

## Electronic supplementary information

### Epoxy amino acids produced from allylglycines intramolecularly cyclised to yield four stereoisomers of 4-hydroxyproline derivatives

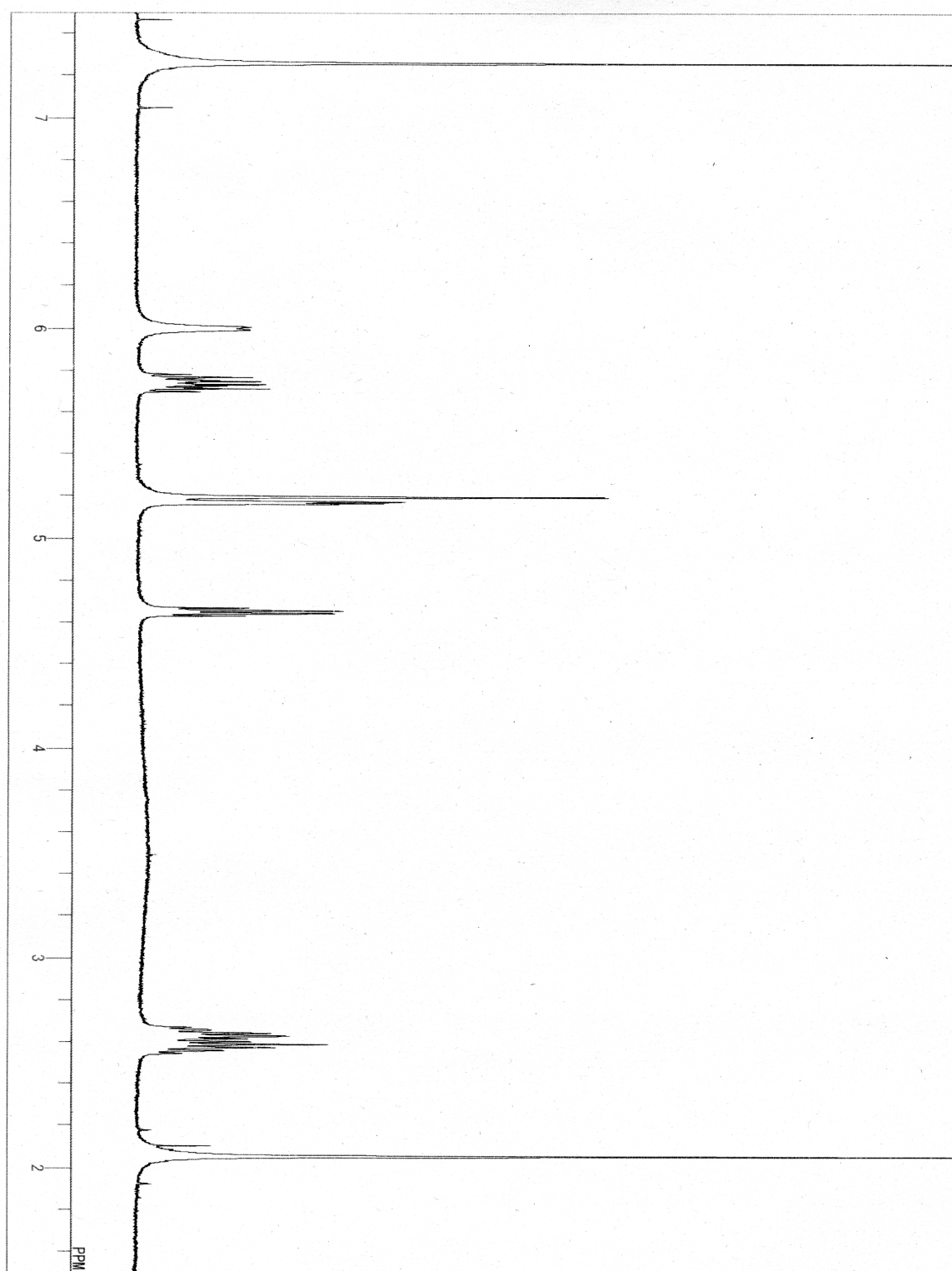
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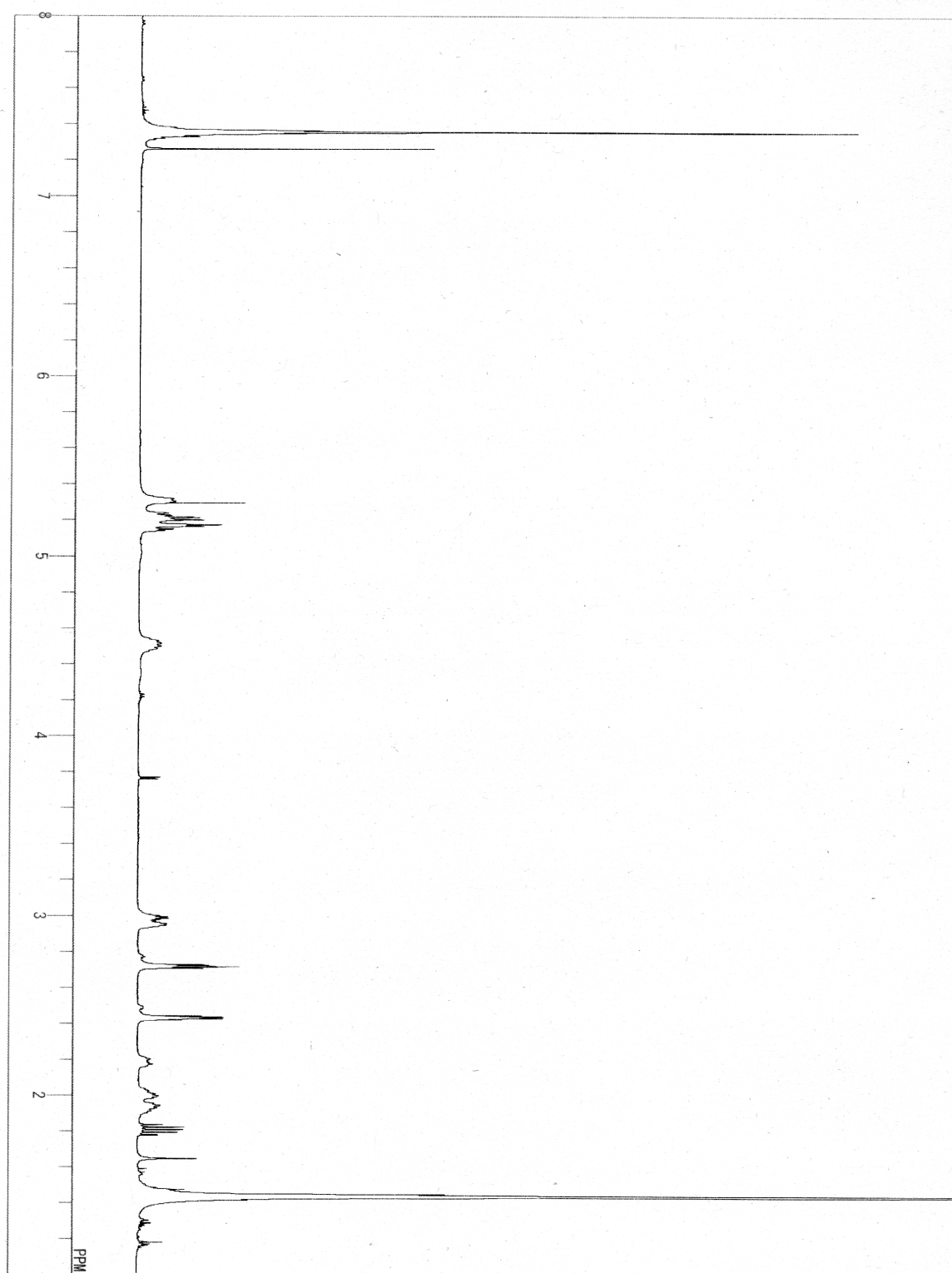
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**Fig. S1**  $^1\text{H}$  NMR spectrum of **3** in  $\text{CDCl}_3$ .



**Fig. S2**  $^1\text{H}$  NMR (1D) spectrum of (2S)-6 in  $\text{CDCl}_3$ .

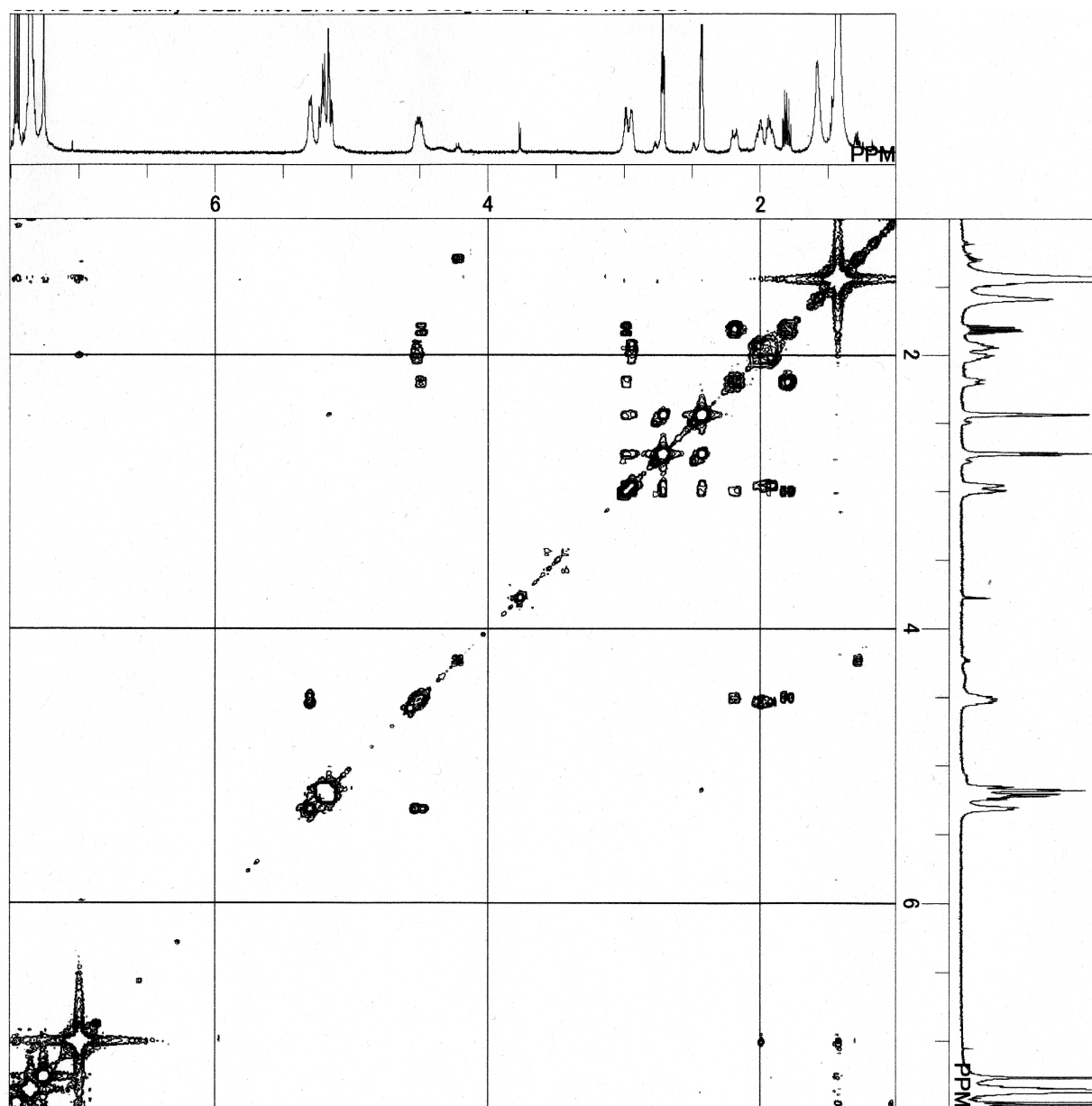


Fig. S3  $^1\text{H}$  NMR (2D-COSY) spectrum of (2*S*)-**6** in  $\text{CDCl}_3$ .



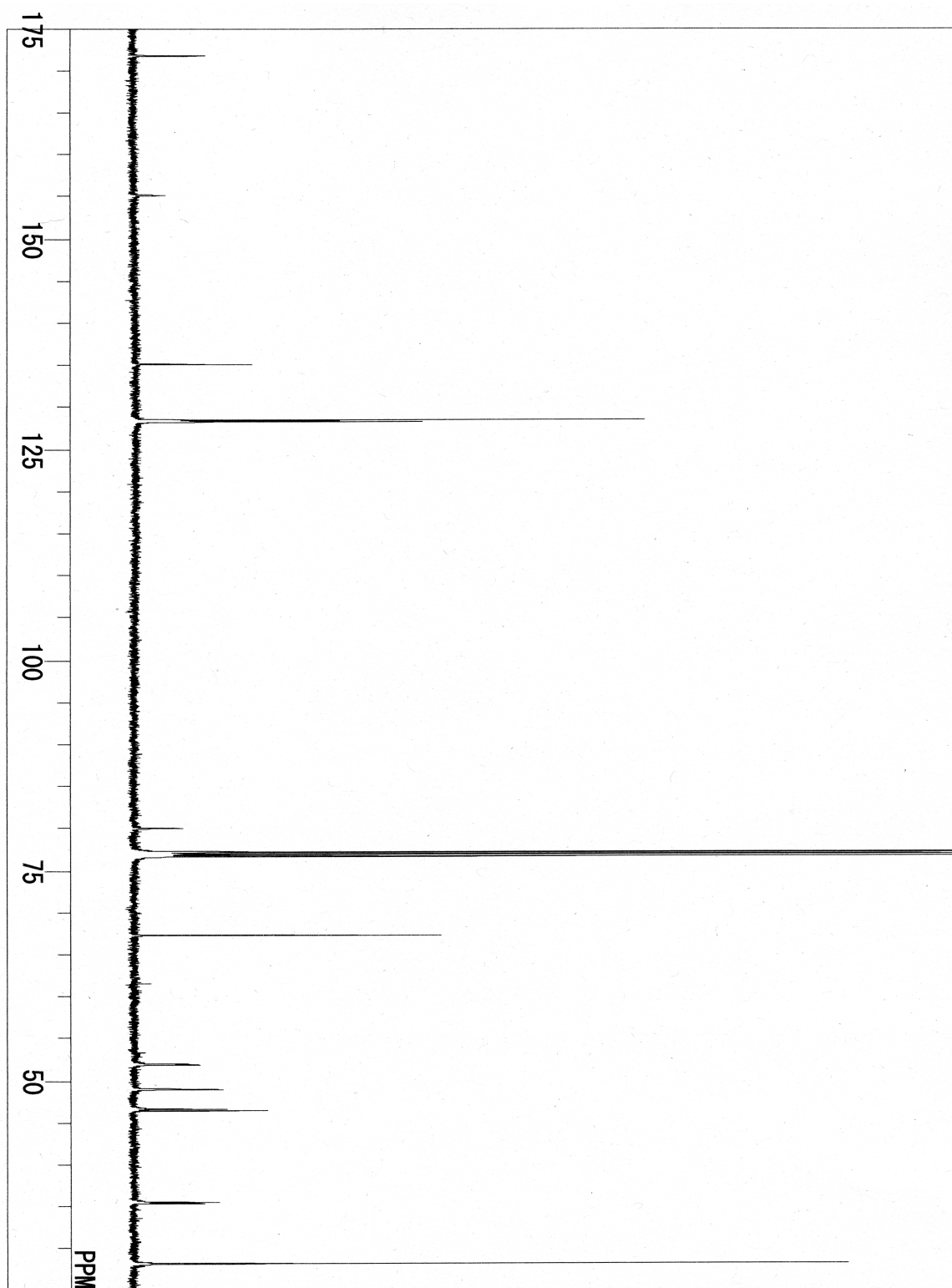
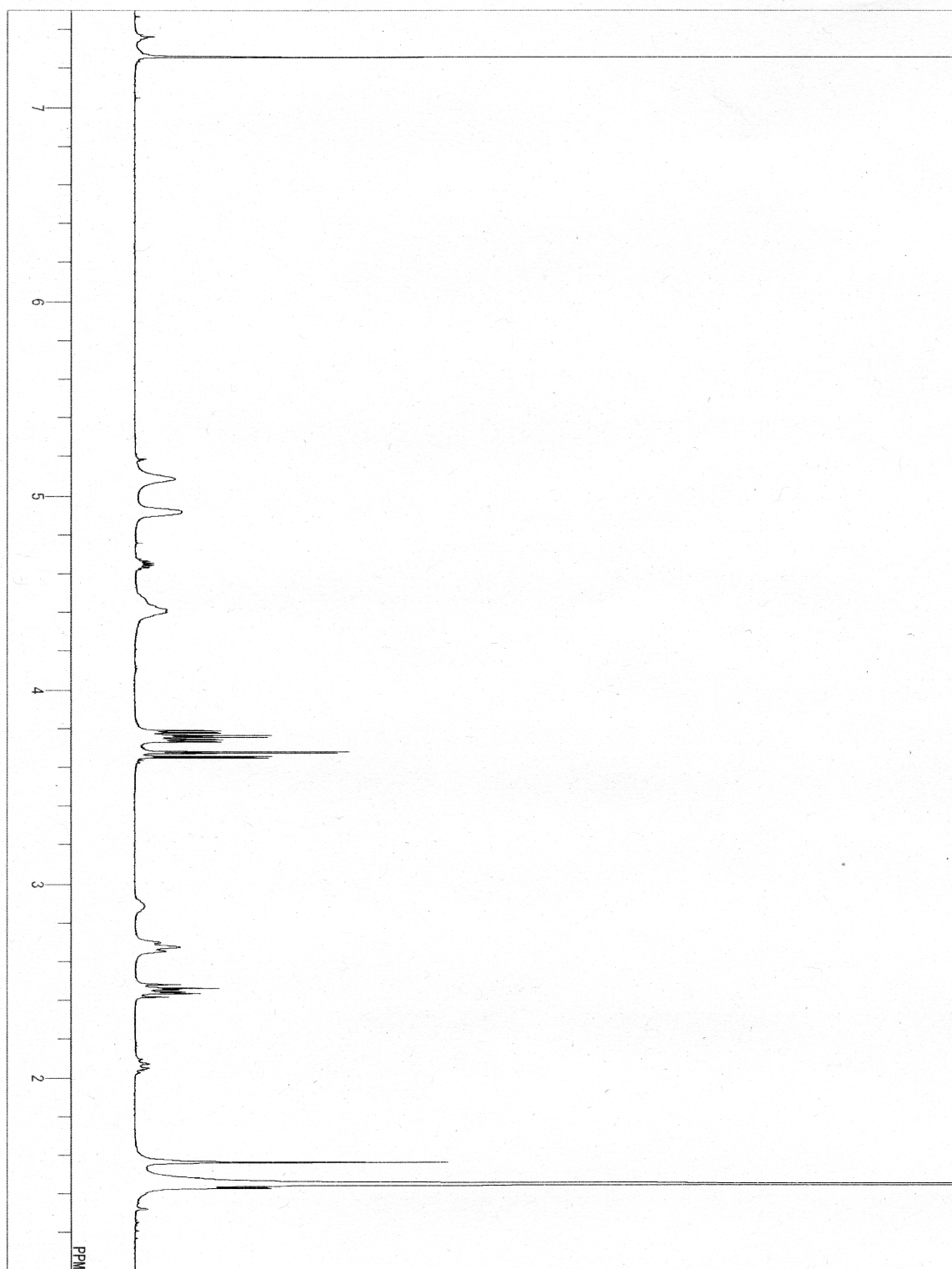
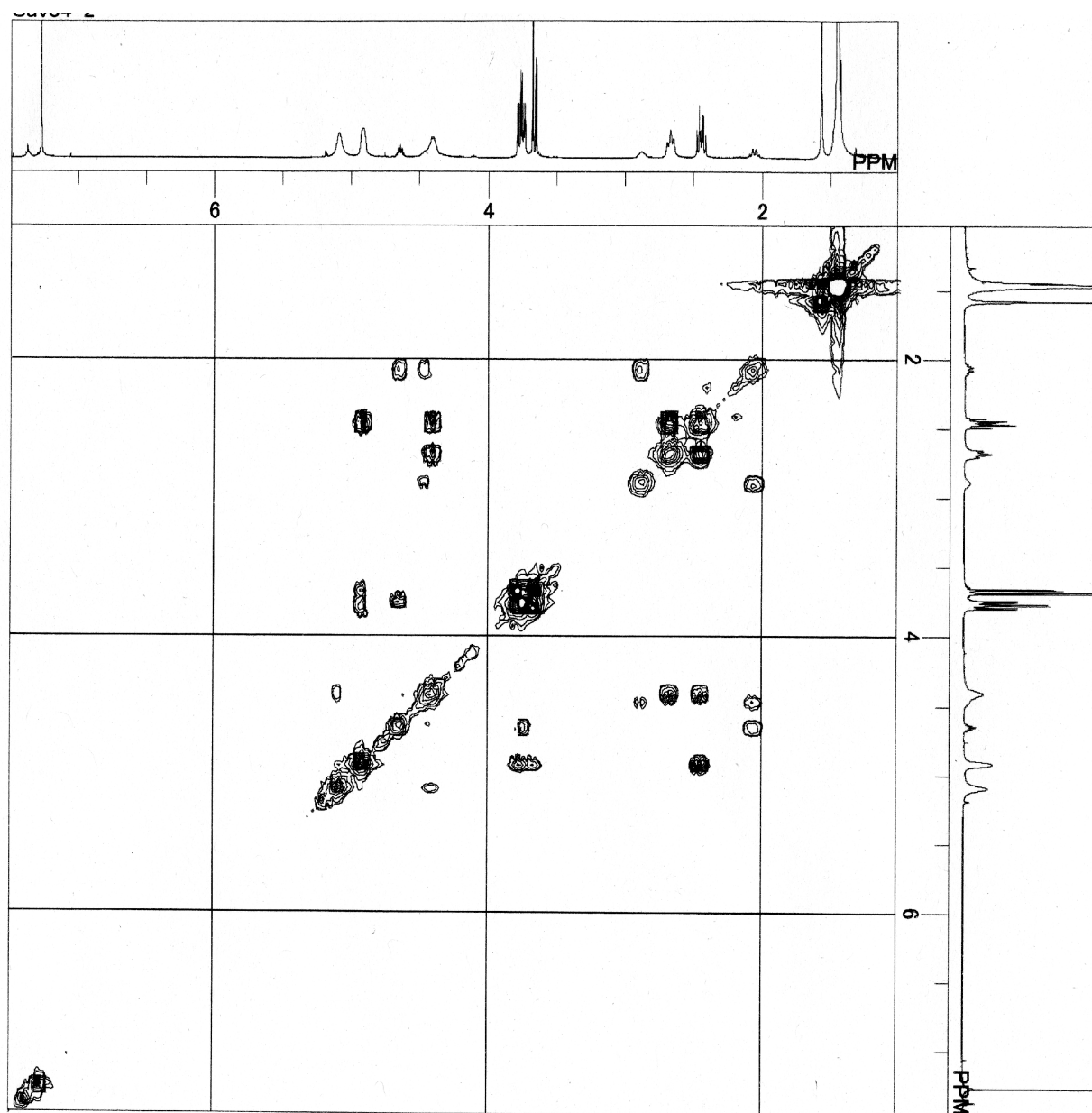


Fig. S4  $^{13}\text{C}$  NMR spectrum of (2*S*)-6 in  $\text{CDCl}_3$ .

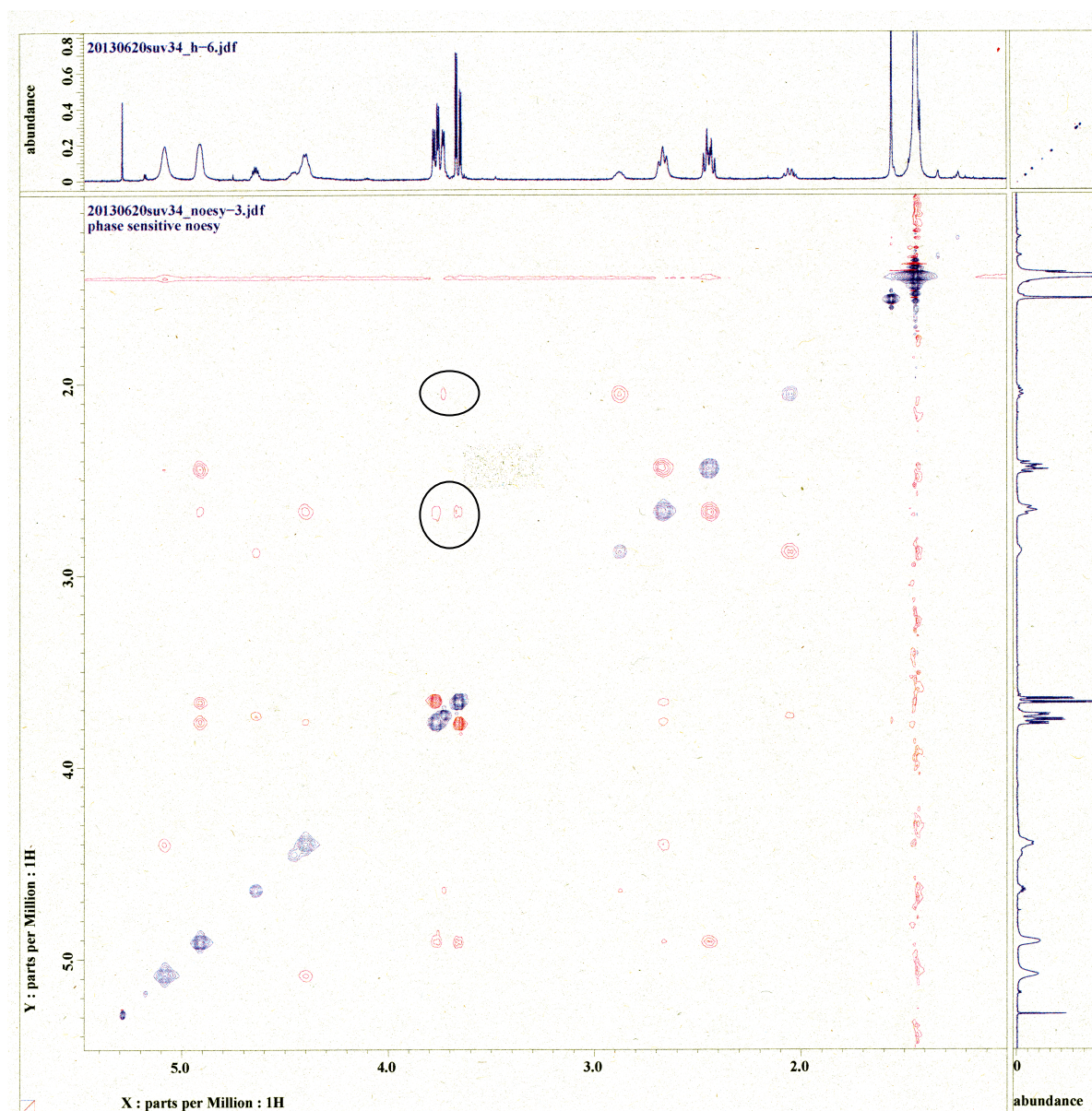


**Fig. S5**  $^1\text{H}$  NMR (1D) spectrum of **10** in  $\text{CDCl}_3$ .

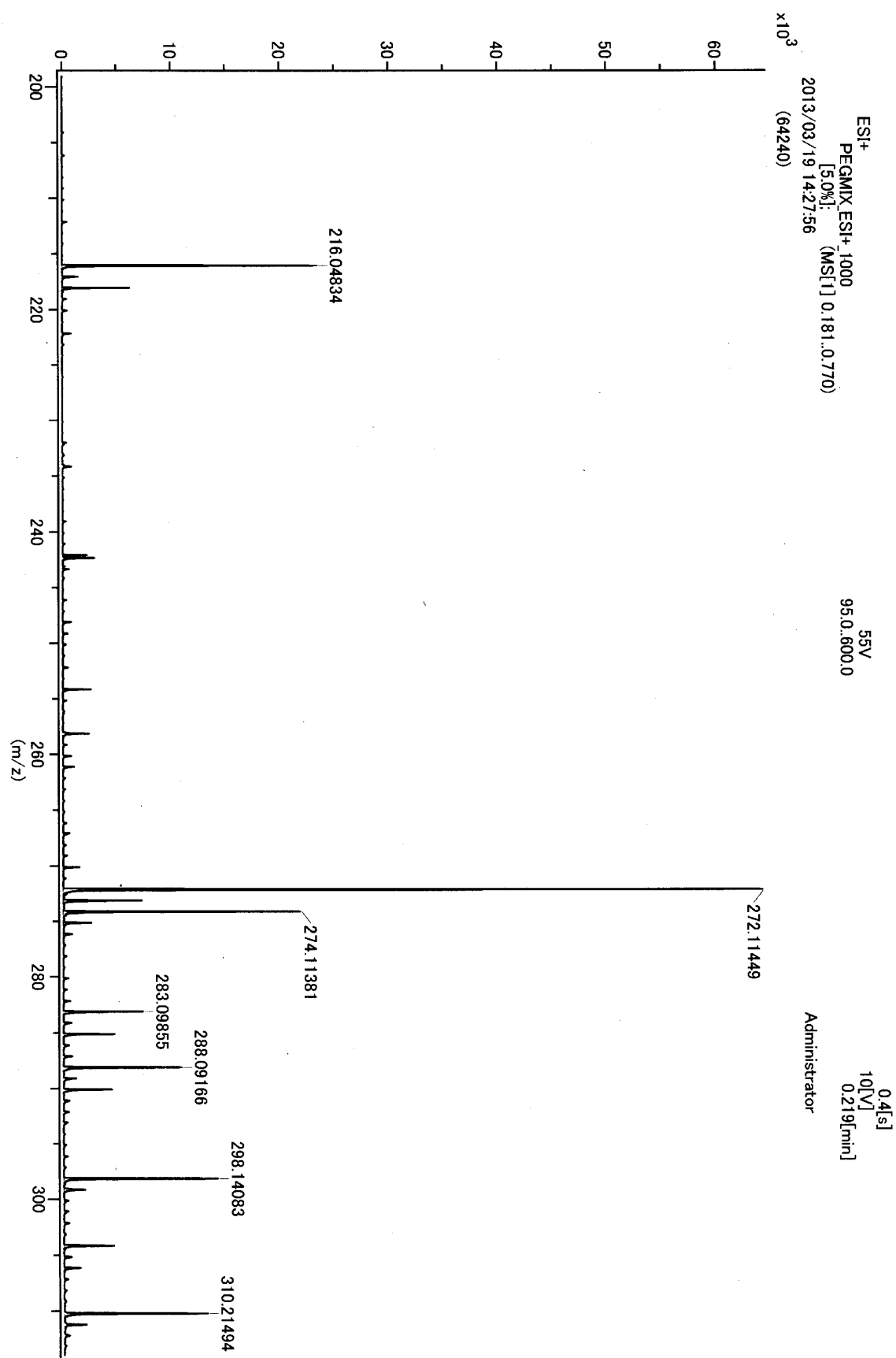


**Fig. S6**  $^1\text{H}$  NMR (2D-COSY) spectrum of **10** in  $\text{CDCl}_3$ .





**Fig. S7**  $^1\text{H}$  NMR (2D-NOESY) spectrum of **10** in  $\text{CDCl}_3$ .  
NOE signals were marked with circles



**Fig. S8** ESI mass spectrum of **10** (in CH<sub>3</sub>OH).



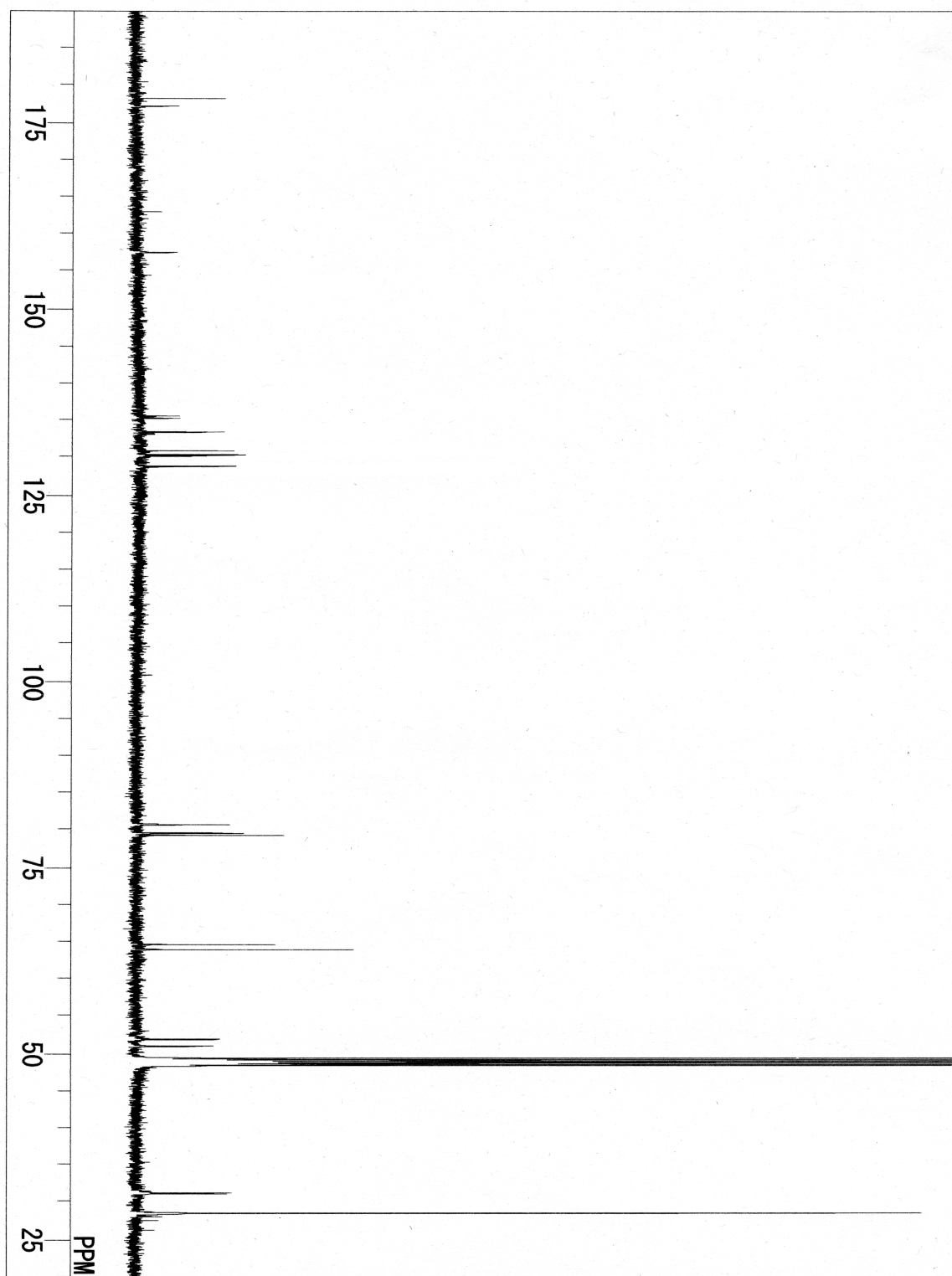
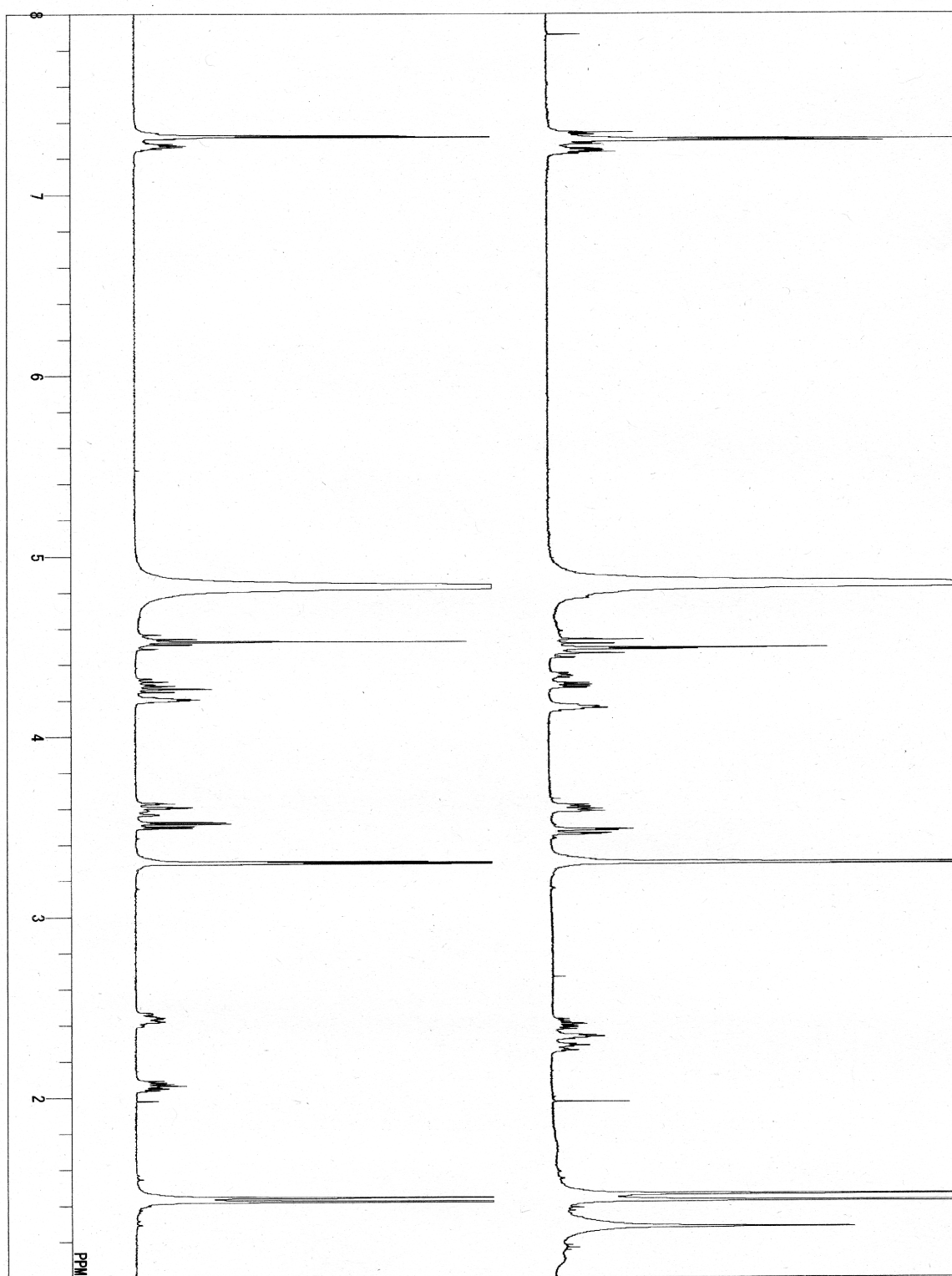
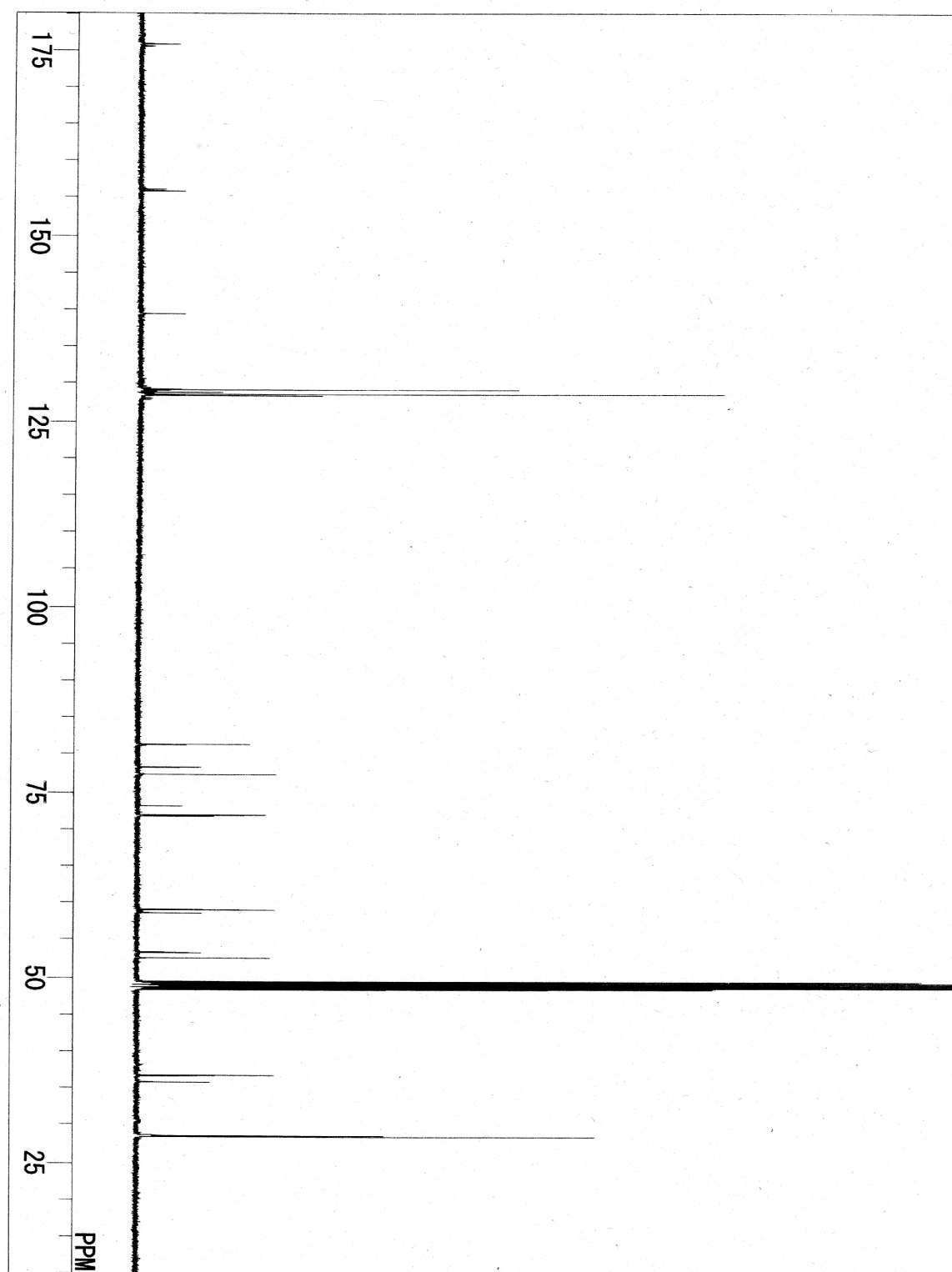


Fig. S9  $^{13}\text{C}$  NMR spectrum of **11** in  $\text{CD}_3\text{OD}$ .



**Fig. S10**  $^1\text{H}$  NMR spectra of (up) **14** and (down)  $(2S,4R)$ -*N*-Boc-4-benzyloxyproline in  $\text{CD}_3\text{OD}$ .



**Fig. S11**  $^{13}\text{C}$  NMR spectrum of **14** in  $\text{CD}_3\text{OD}$ .