

Supplementary

Figure S1. Inhibitory effect of isocorydione (**2**) on murine sarcoma S₁₈₀-bearing mice (A, blank control group; B, 50 mg/kg group; C, 100 mg/kg group; D, 200 mg/kg group; E, CTX group).

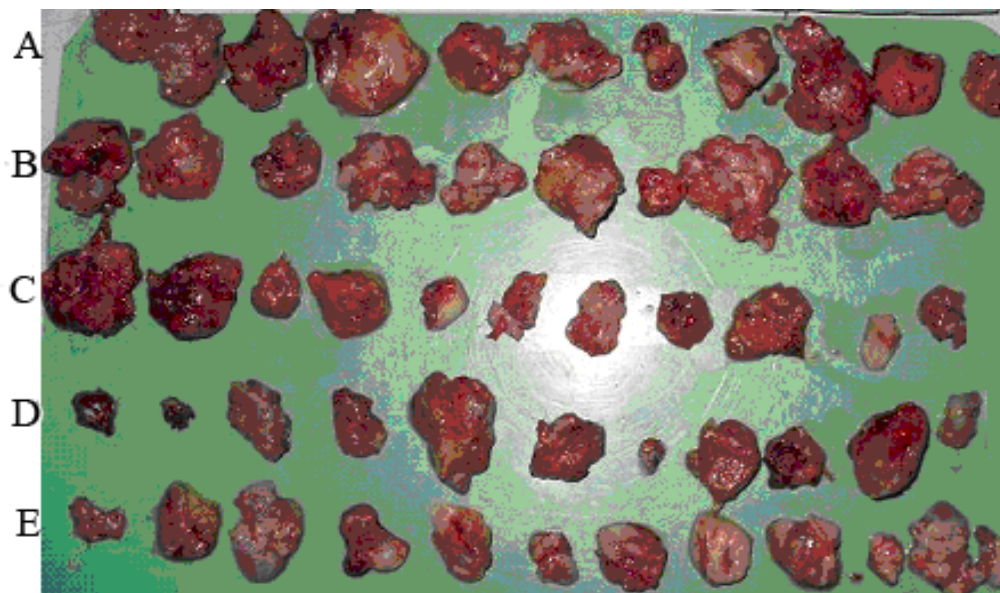


Figure S2. Inhibitory effect of 8-acetamino-isocorydine (**11**) on murine sarcoma S₁₈₀-bearing mice (A, blank control group; B, CTX group; C, 50 mg/kg group; D, 100 mg/kg group; E, 200 mg/kg group).

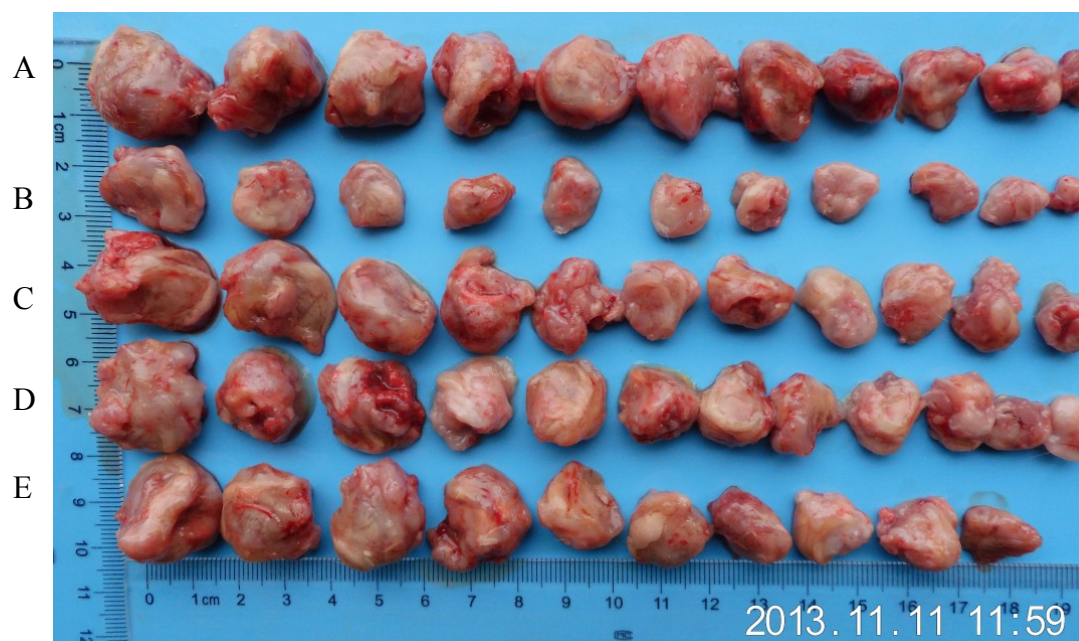


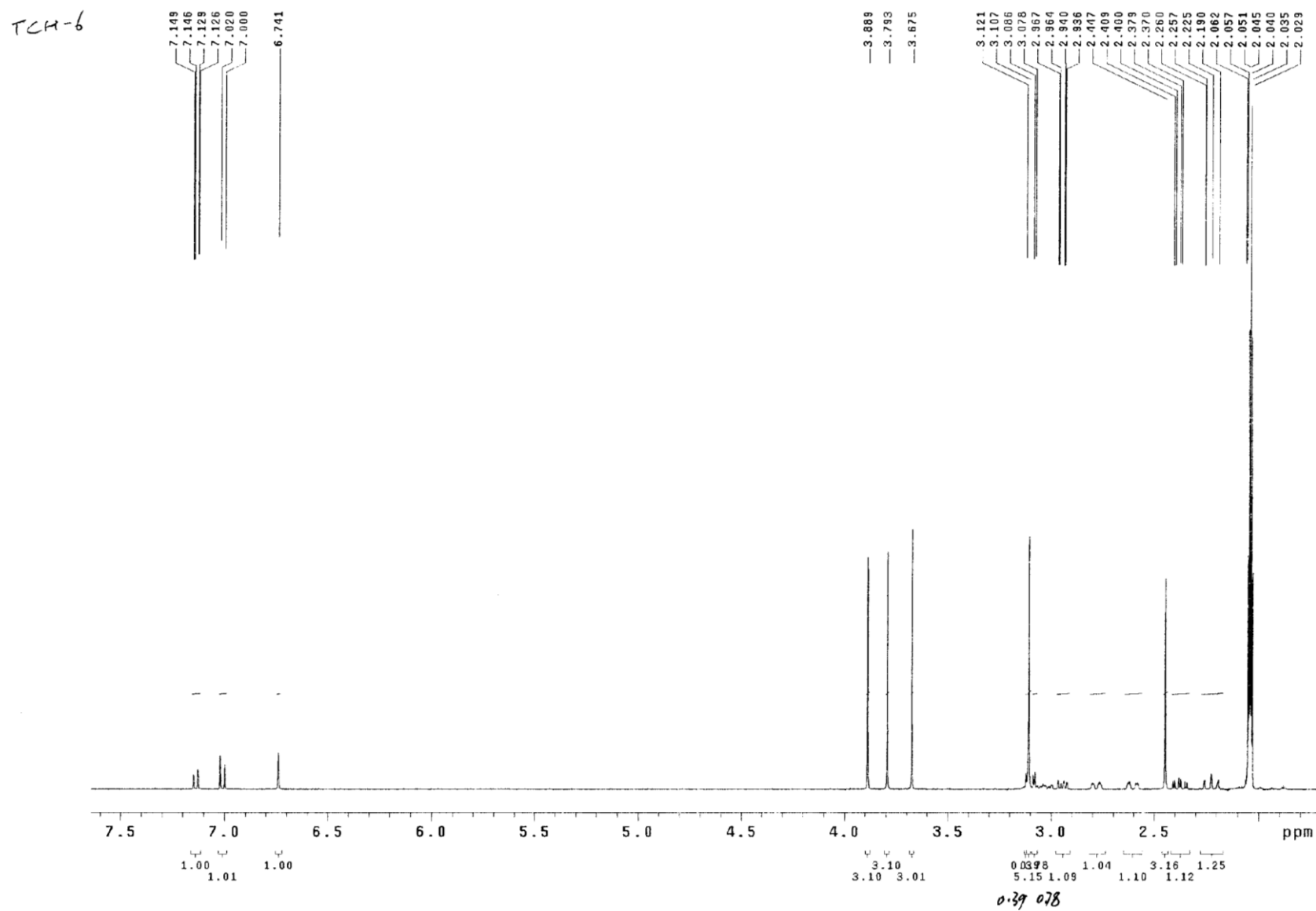
Figure S3. $^1\text{H-NMR}$ (400 MHz, CD_3COCD_3) spectra of isocorydine (**1**).

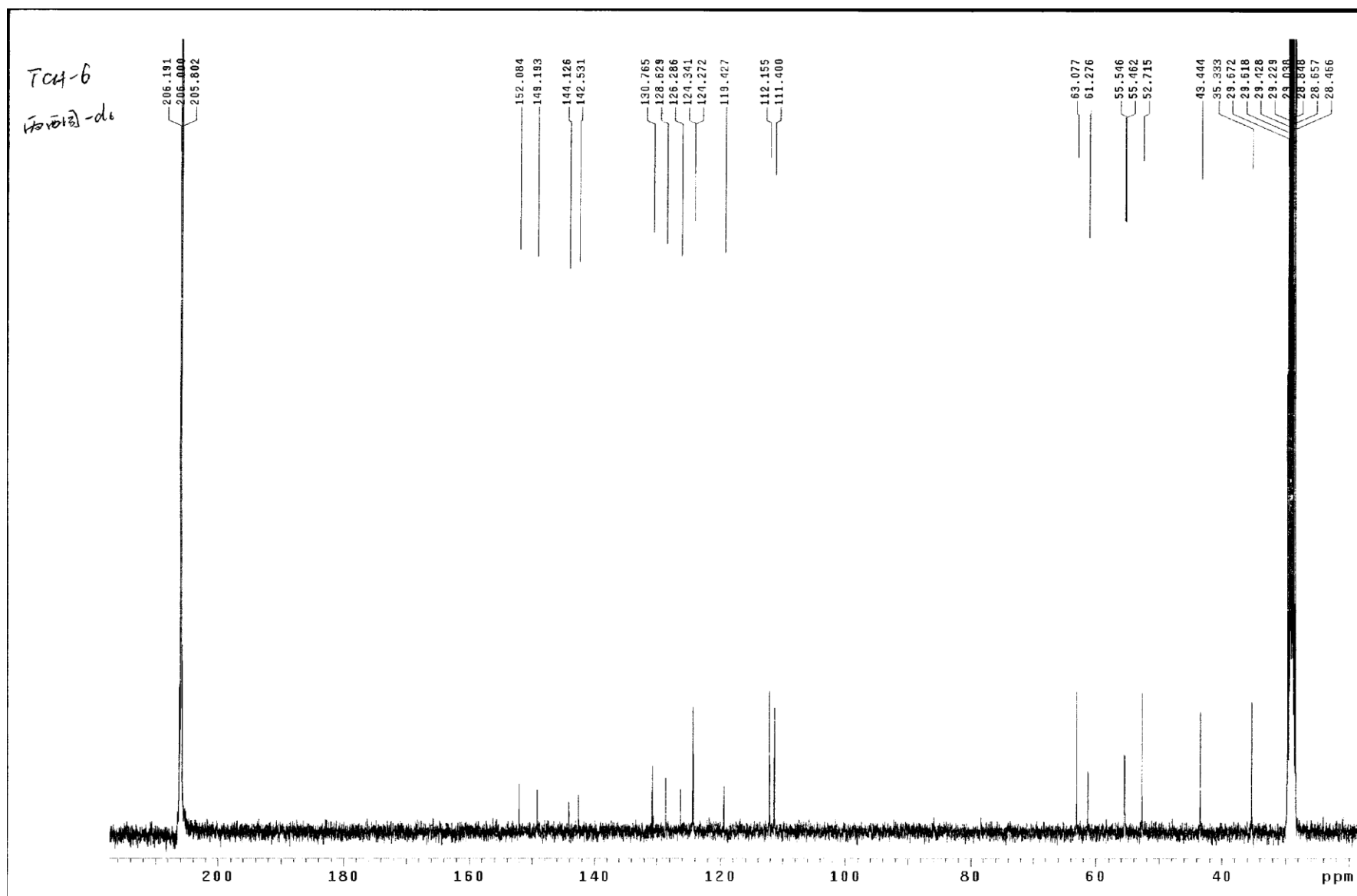
Figure S4. ^{13}C -NMR (100 MHz, CD_3COCD_3) spectra of isocorydine (1).

Figure S5. HRMS (ESI) spectra of isocorydine (1).

Generic Display Report

Analysis Info

Analysis Name D:\Data\user\zhongmei 14-07-07-2.d
Method tune_wide.m
Sample Name 1
Comment

Acquisition Date 7/7/2014 3:28:11 PM

Operator BDAL@CN
Instrument micrOTOF-Q II

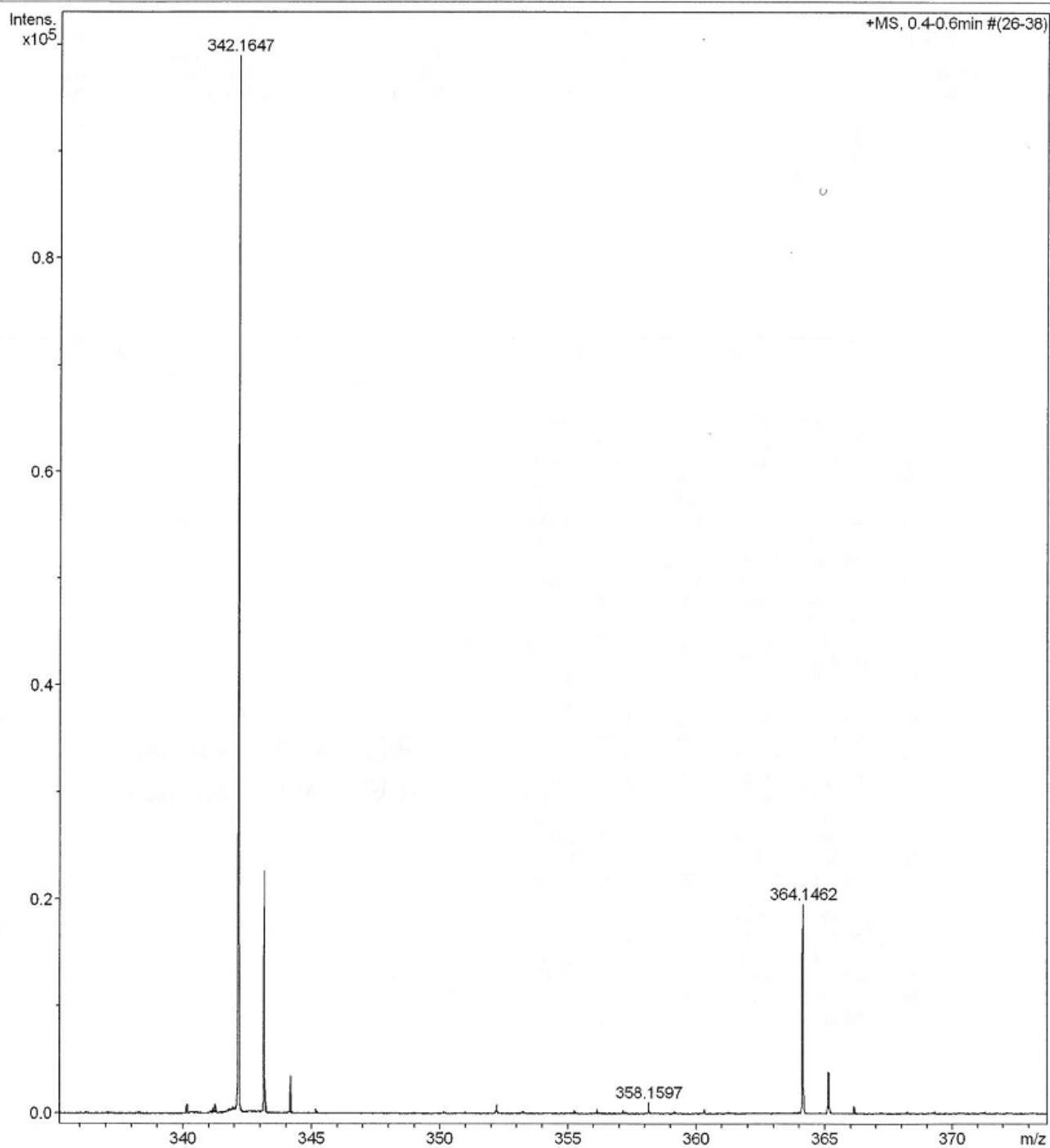


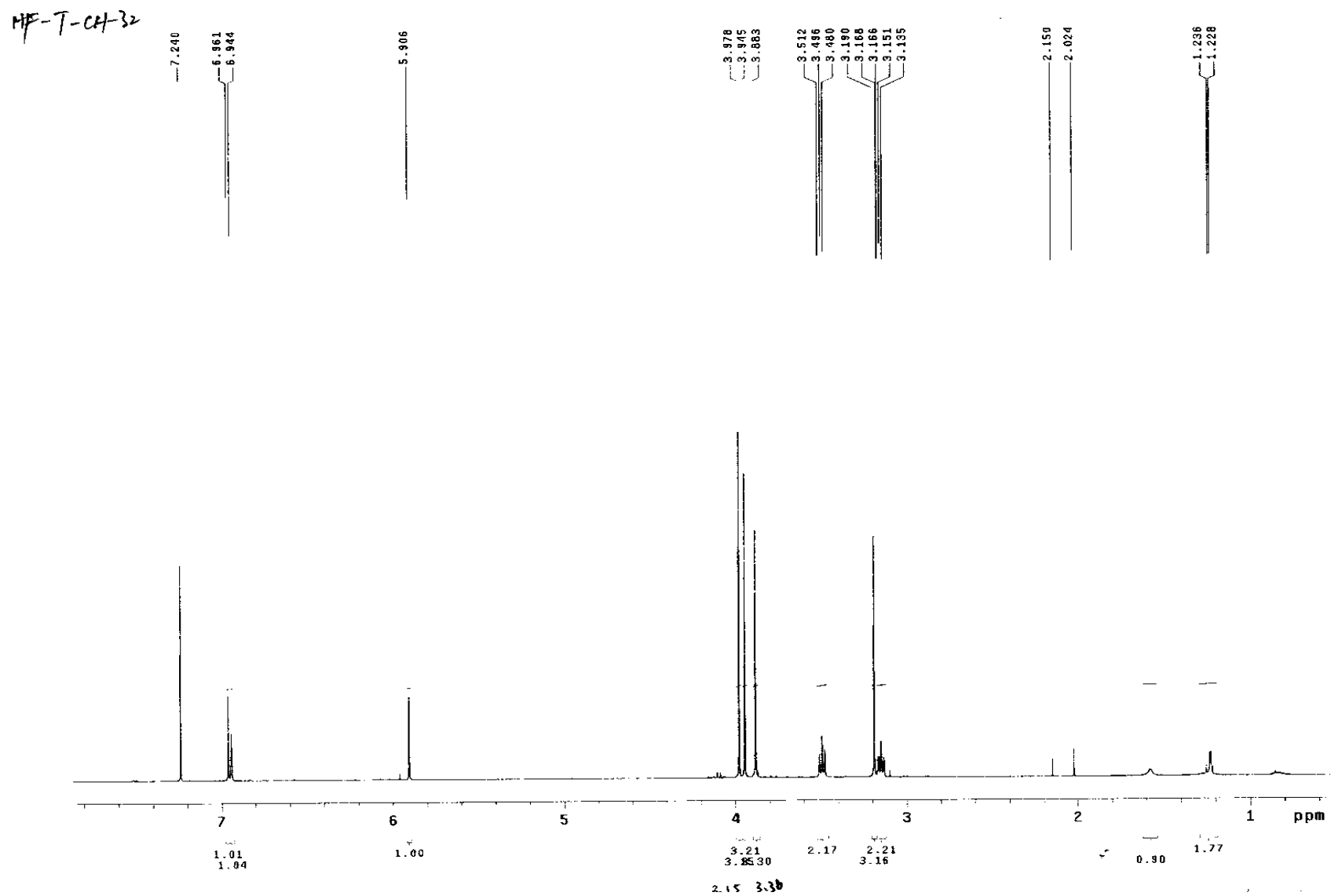
Figure S6. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of isocorydione (**2**).

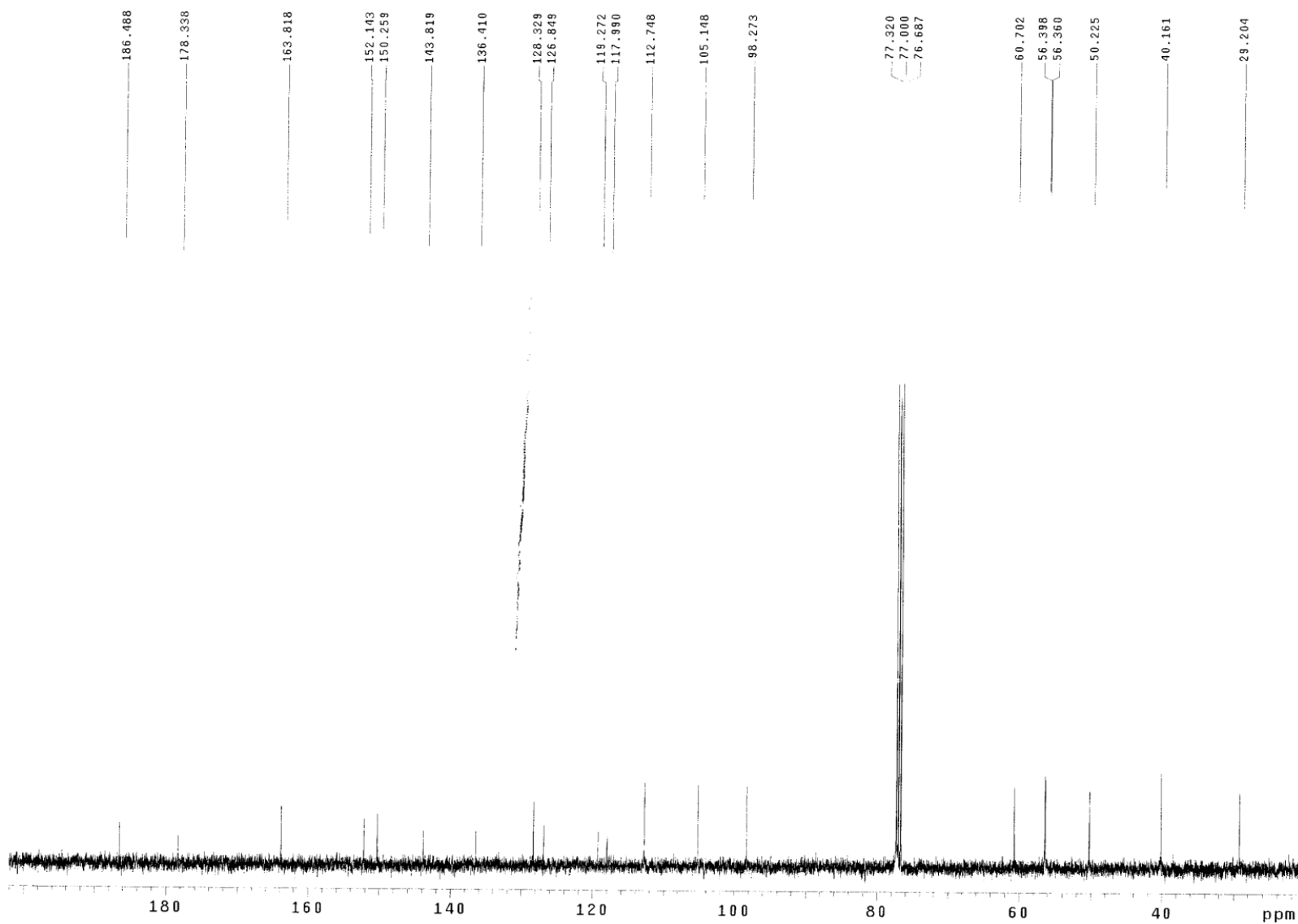
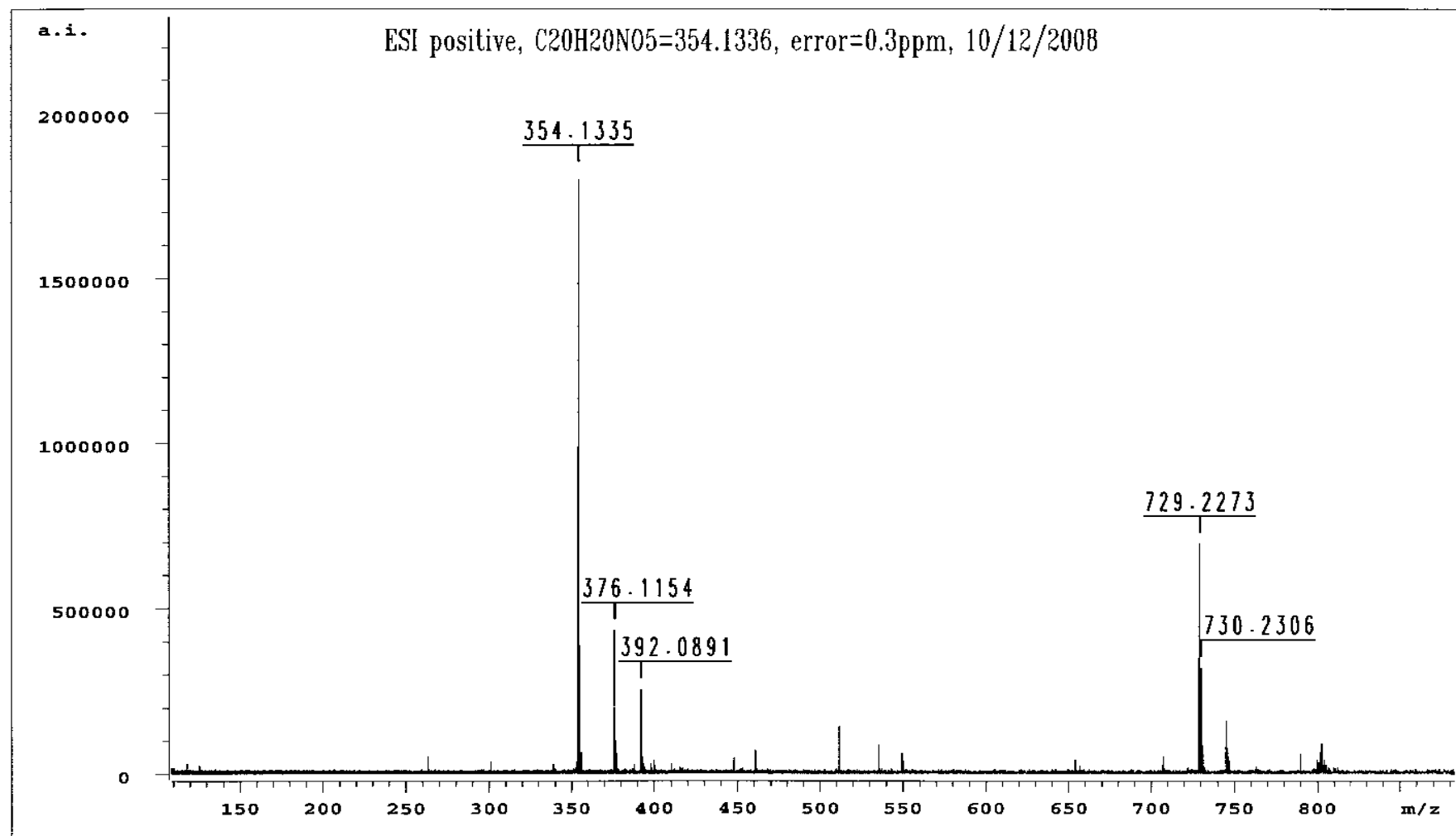
Figure S7. ^{13}C -NMR (100 MHz, CDCl_3) spectra of isocorydione (2).

Figure S8. HRMS (ESI) spectra of isocorydione (2).



/u/data/TRAINING/gonghongfeil210/1/pdata/1 xspec Wed Dec 10 10:15:35 2008

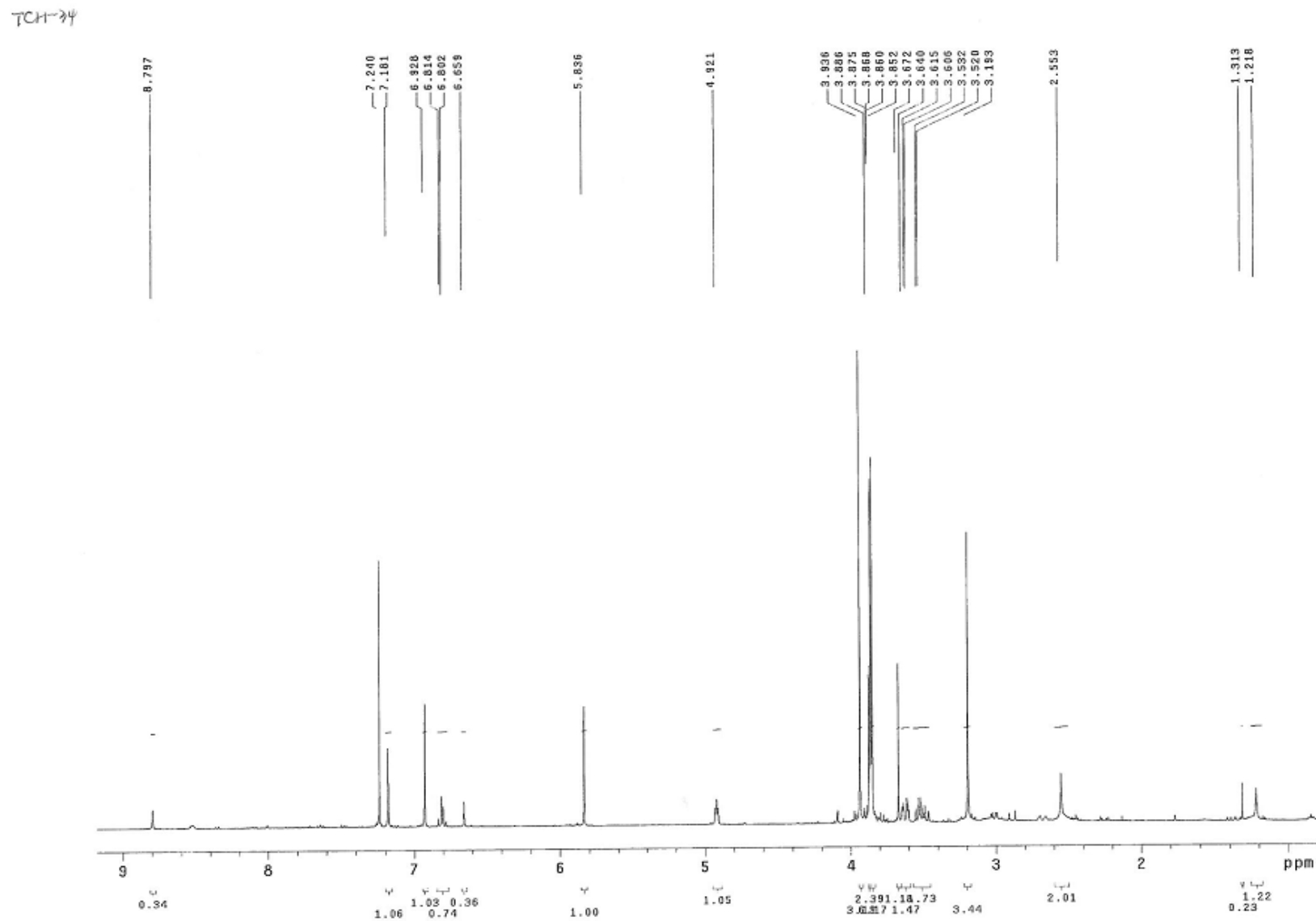
Figure S9. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 4-hydroxy-isocorydione (**3**).

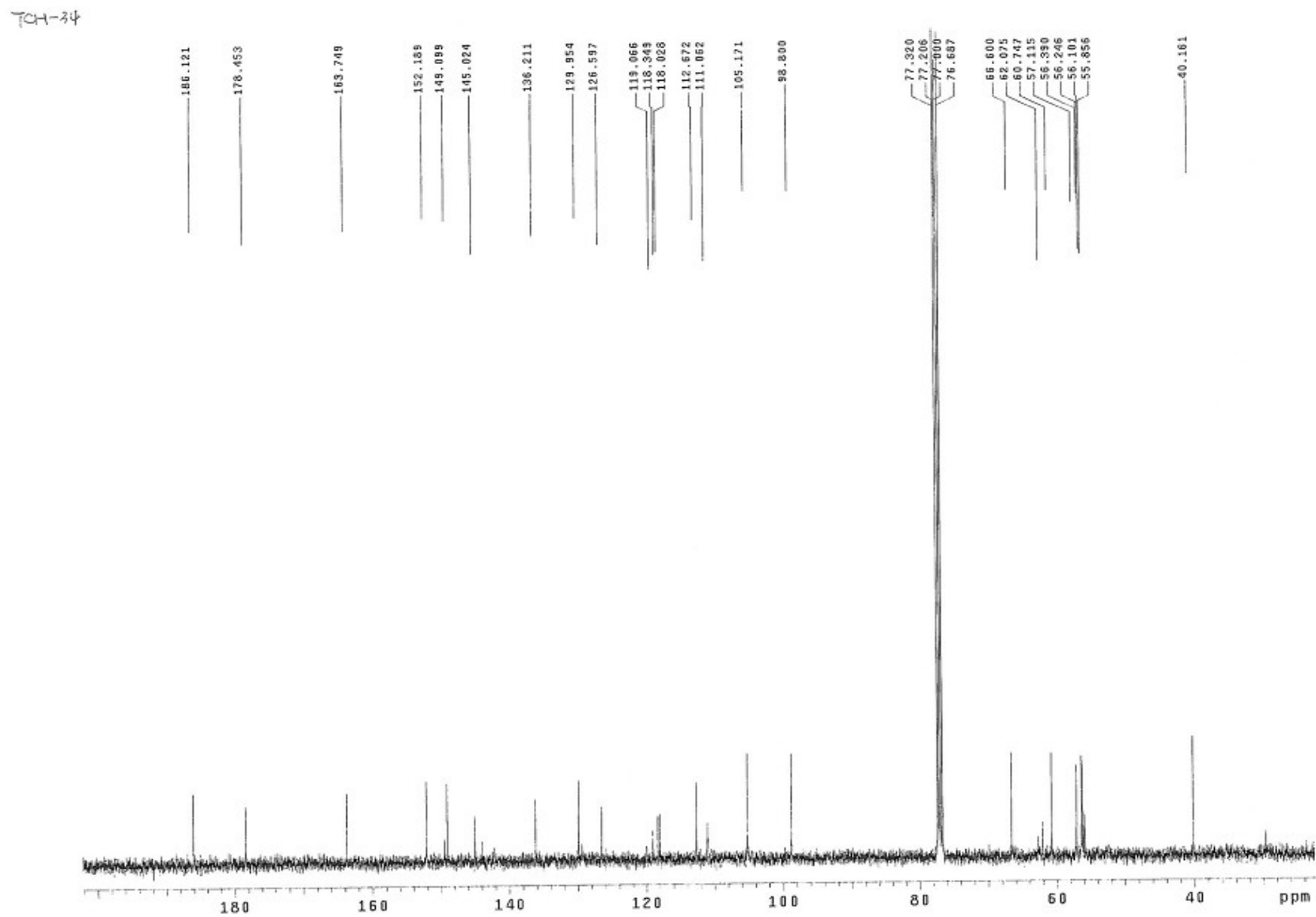
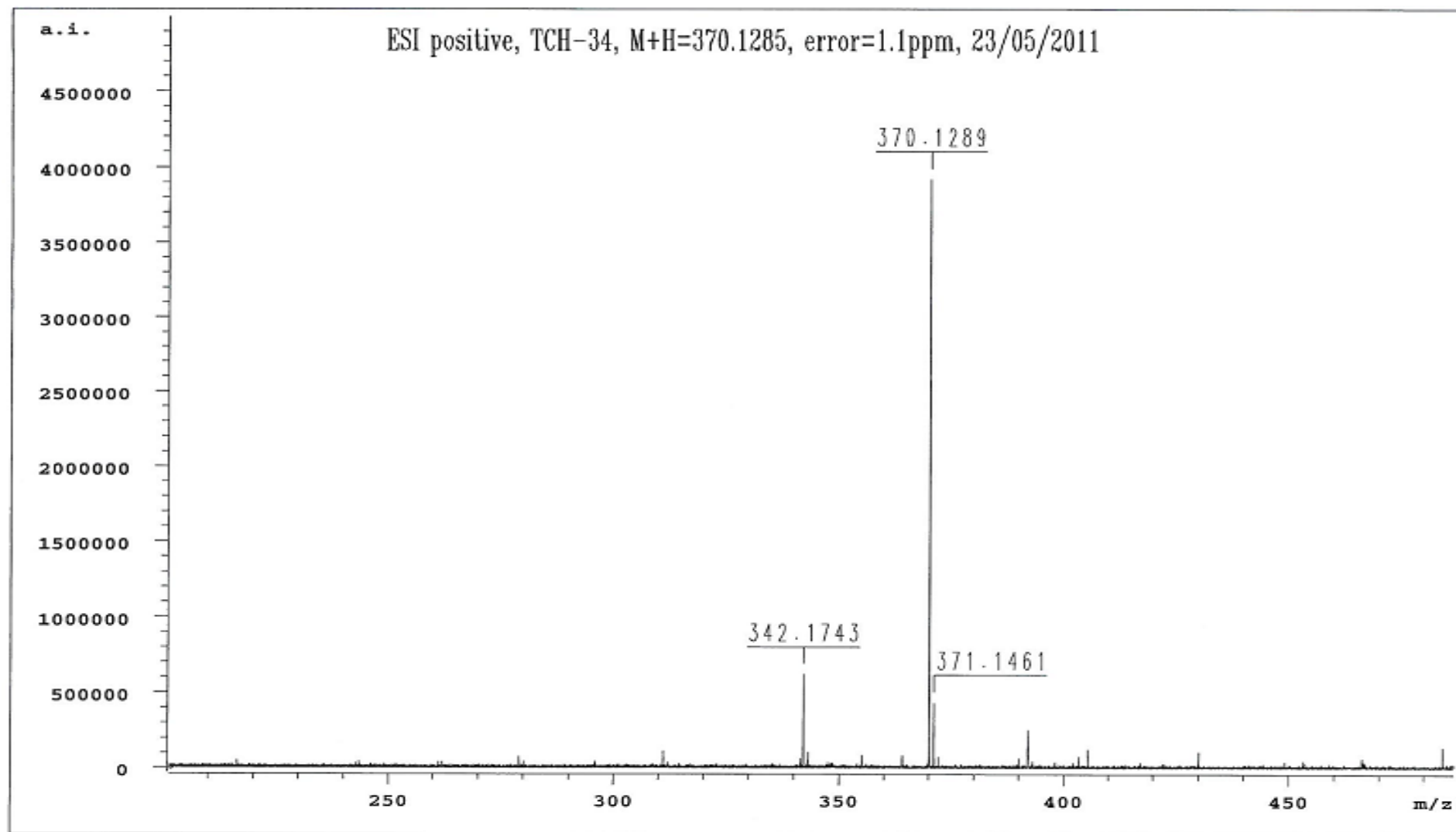
Figure S10. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 4-hydroxy-isocorydione (**3**).

Figure S11. HRMS (ESI) spectra of 4-hydroxy-isocorydione (**3**).

/u/data/TRAINING/zhangtiancai0523/2/pdata/1 xspec Mon May 23 17:22:52 2011

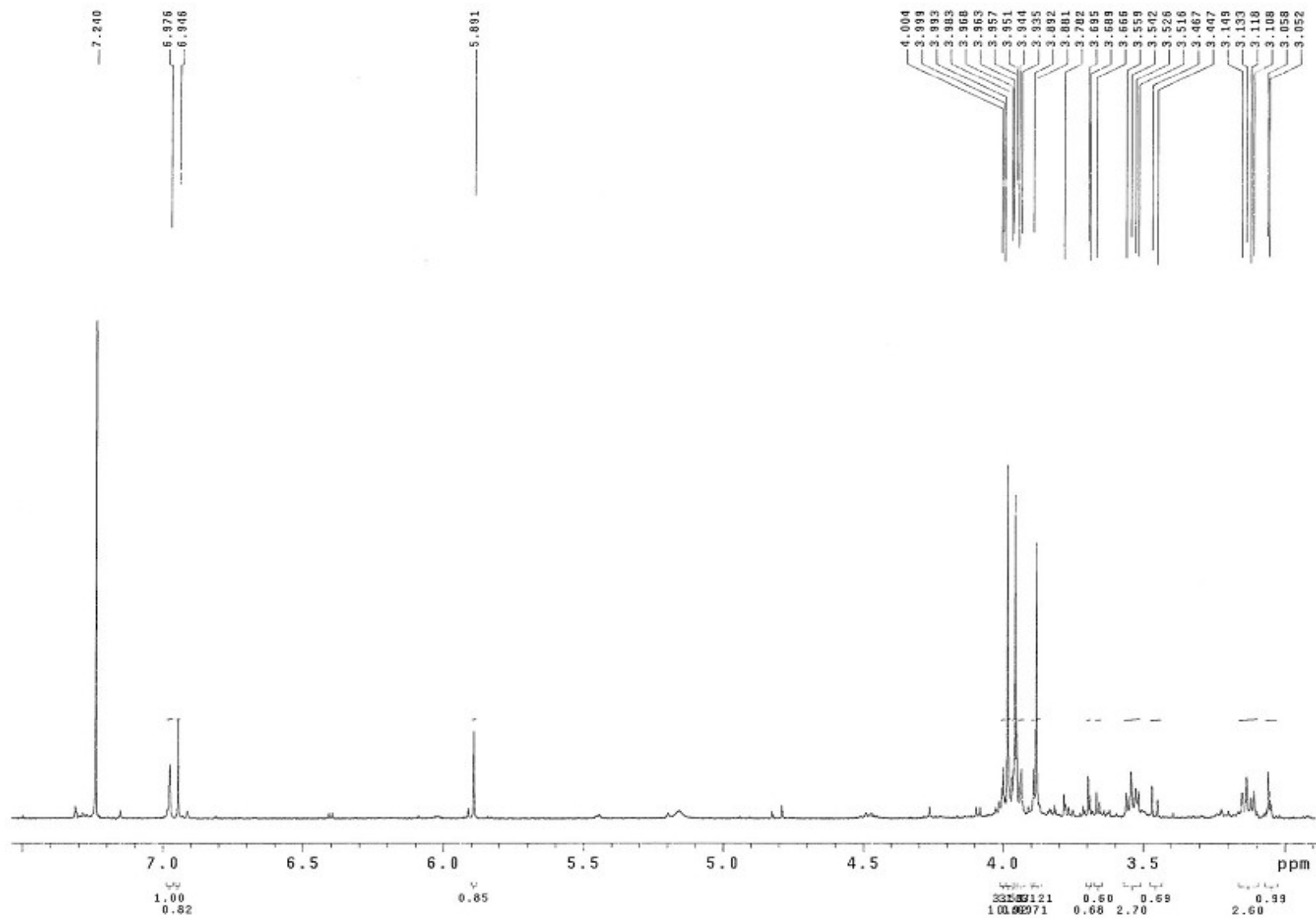
Figure S12. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of N-demethyl-isocorydione (**4**).

Figure S13. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of N-demethyl-isocorydione (4).

TCH-E

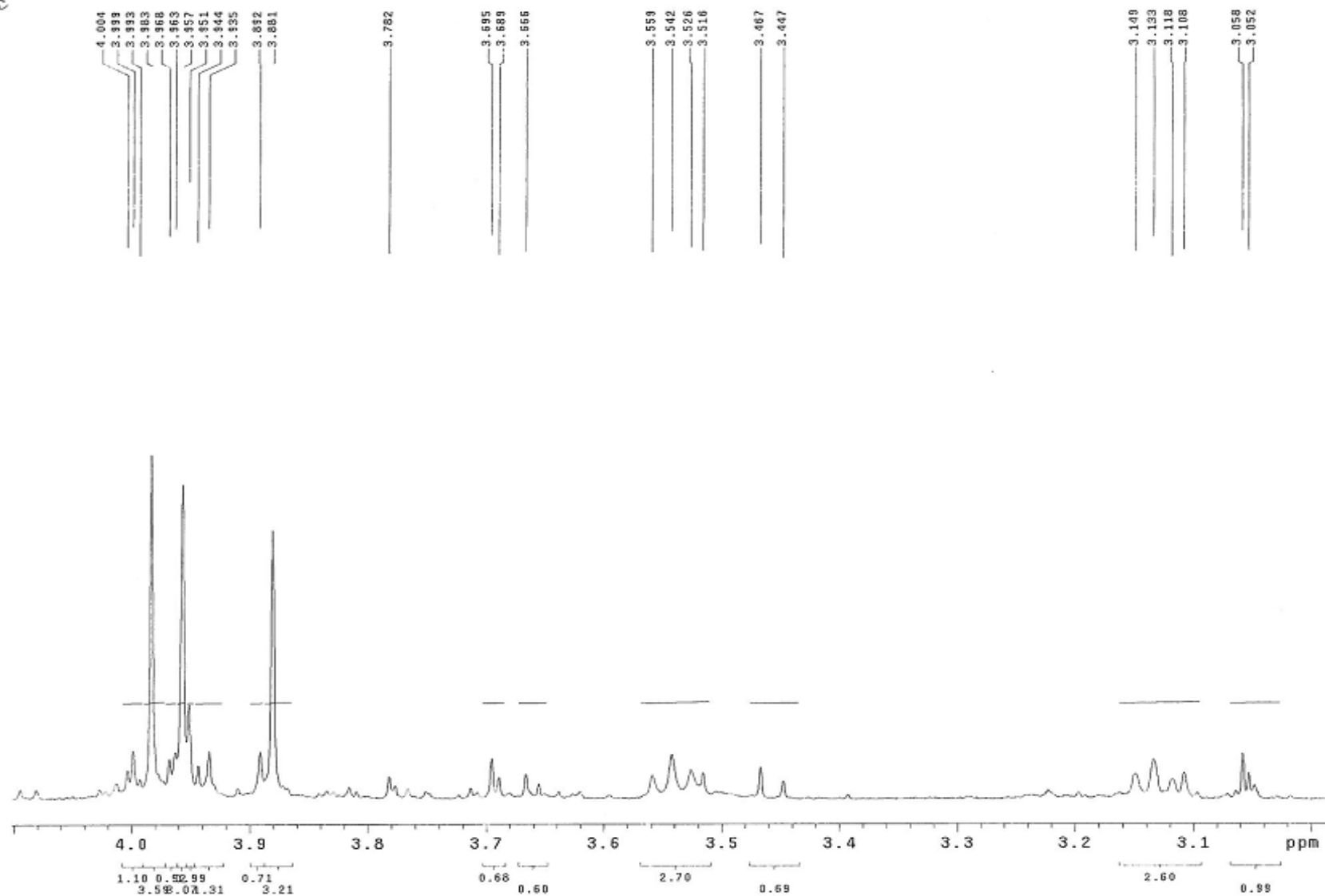


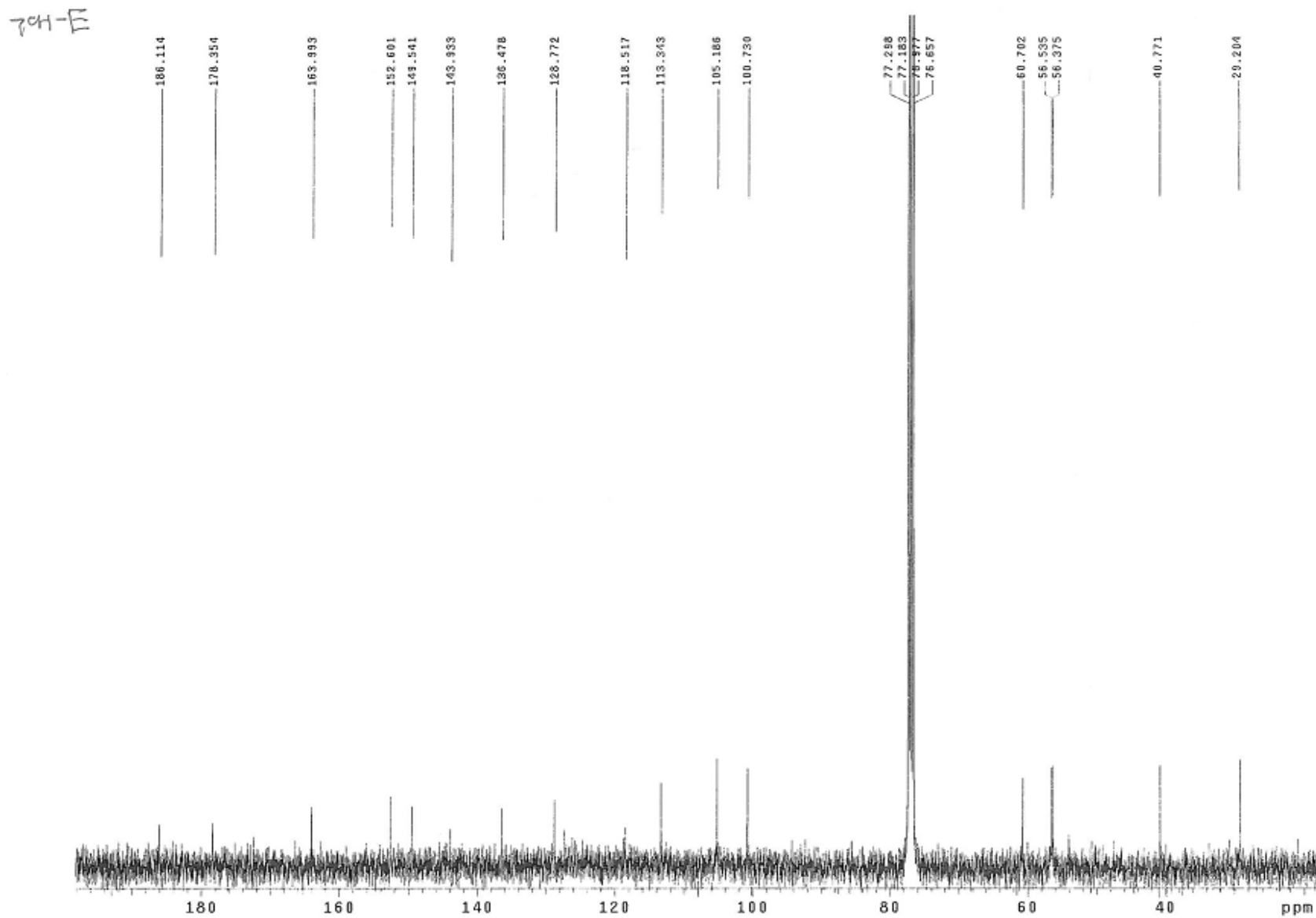
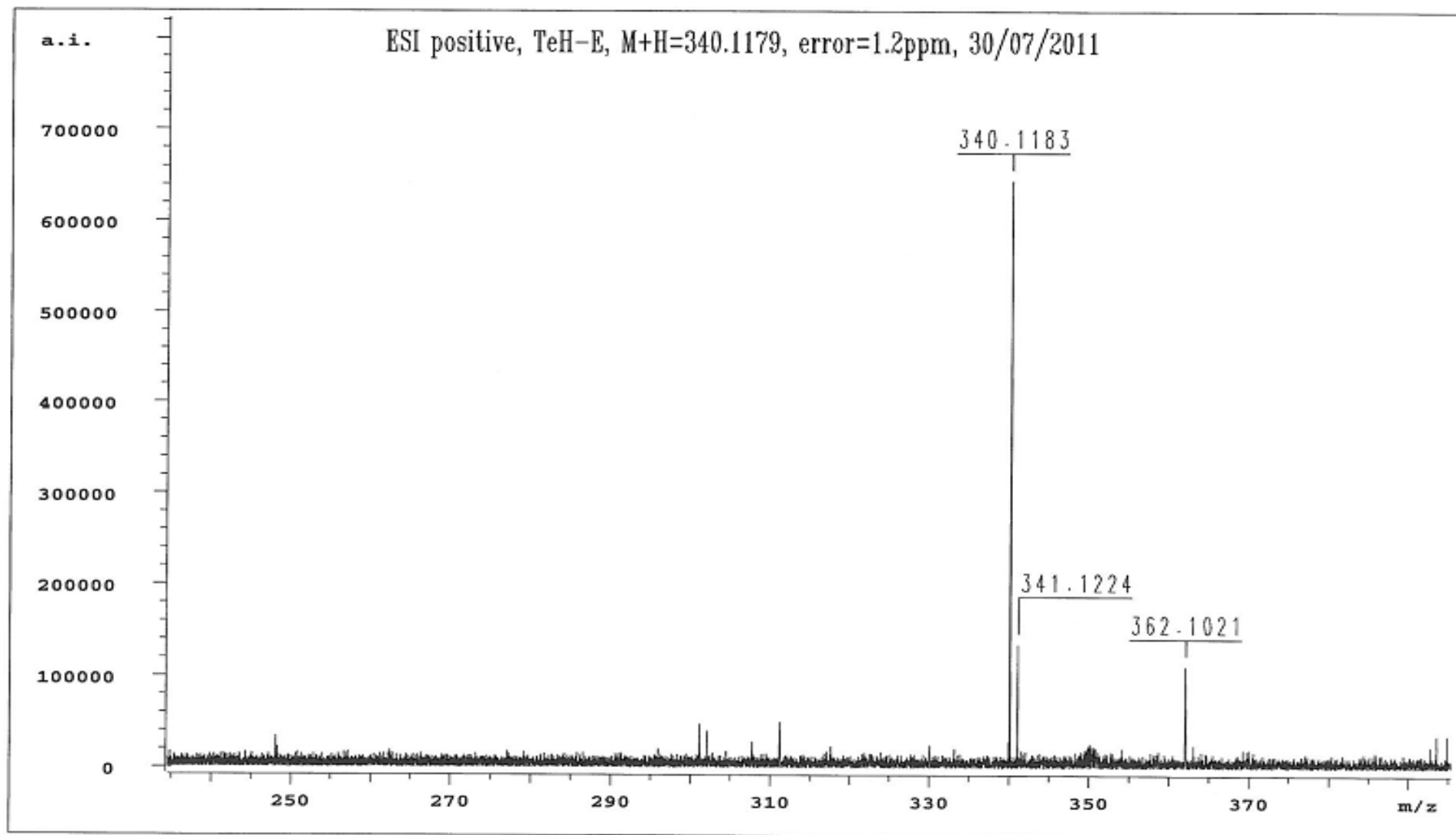
Figure S14. ^{13}C -NMR (100 MHz, CDCl_3) spectra of N-demethyl-isocorydione (**4**).

Figure S15. HRMS (ESI) spectra of N-demethyl-isocorydione (4).

/u/data/TRAINING/hus0630/1/pdata/1 xspec Thu Jun 30 15:14:13 2011

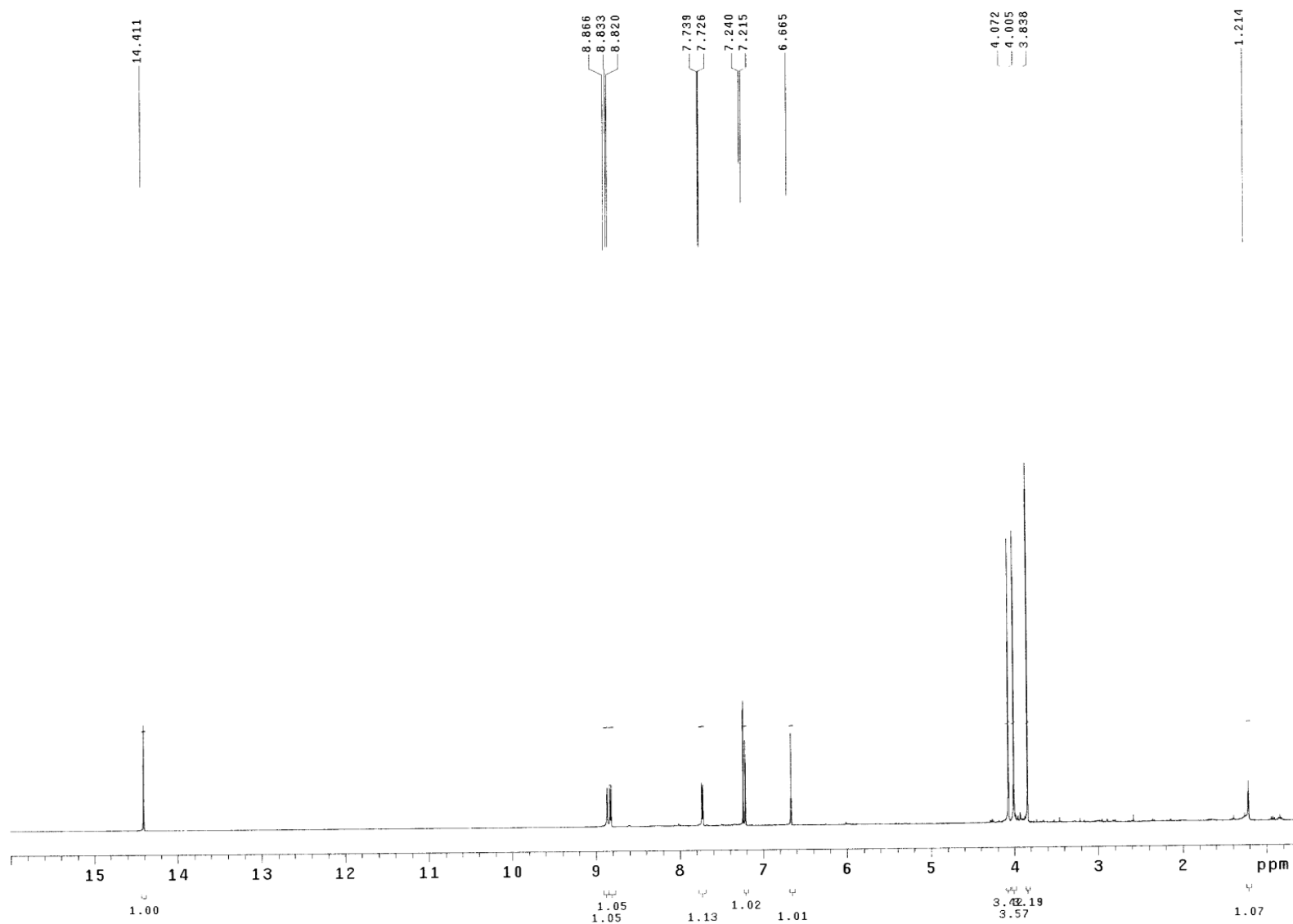
Figure S16. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 7-hydroxy-N-demethyl-isocorydione (**5**).

Figure S17. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 7-hydroxy-N-demethyl-isocorydione (**5**).

T24-35

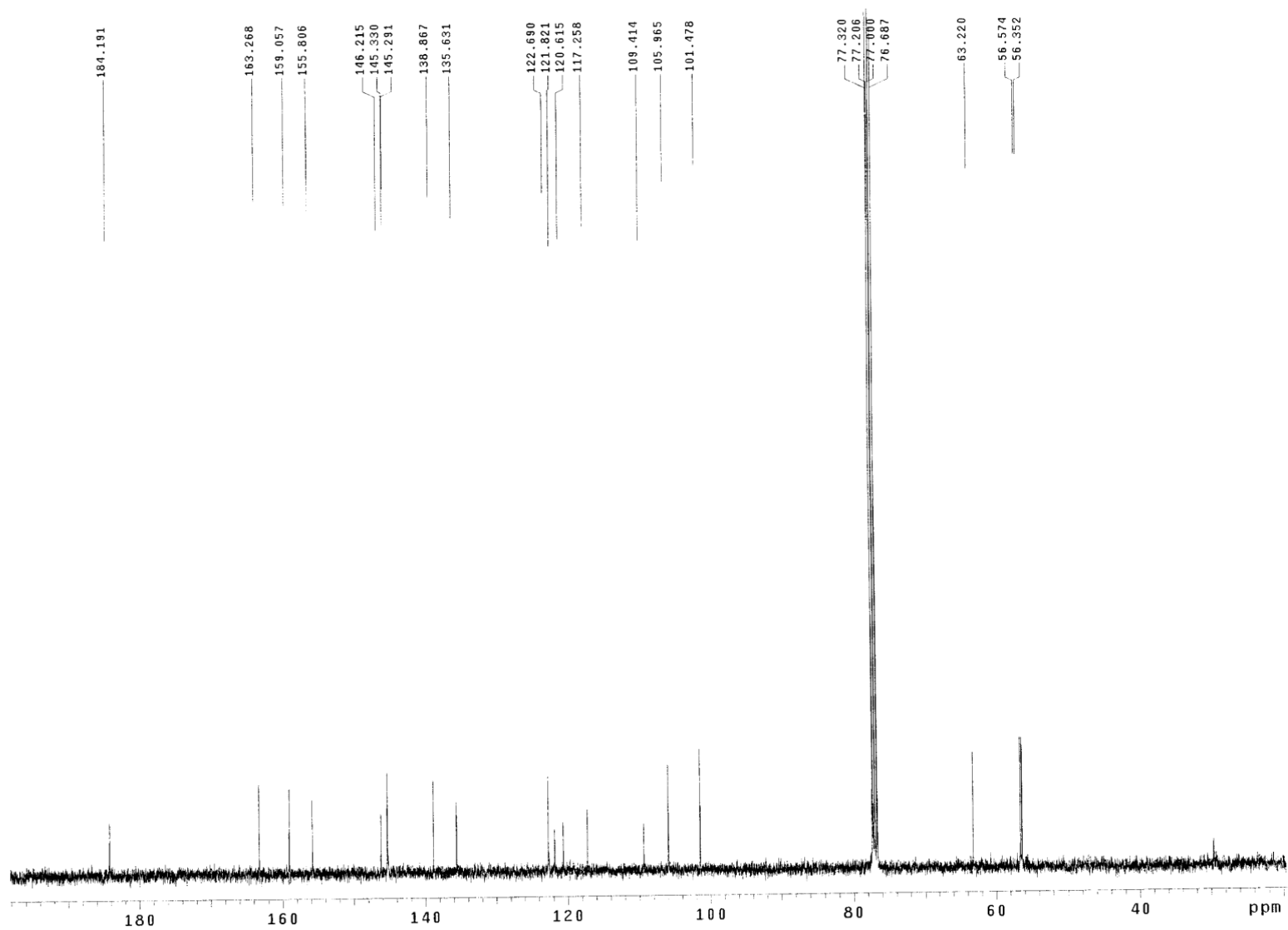


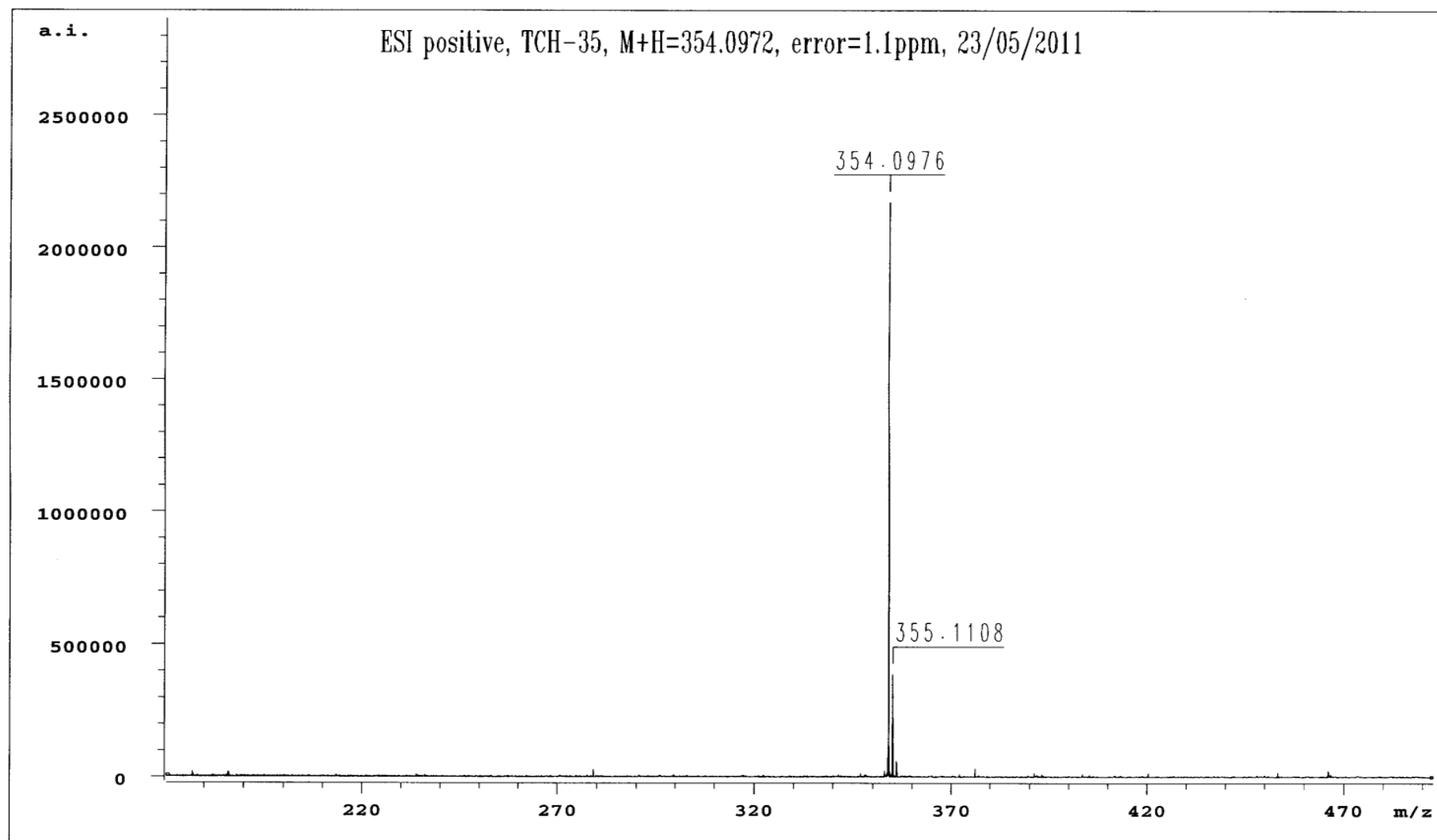
Figure S18. HRMS (ESI) spectra of 7-hydroxy-N-demethyl-isocorydione (**5**).

Figure S19. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 8-nitro-isocorydine (7).

Iso-1

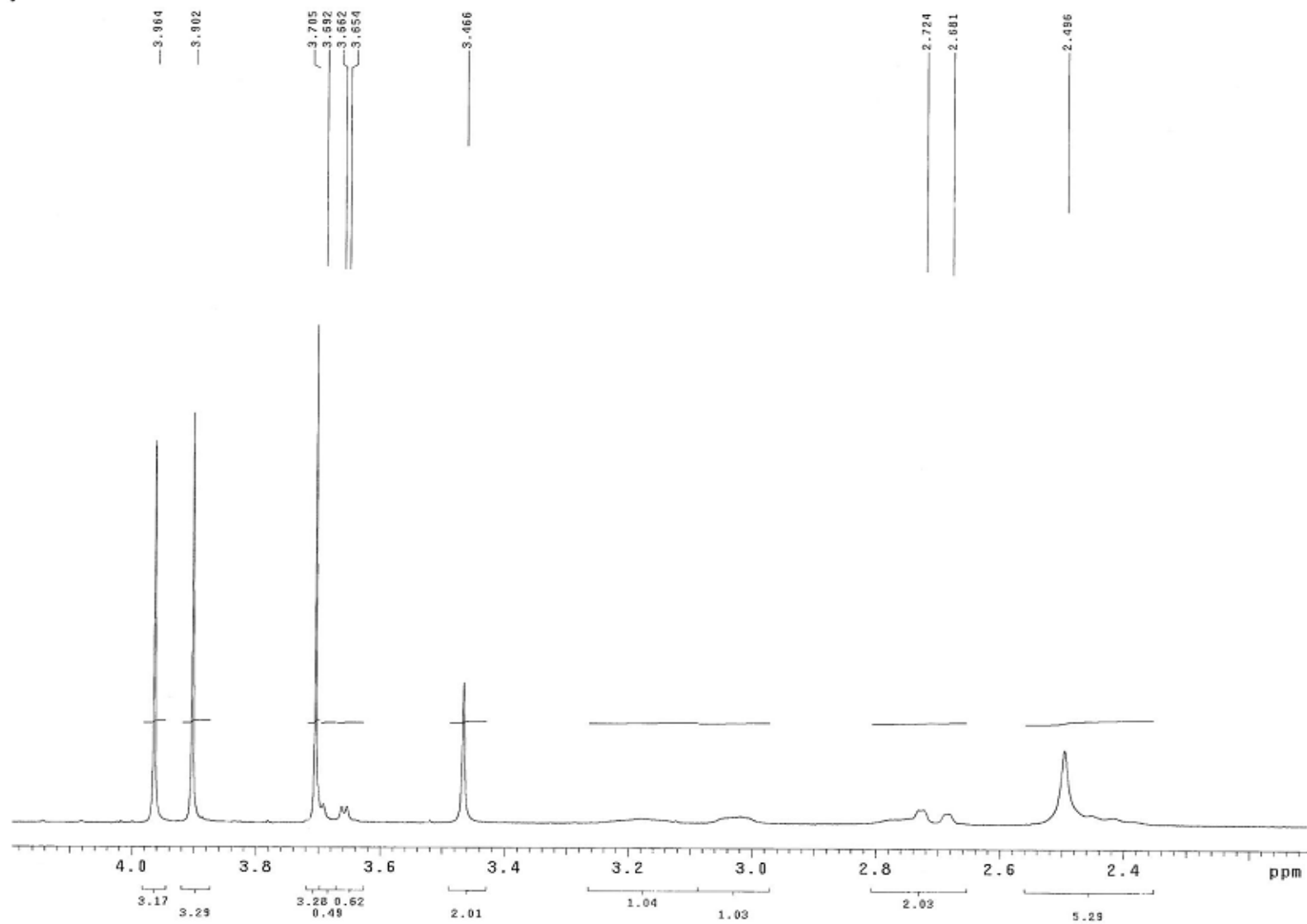


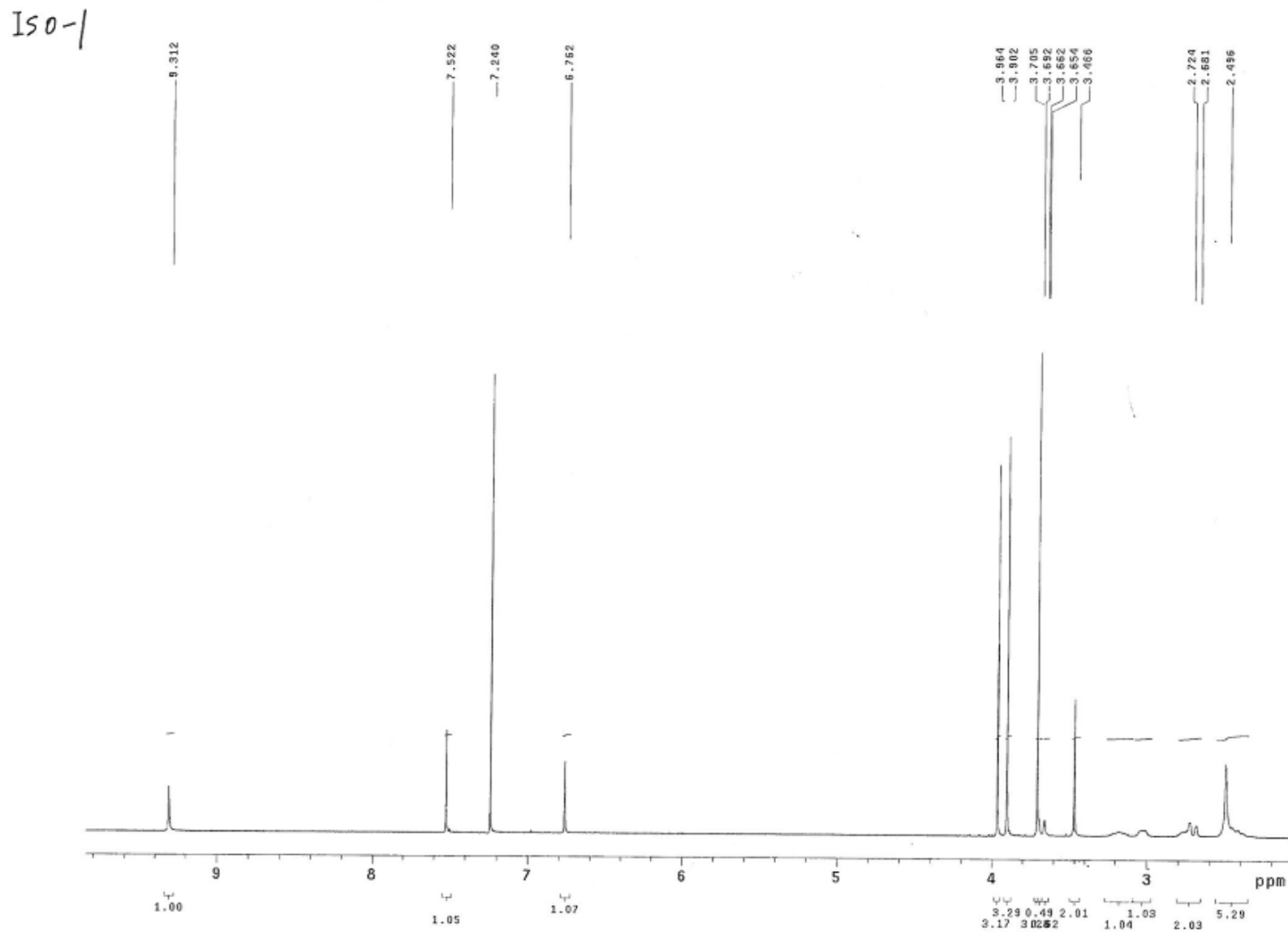
Figure S20. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 8-nitro-isocorydine (7).

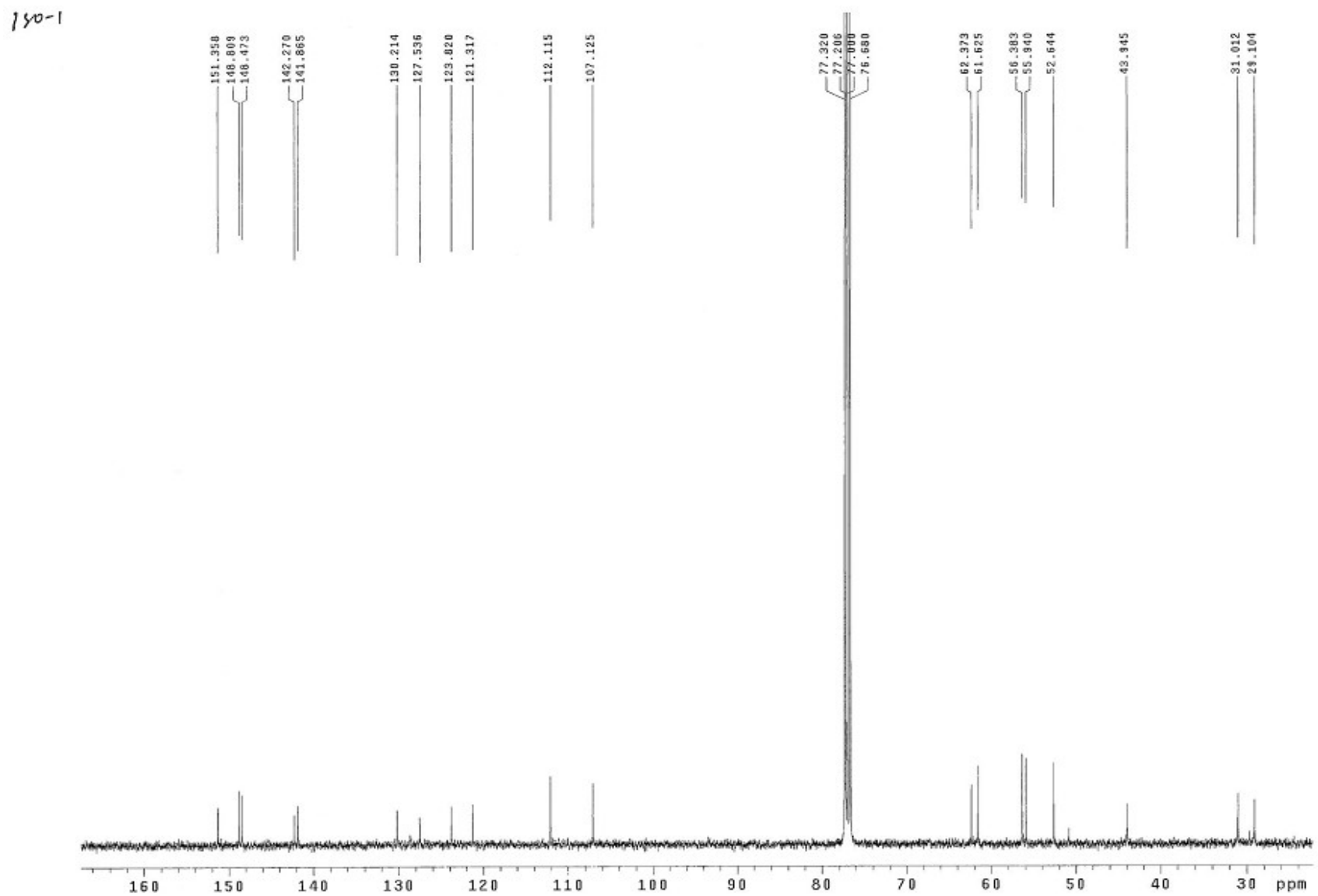
Figure S21. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 8-nitro-isocorydine (7).

Figure S22. HRMS (ESI) spectra of 8-nitro-isocorydine (7).

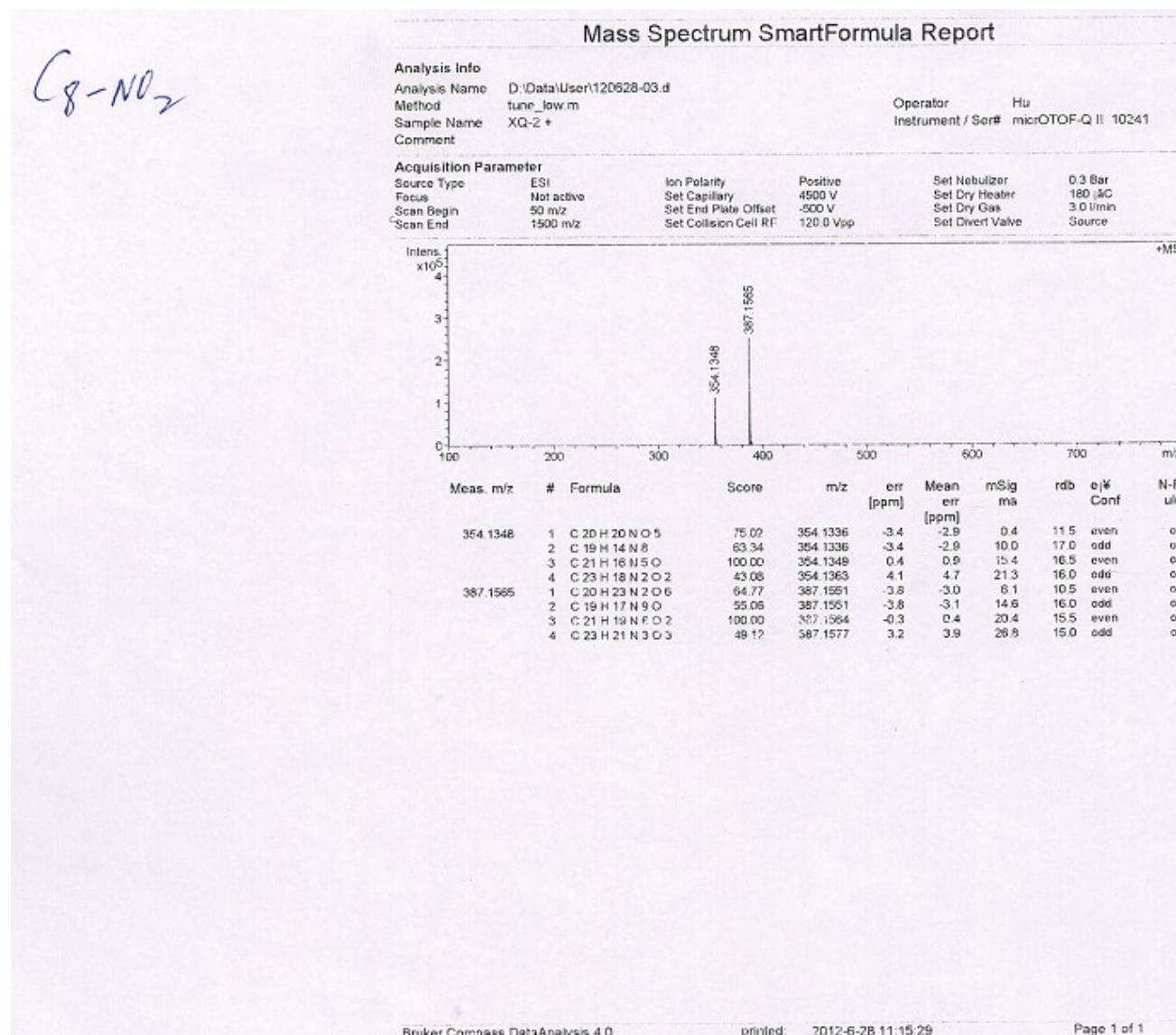


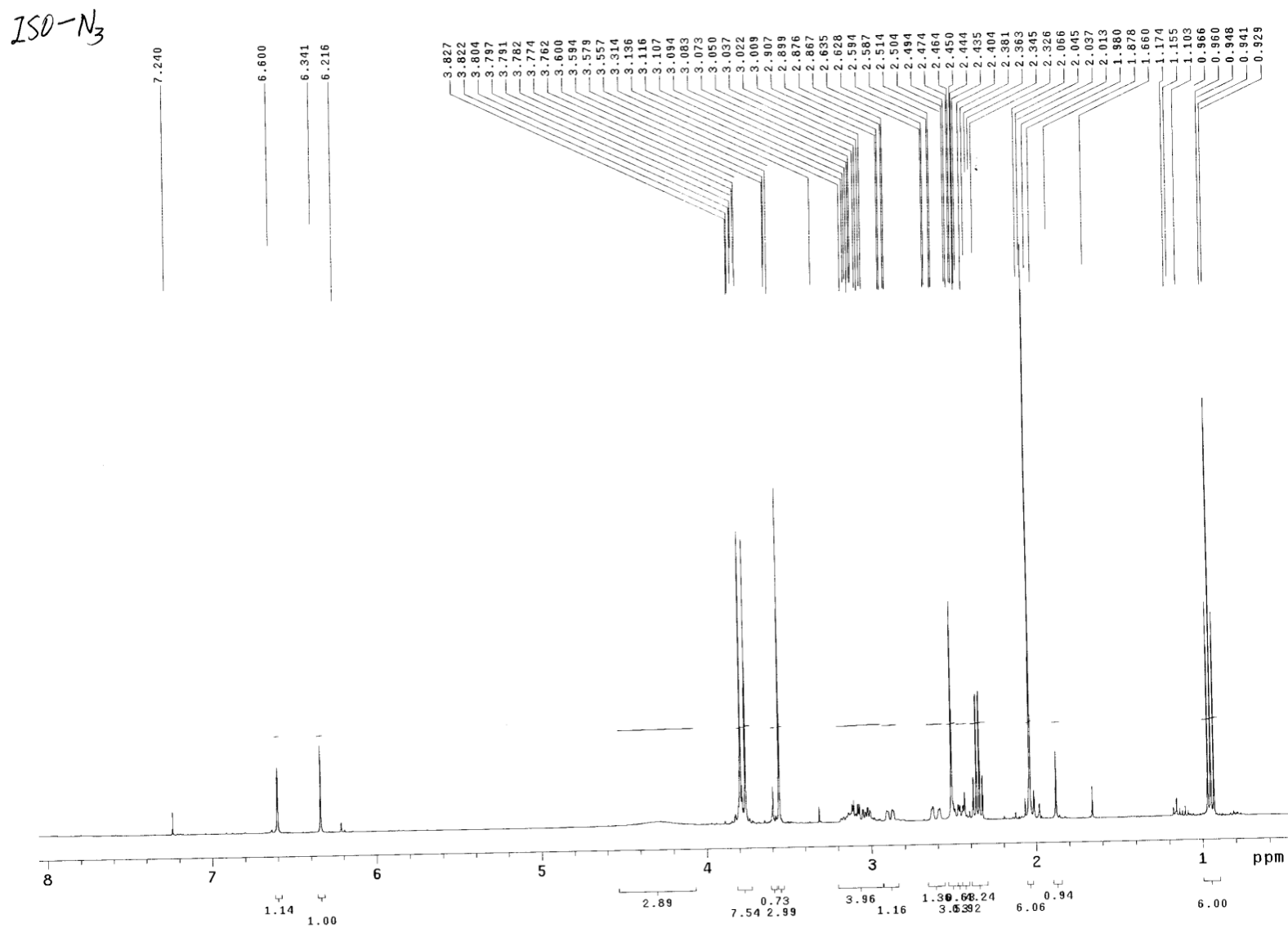
Figure S23. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 8-amino-isocorydine (**8**).

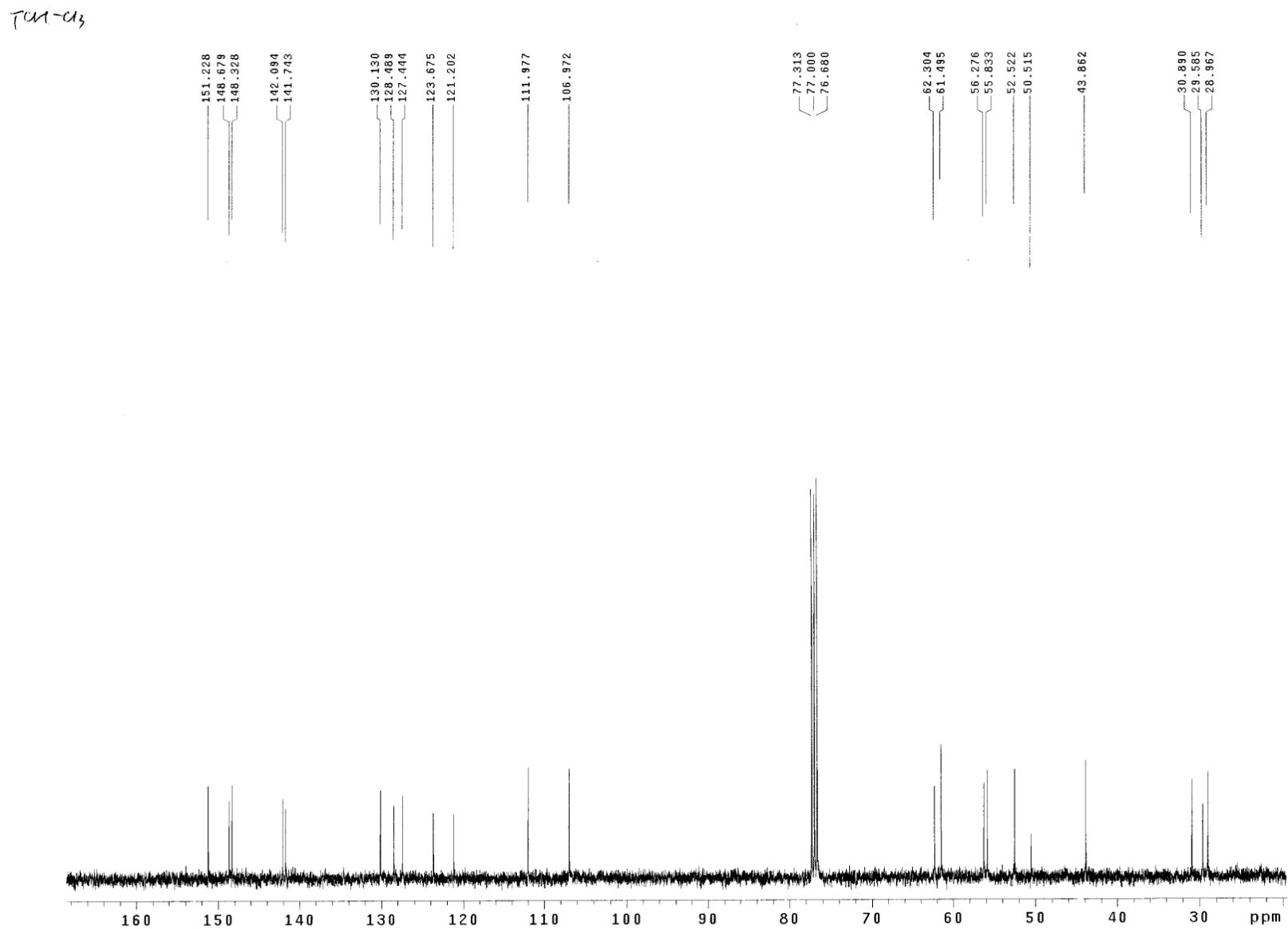
Figure S24. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 8-amino-isocorydine (**8**).

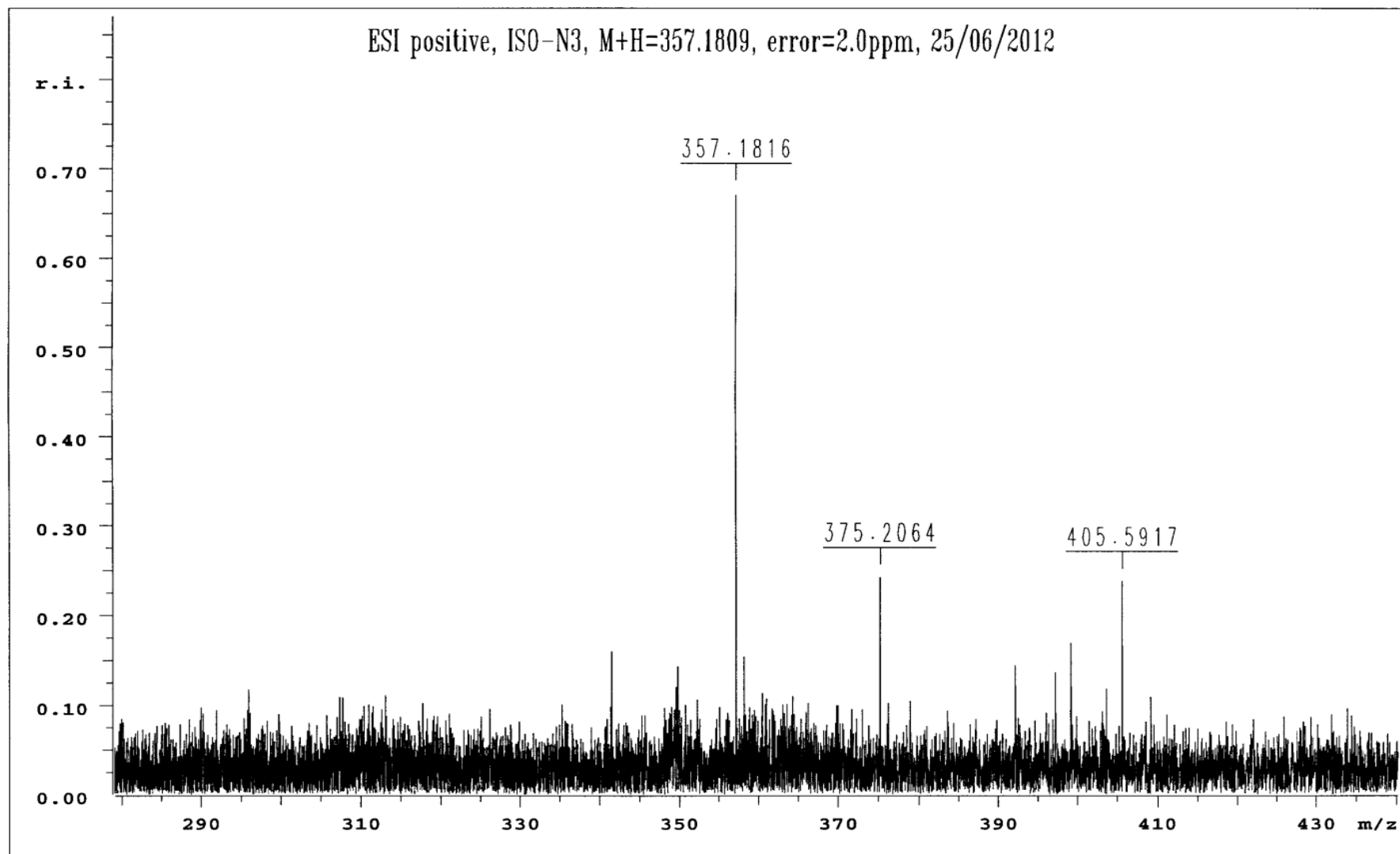
Figure S25. HRMS (ESI) spectra of 8-amino-isocorydine (**8**).

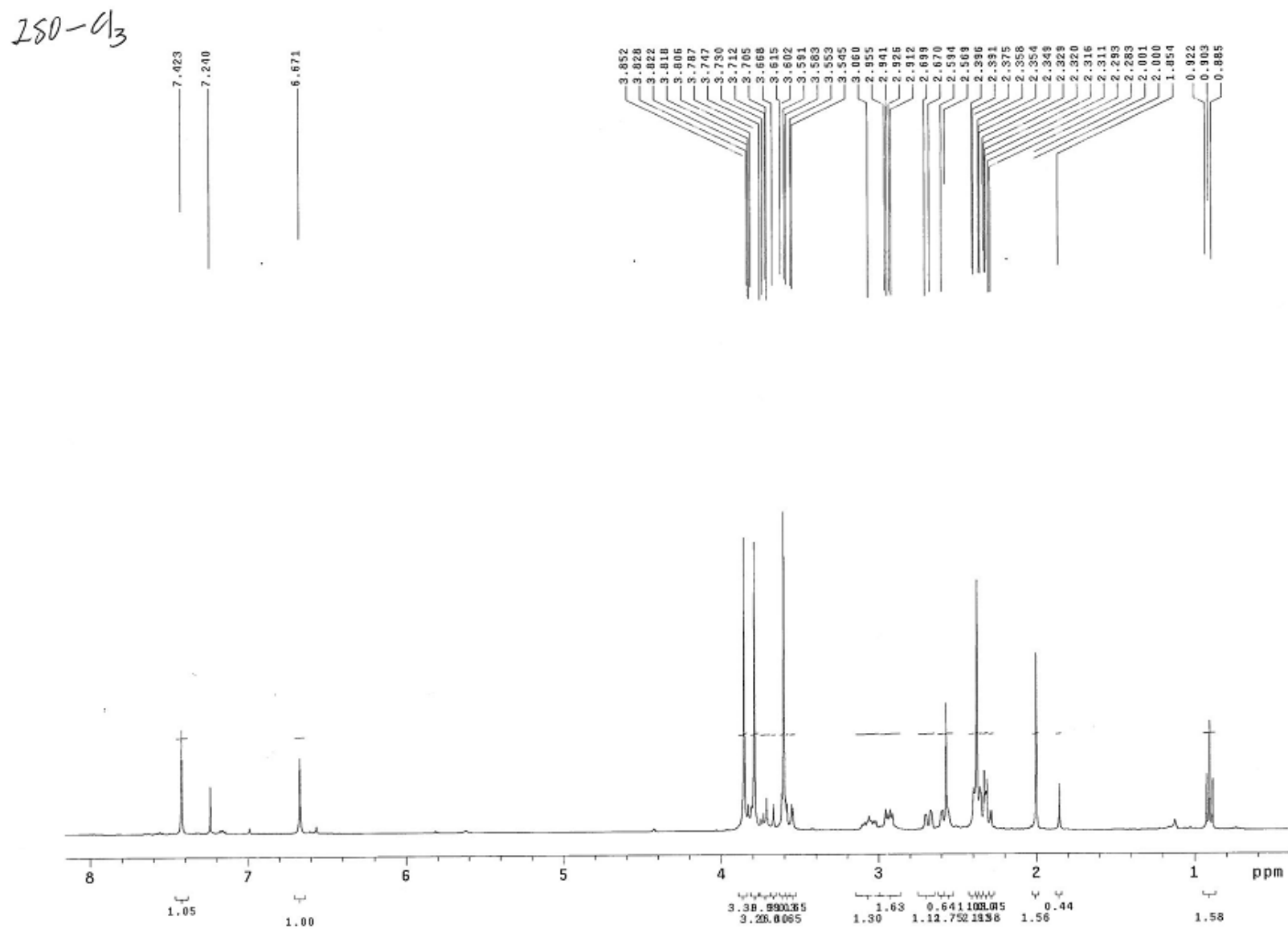
Figure S26. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 8-chloro-isocorydine (**9**).

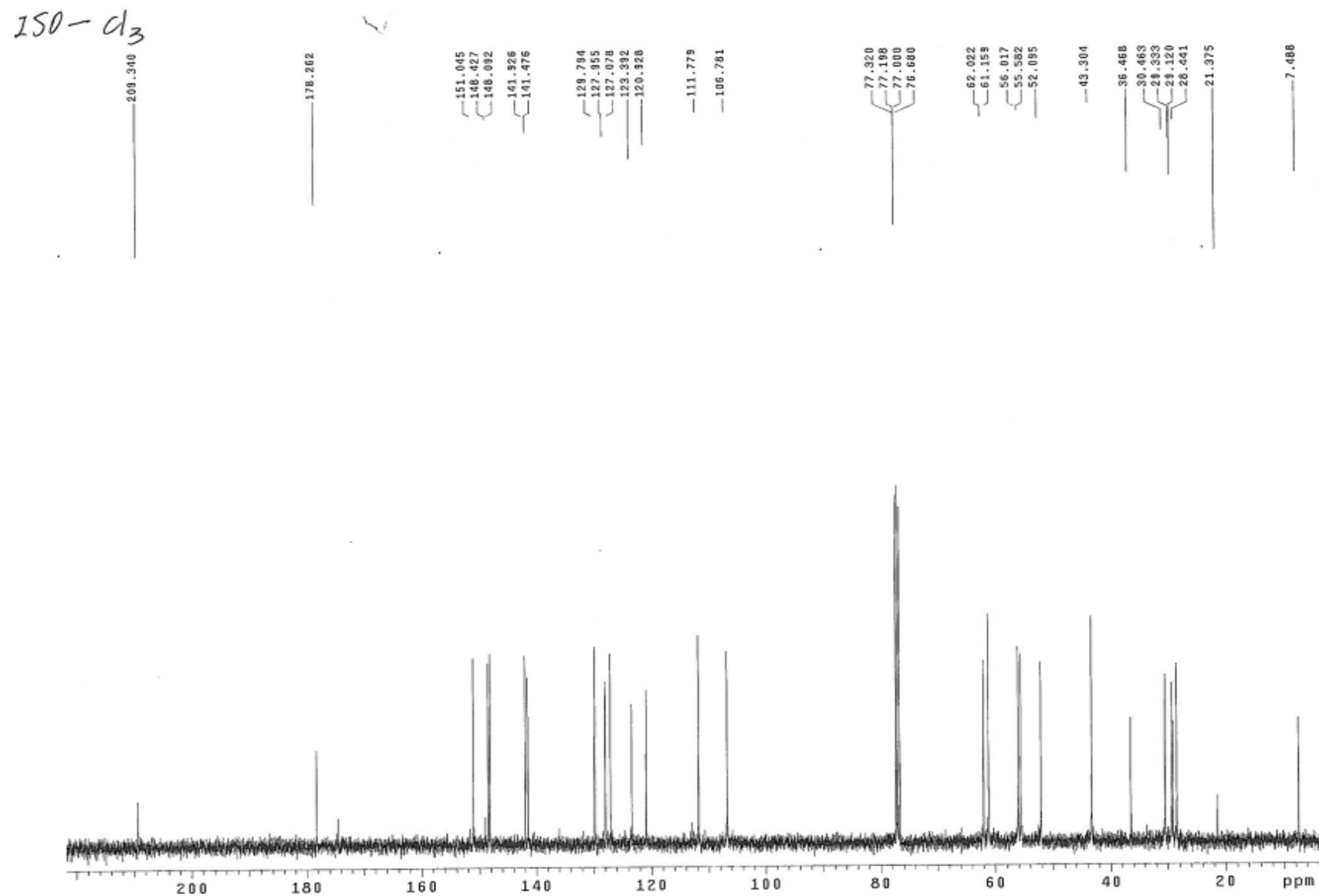
Figure S27. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 8-chloro-isocorydine (**9**).

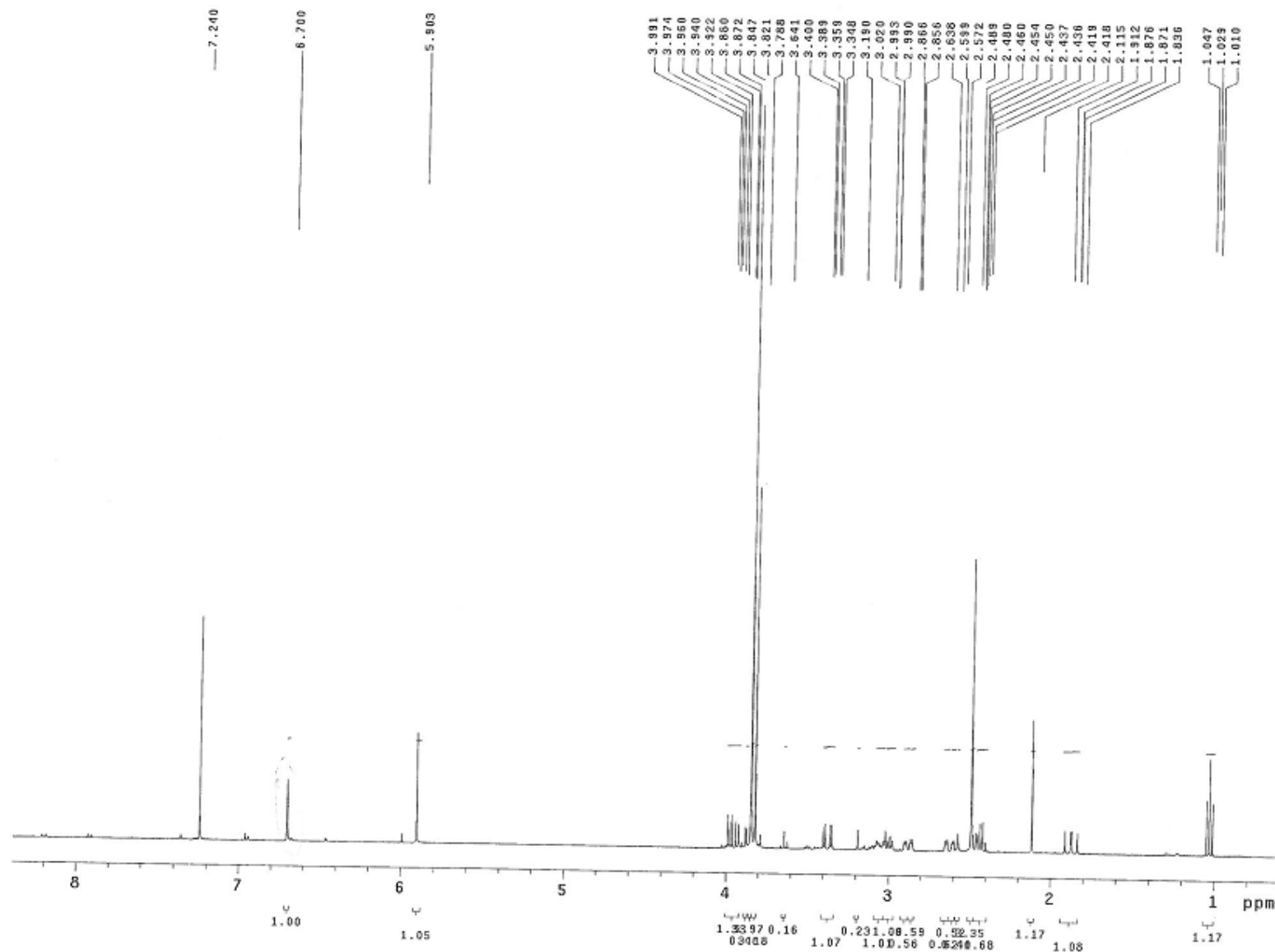
Figure S28. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 6a,7-dihydrogen-isocorydione (**10**).

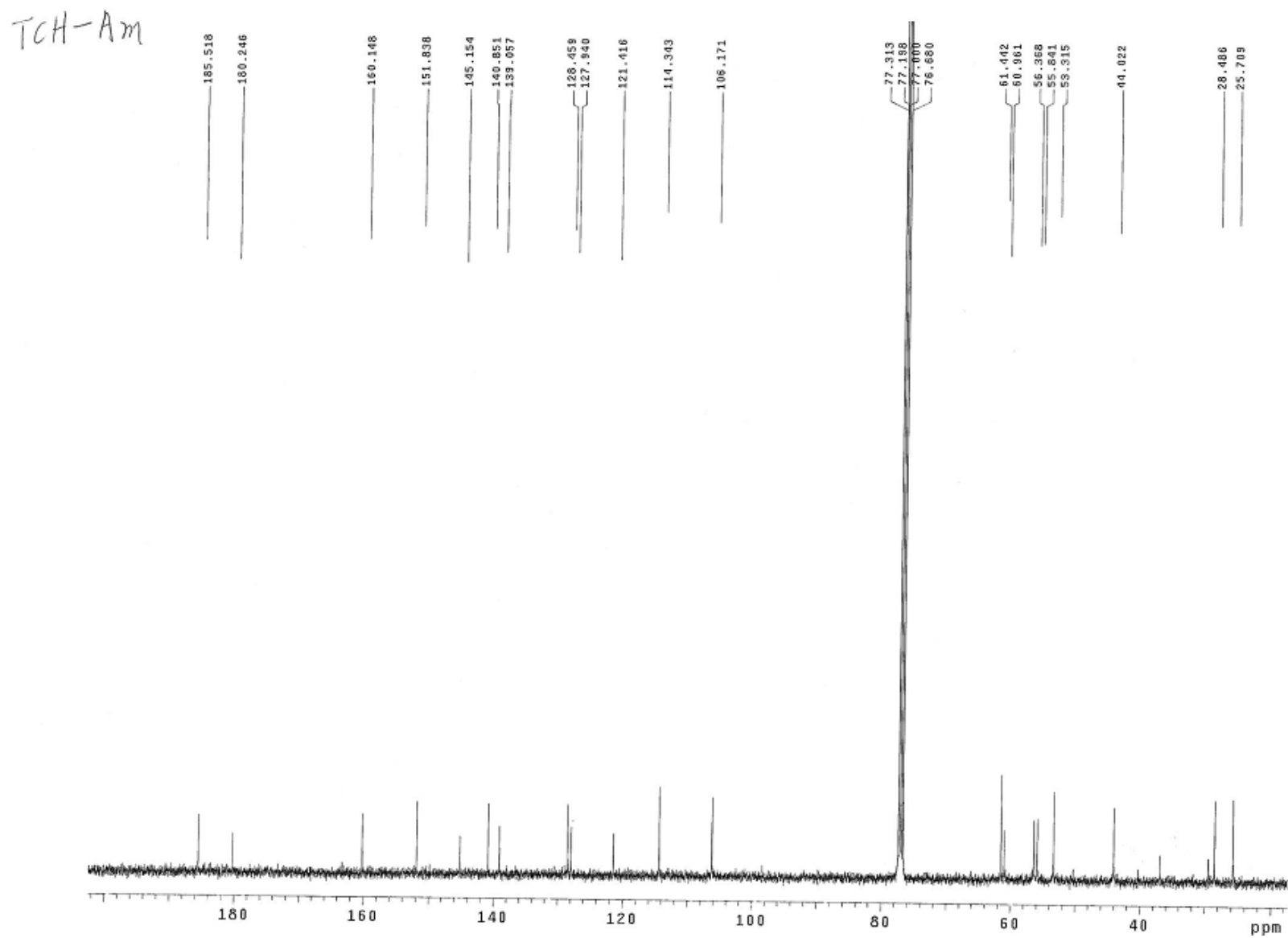
Figure S29. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 6a,7-dihydrogen-isocorydione (**10**).

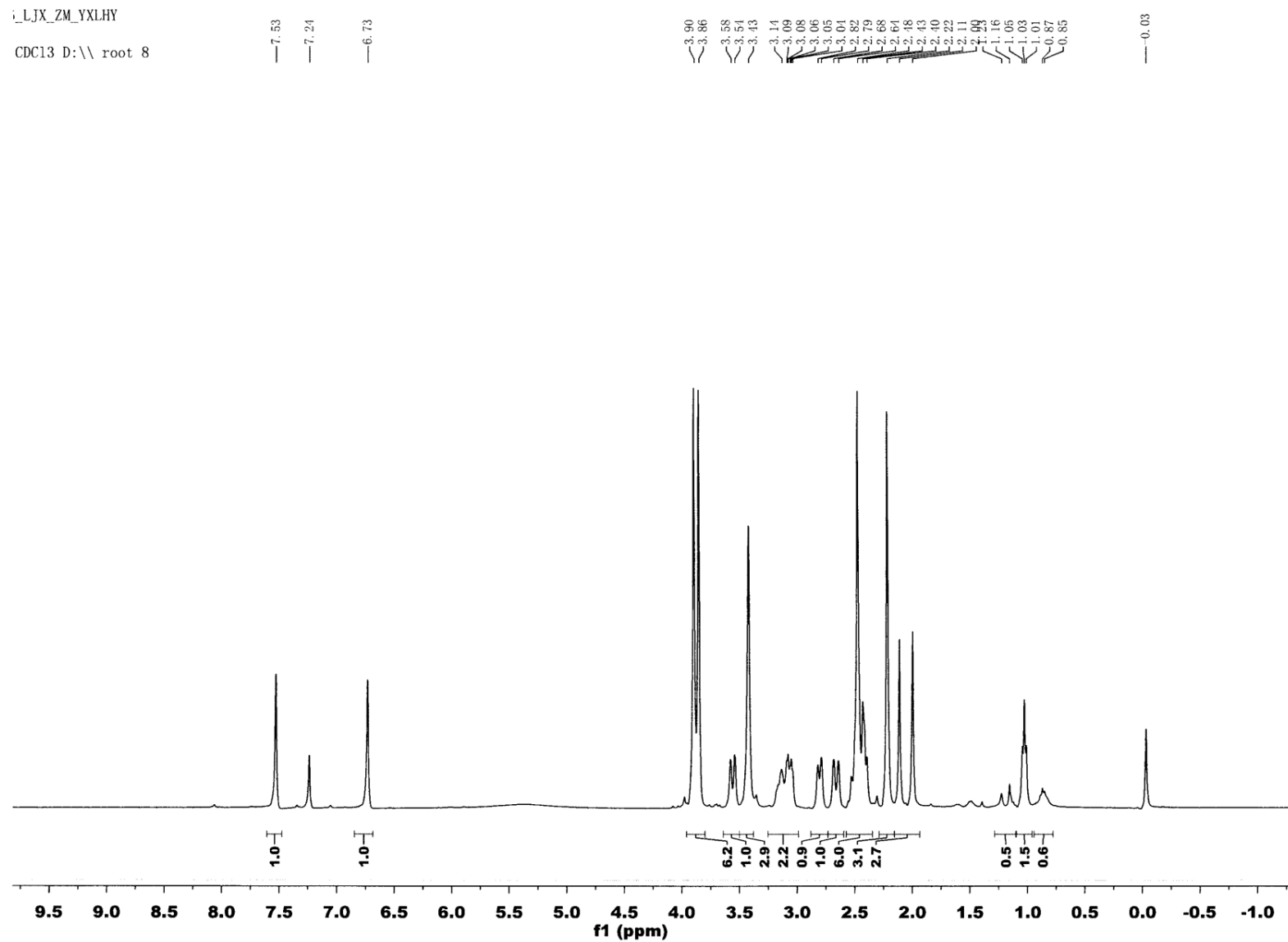
Figure S30. $^1\text{H-NMR}$ (400 MHz, CDCl_3) spectra of 8-acetamino-isocorydine (**11**).

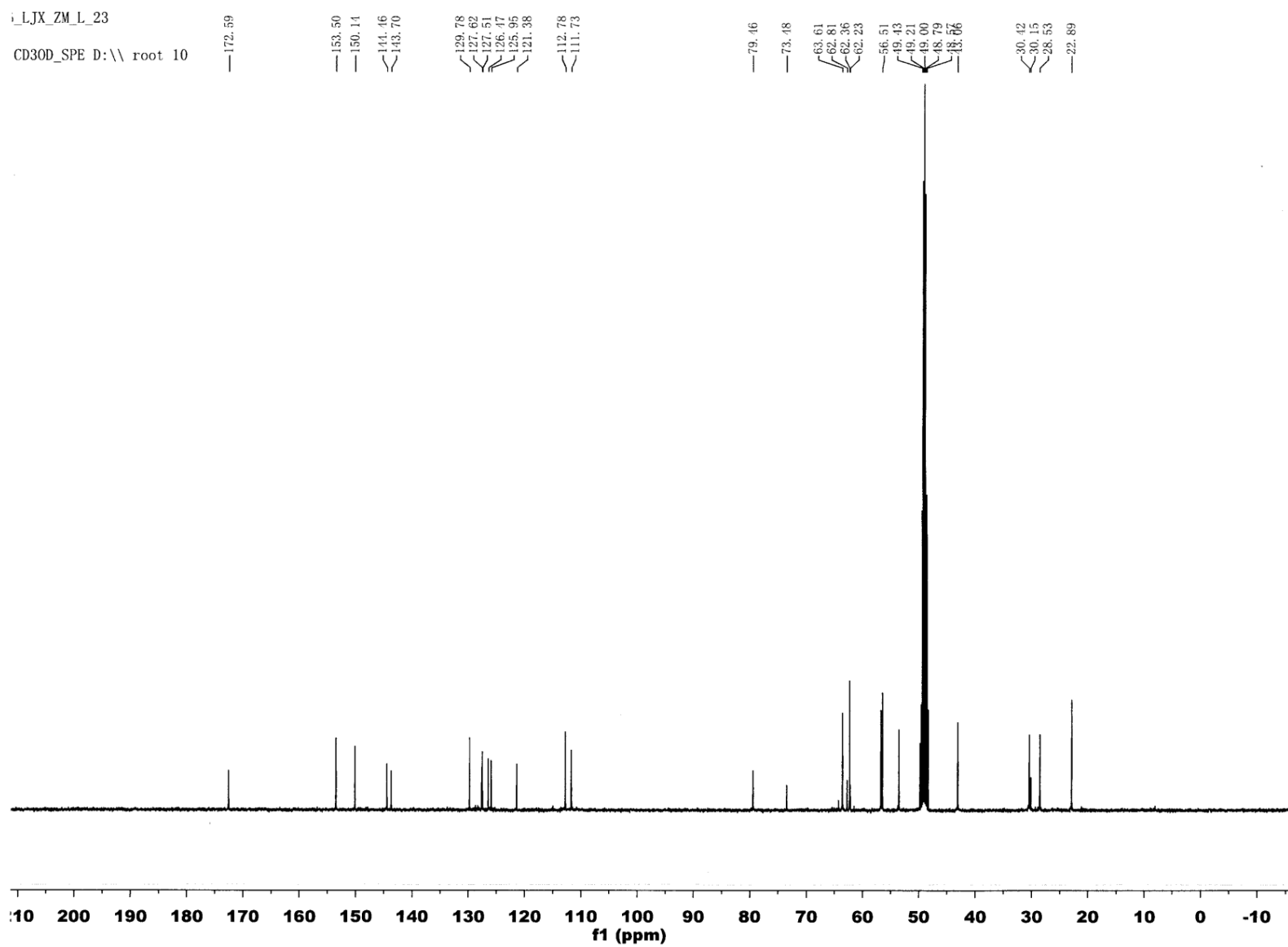
Figure S31. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 8-acetamido-isocorydine (**11**).

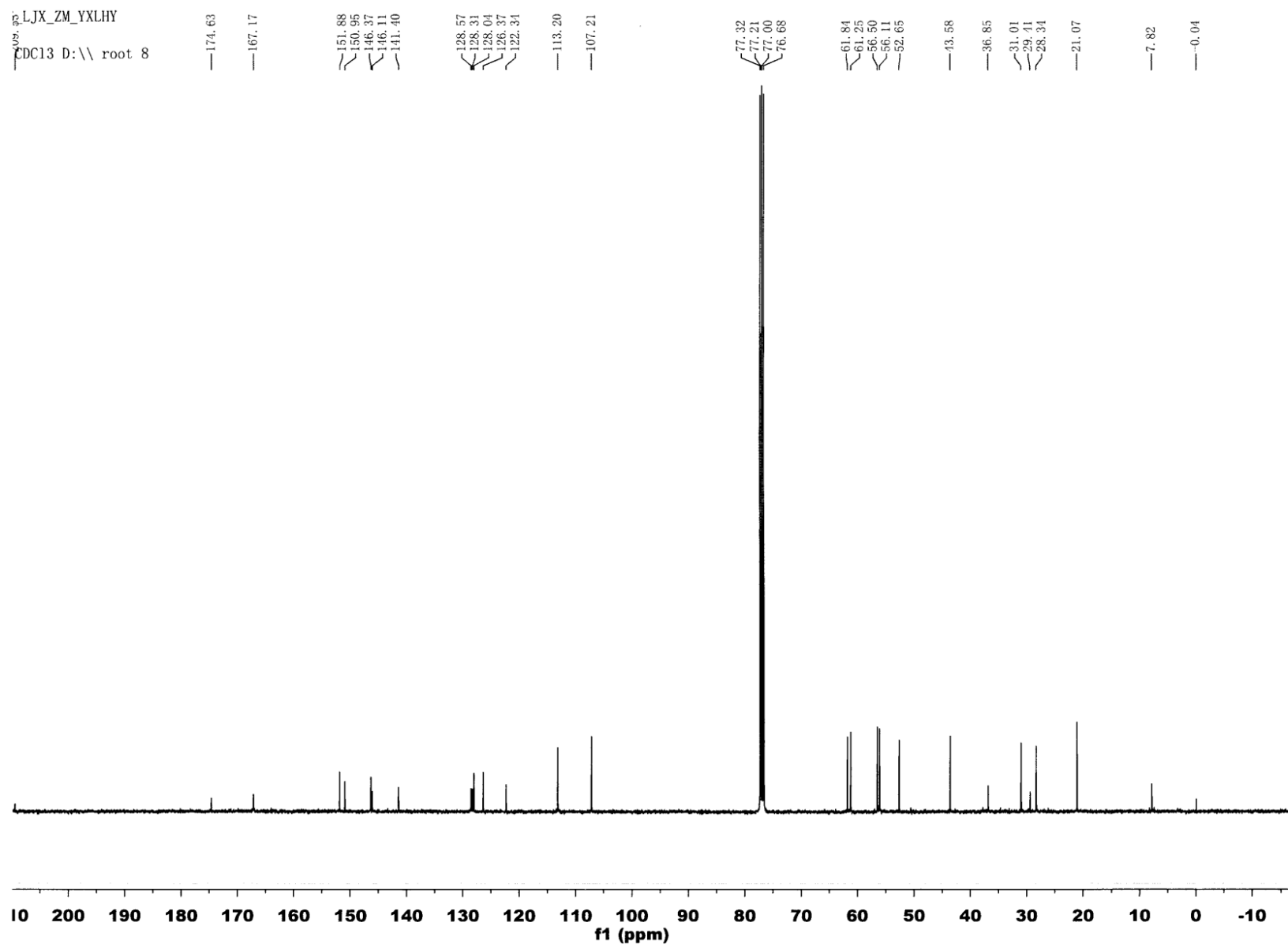
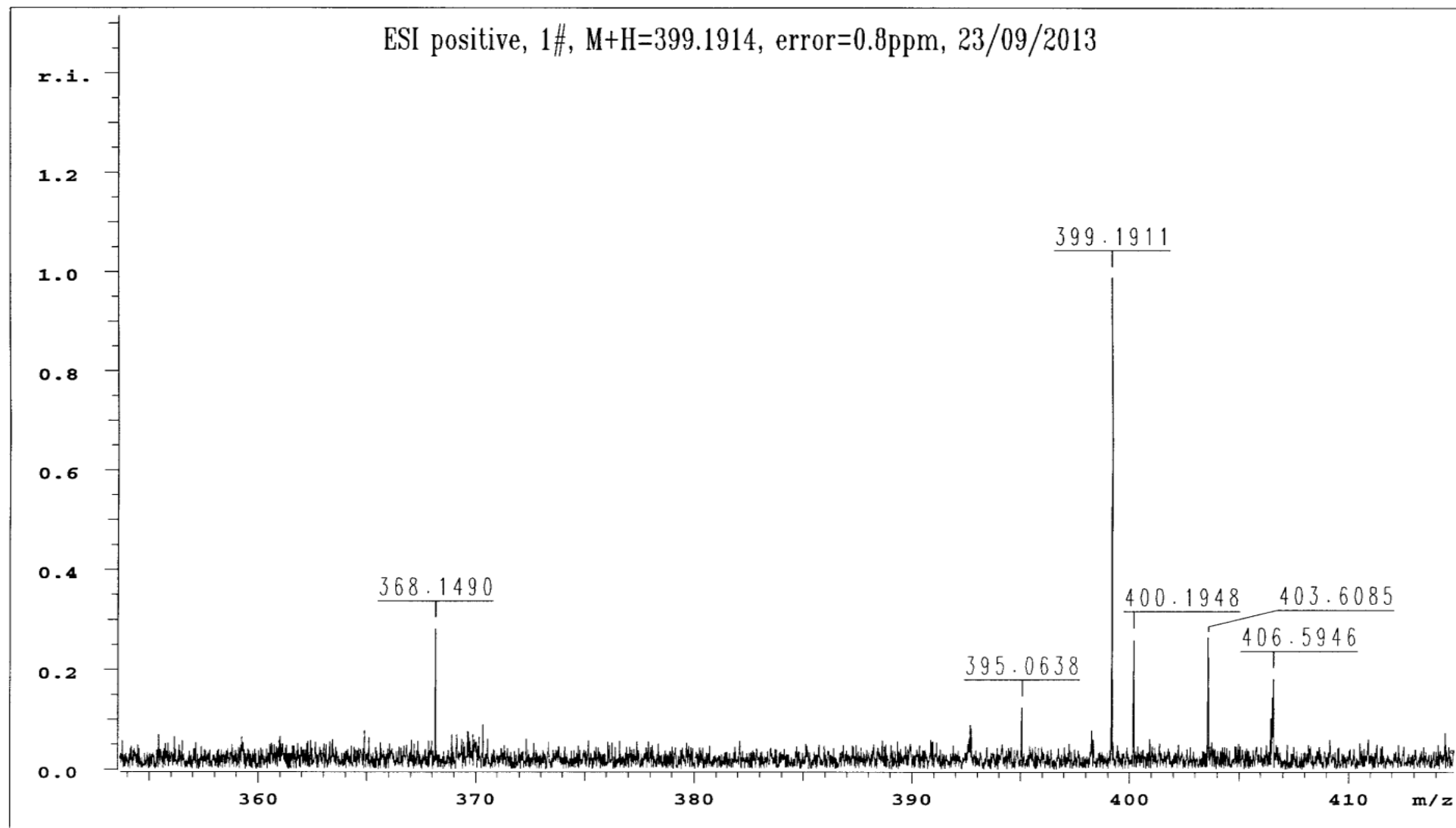
Figure S32. ^{13}C -NMR (100 MHz, CDCl_3) spectra of 8-acetamino-isocorydine (**11**).

Figure S33. HRMS (ESI) spectra of 8-acetamino-isocorydine (**11**).

/u/data/TRAINING/zhongmei130923/1/pdata/1 xspec Mon Sep 23 22:16:07 2013