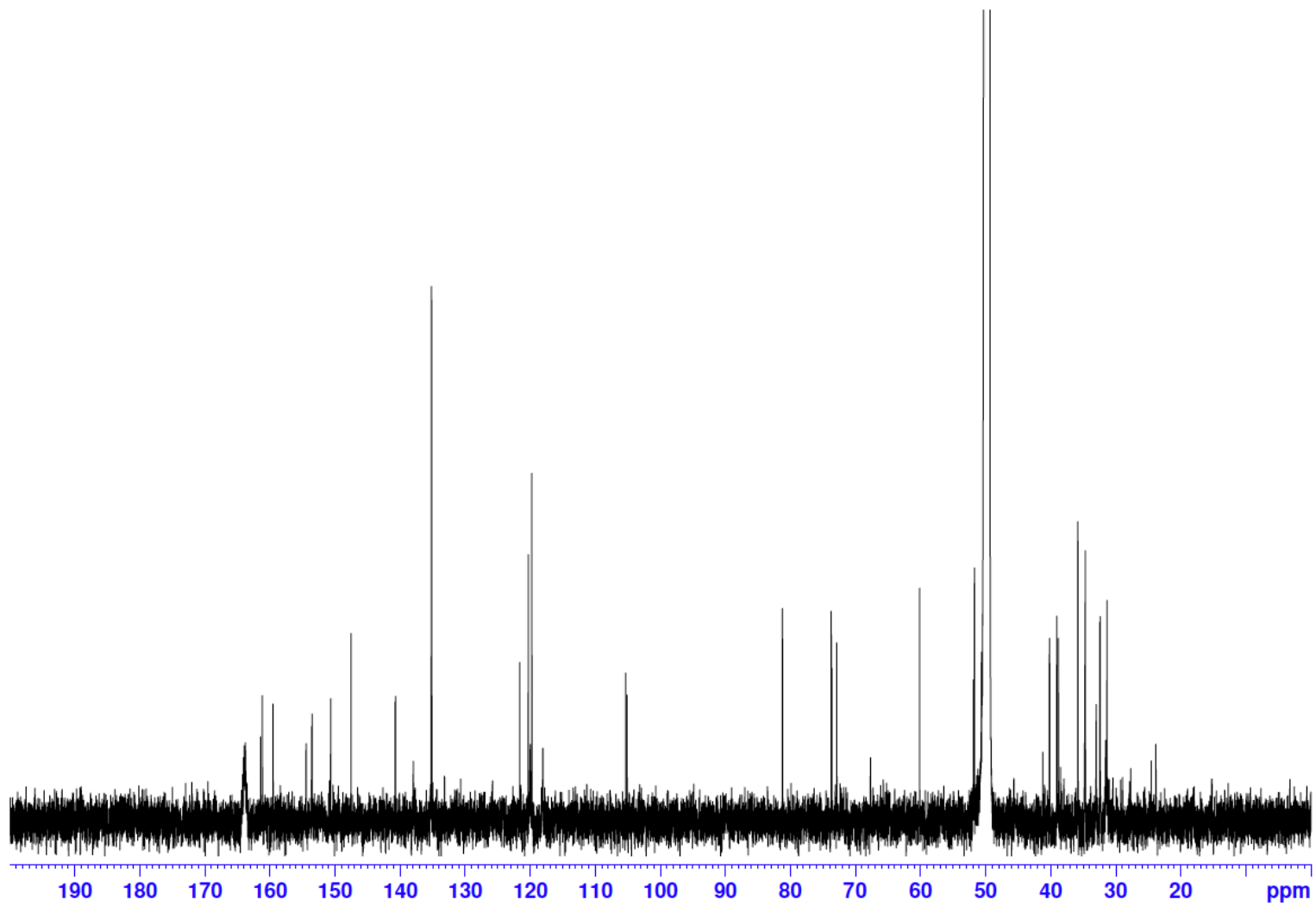


Figure S15.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of ceratinadin F (**2**) in  $\text{CD}_3\text{OD}$  (600 MHz).

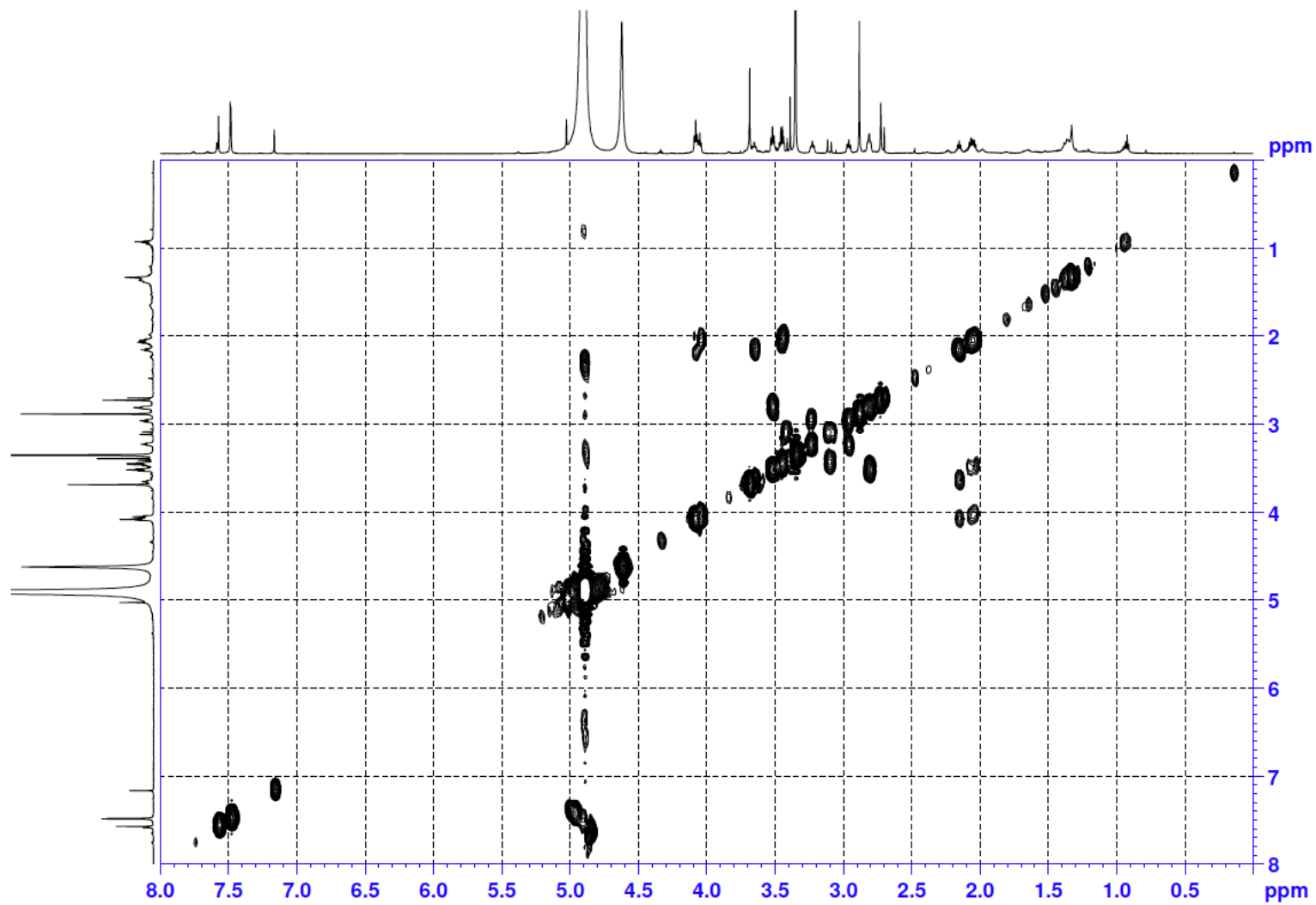




Figure S16. HSQC spectrum of ceratinadin F (2) in CD<sub>3</sub>OD (600 MHz).

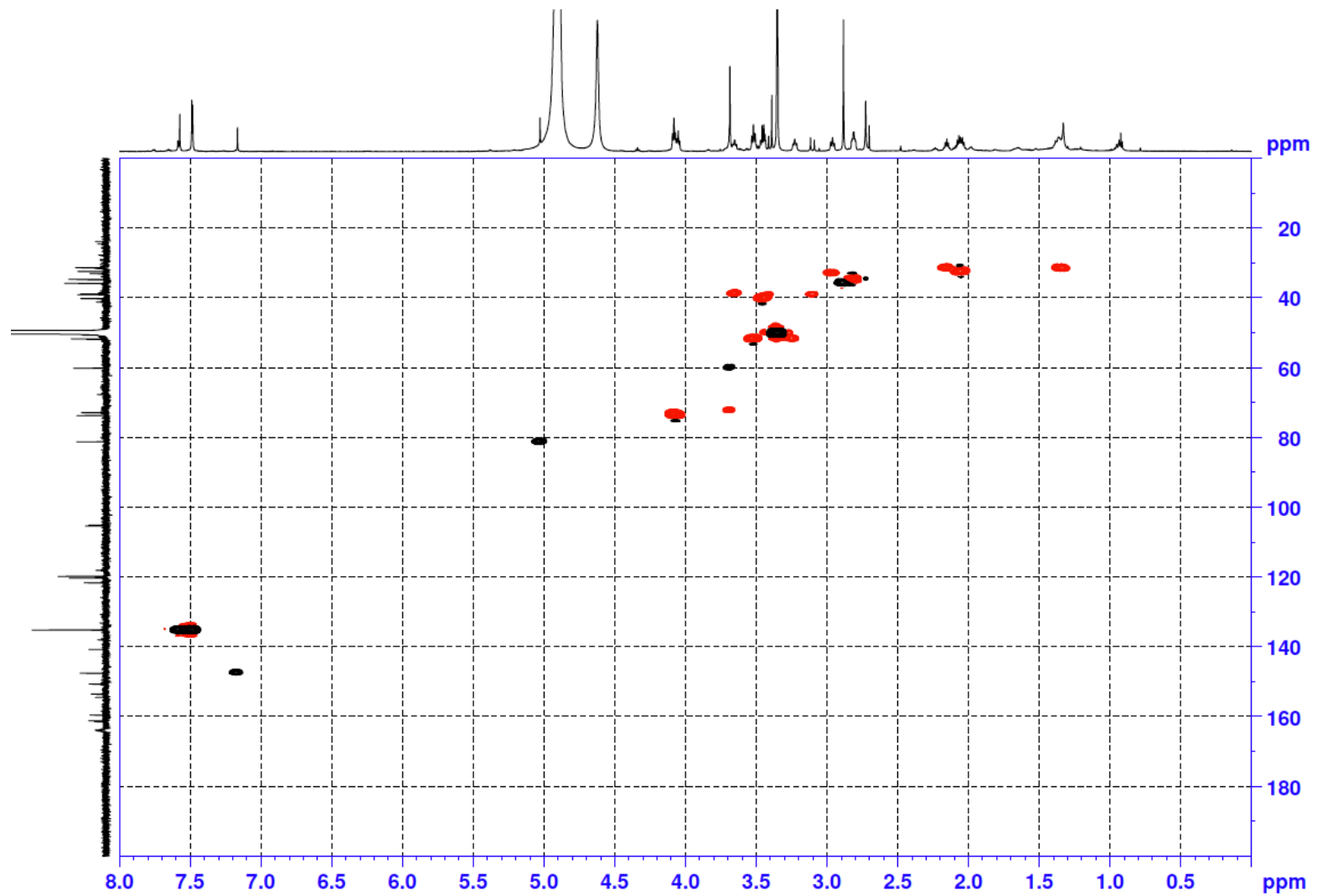
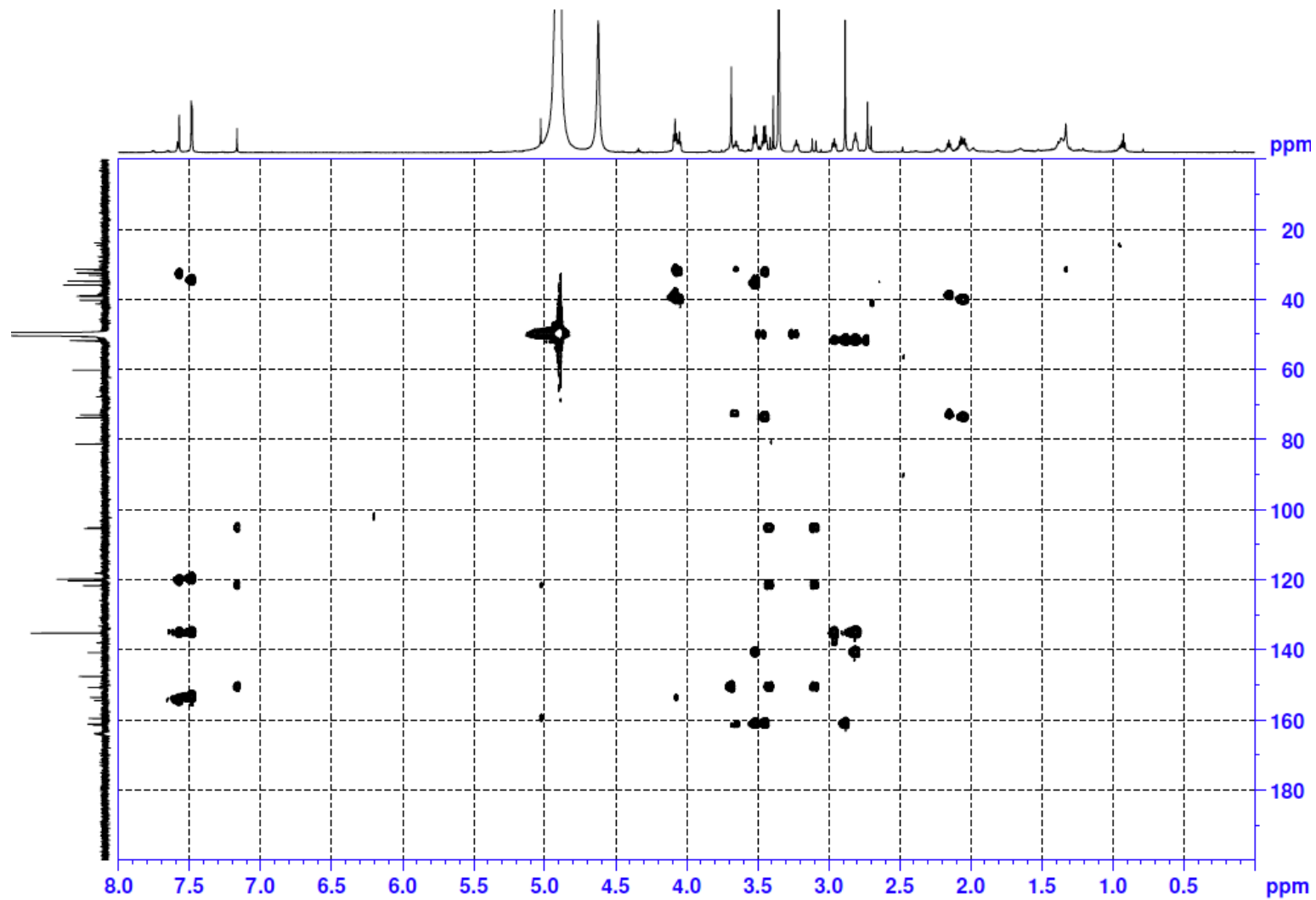


Figure S17. HMBC spectrum of ceratinadin F (2) in CD<sub>3</sub>OD (600 MHz).



**Figure S18.** ECD spectrum of ceratinadin F (**2**) in CH<sub>3</sub>OH.

