

Supporting Information

Figure S1. ^1H -NMR (CDCl_3 , 400 MHz) spectrum of Astartaricusone A (**1**).

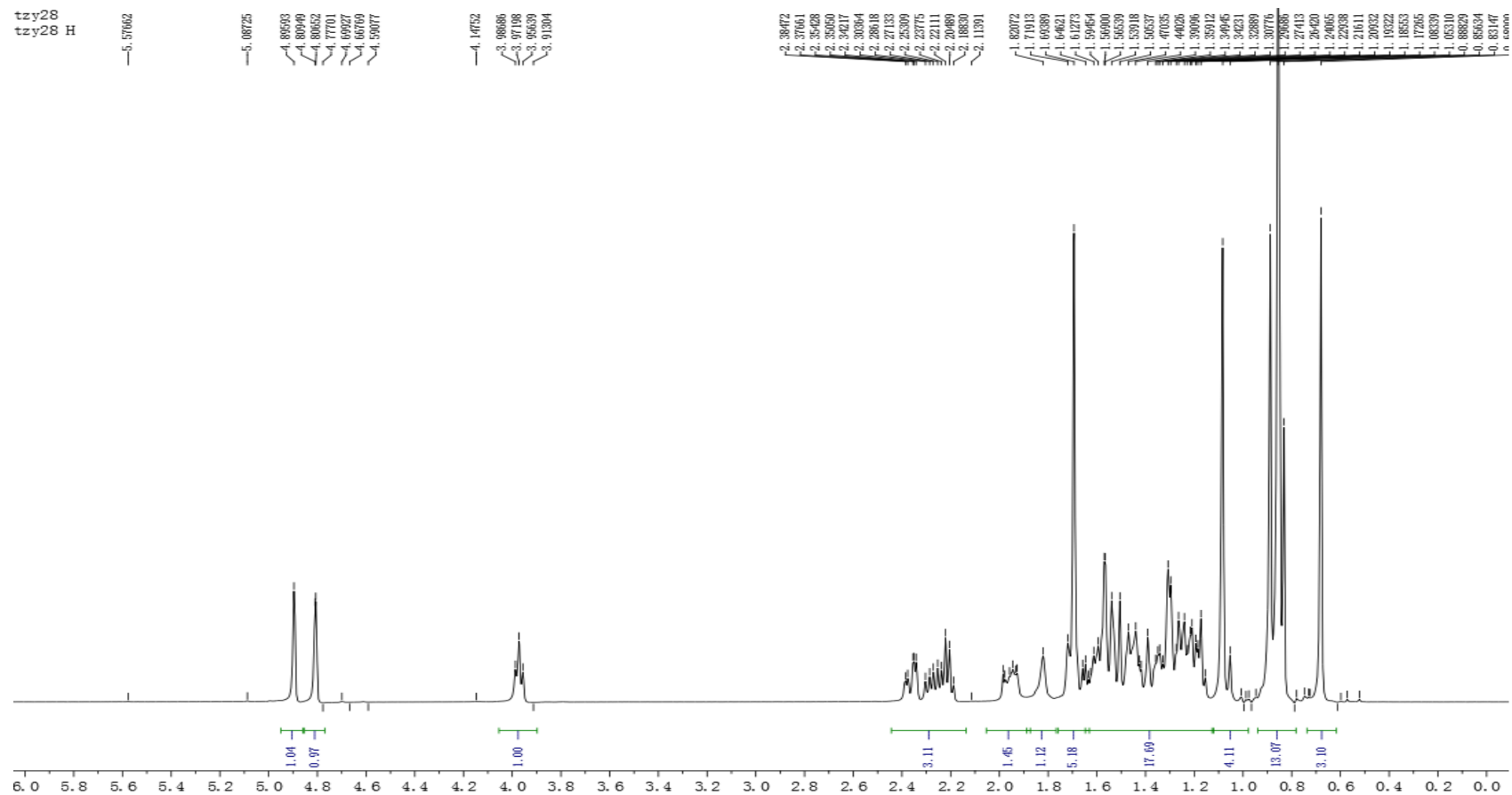


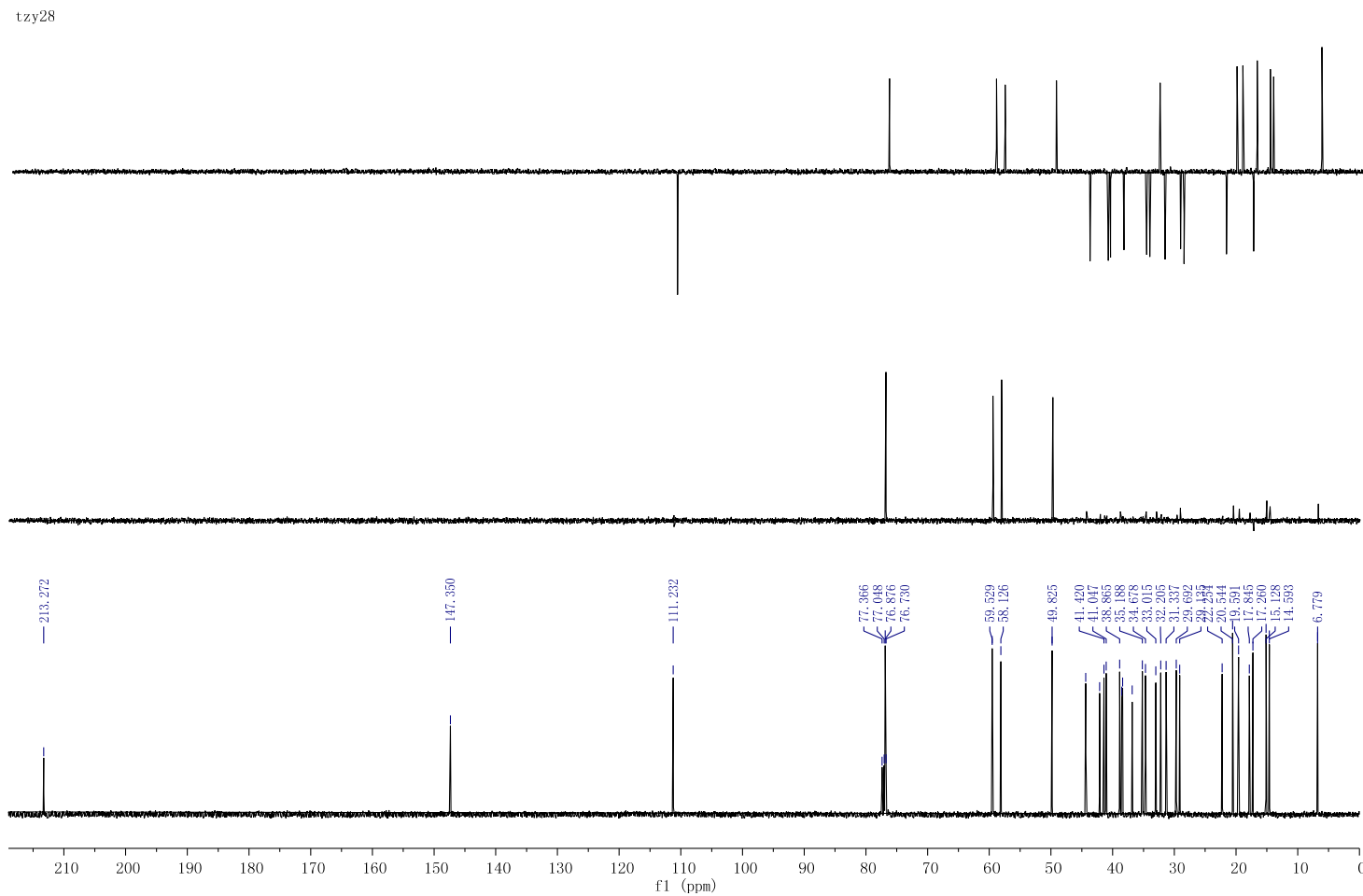
Figure S2. ^{13}C -NMR (CDCl_3 , 100 MHz) spectrum of Astartaricusone A (**1**).

Figure S3. HSQC (CDCl_3 , 500 MHz) spectrum of Astataricusone A (**1**).

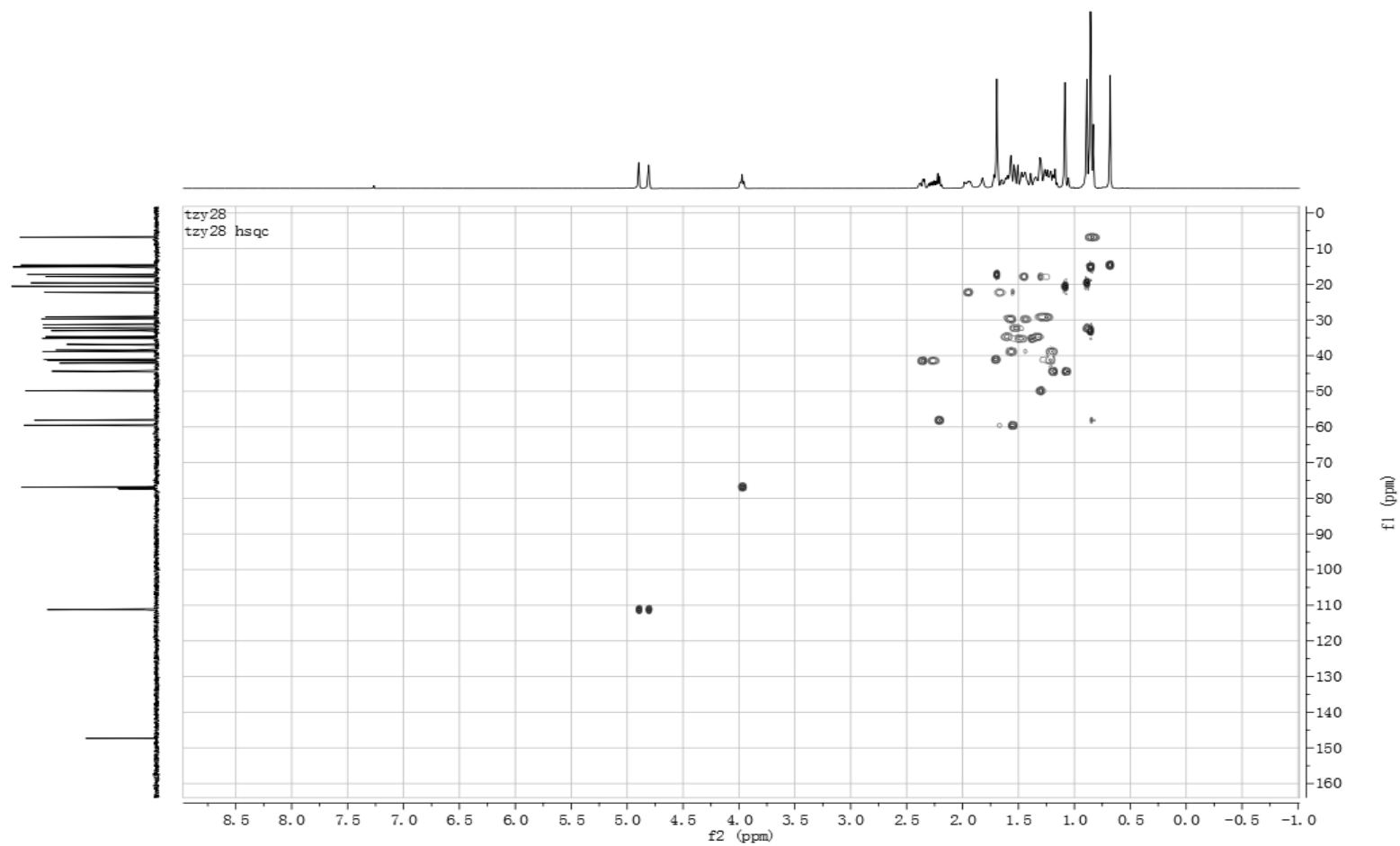


Figure S4. ^1H - ^1H COSY (CDCl_3 , 500 MHz) spectrum of Astataricusone A (**1**).

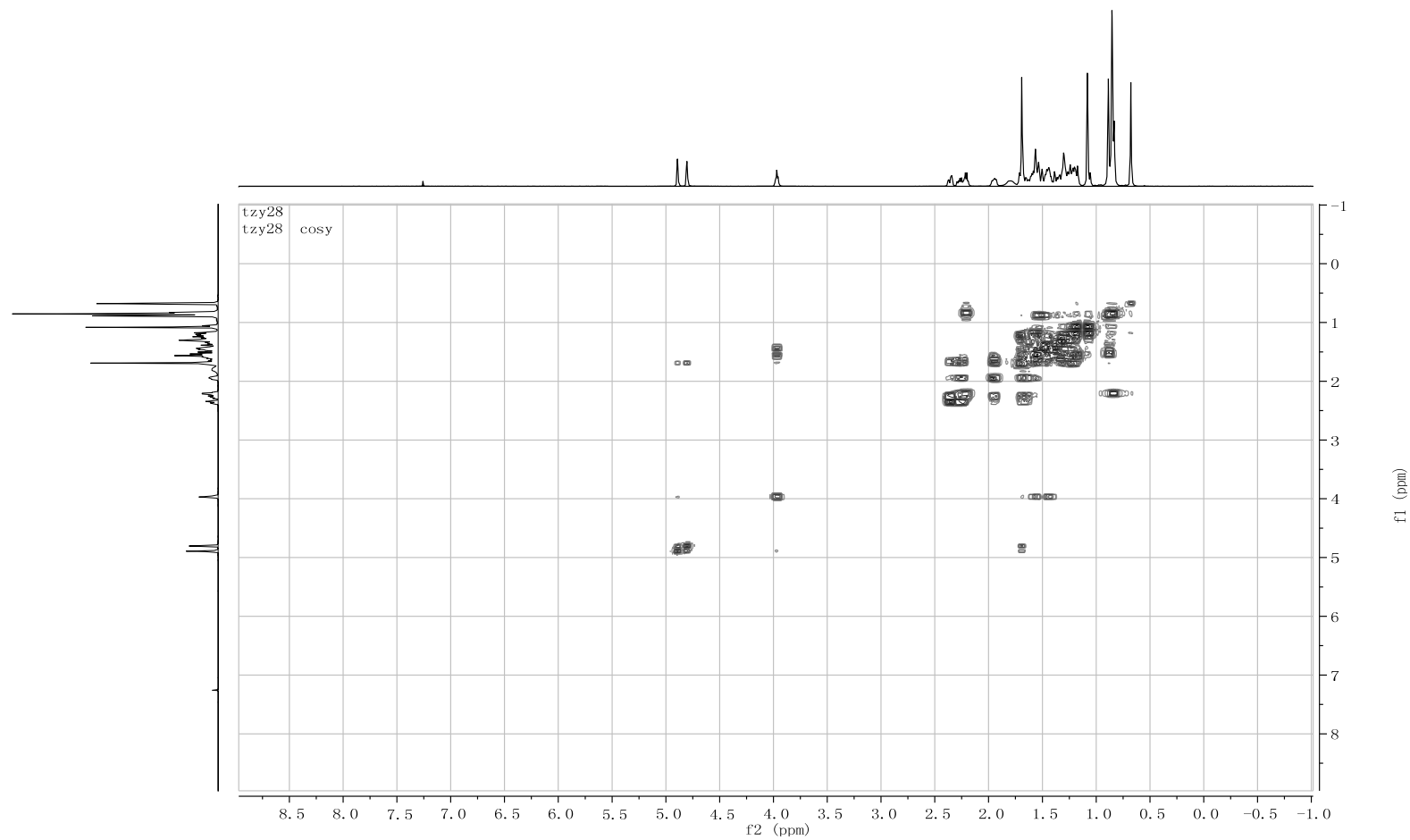


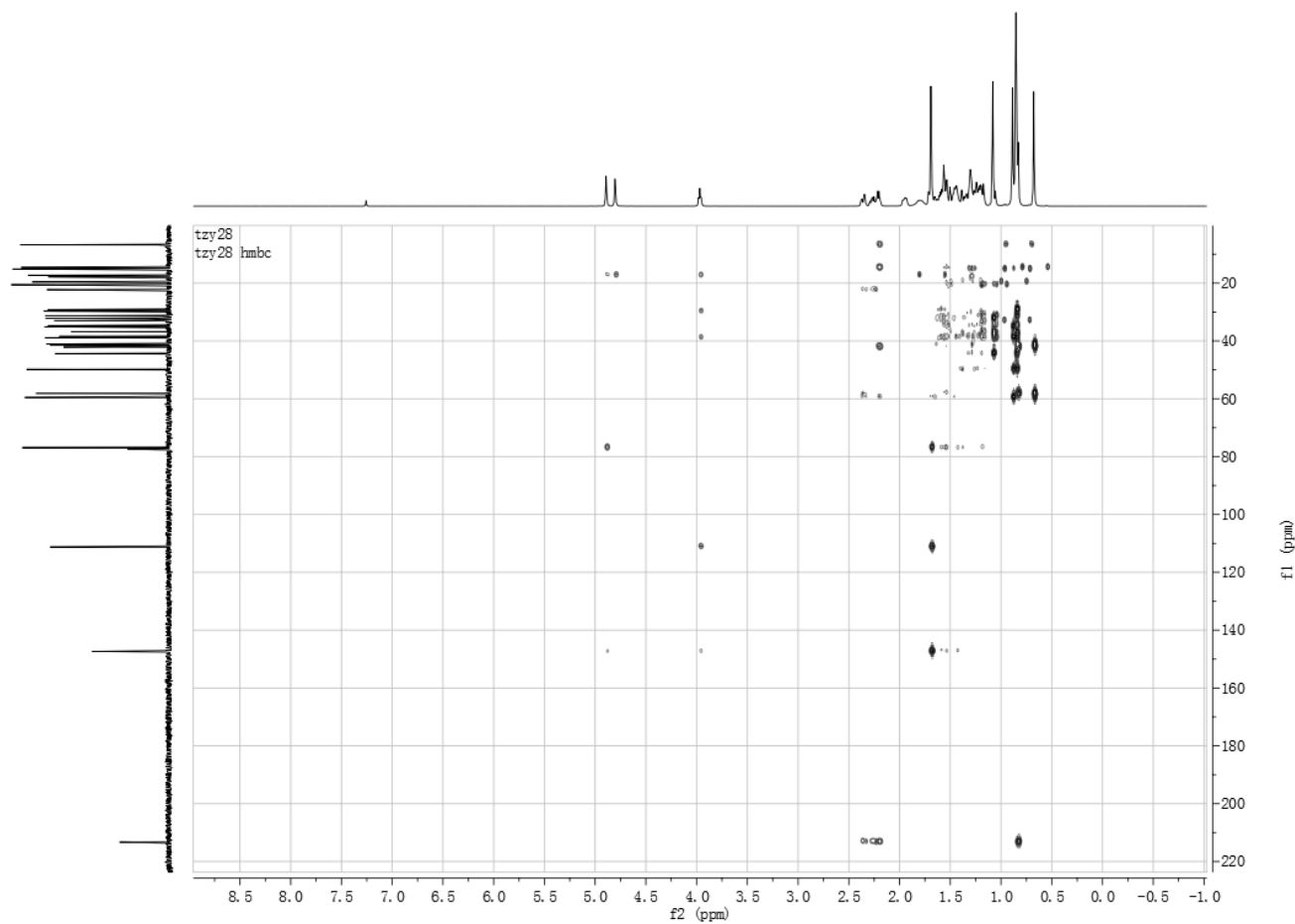
Figure S5. HMBC (CDCl_3 , 500 MHz) spectrum of Astartaricusone A (**1**).

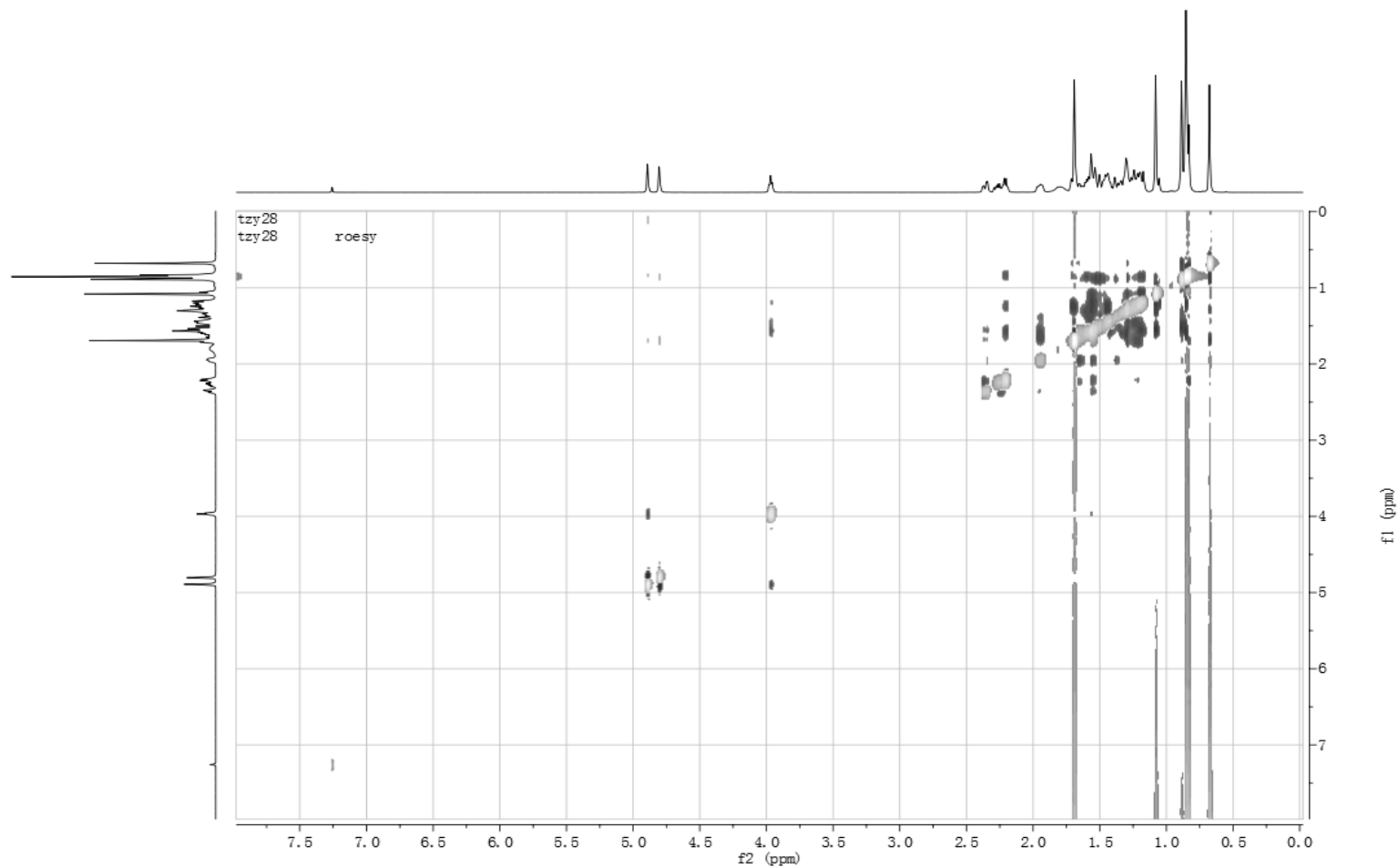
Figure S6. ROESY (CDCl₃, 500 MHz) spectrum of Astataricusone A (**1**).

Figure S7. HREIMS spectrum of Astartaricusone A (1).

Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

27 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

Elements Used:

C: 0-200 H: 0-400 O: 0-3

tzj28

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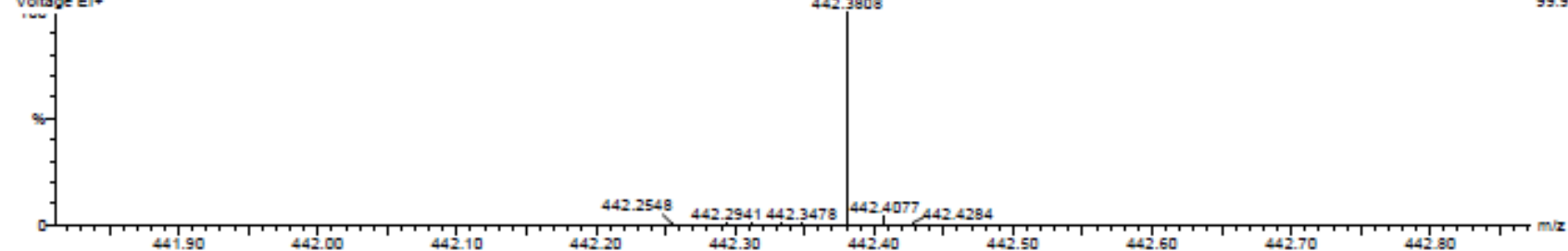
Voltage E1+

K1B
M120902EA-07AFAMM 11 (1.010)

Autospec Premier

P776

99.9



Minimum: -10.0
Maximum: 100.0 10.0 120.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
442.3808	442.3811	-0.3	-0.7	6.0	5546068.5	C30 H50 O2

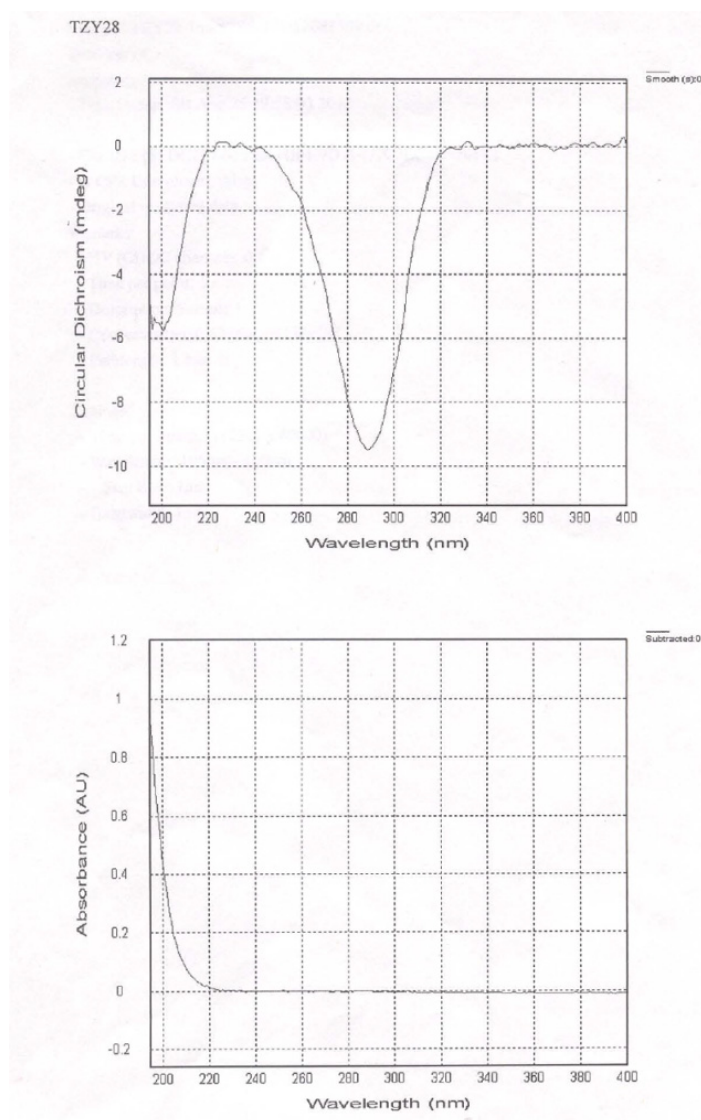
Figure S8. CD (MeOH) spectrum of Astataricusone A (**1**).

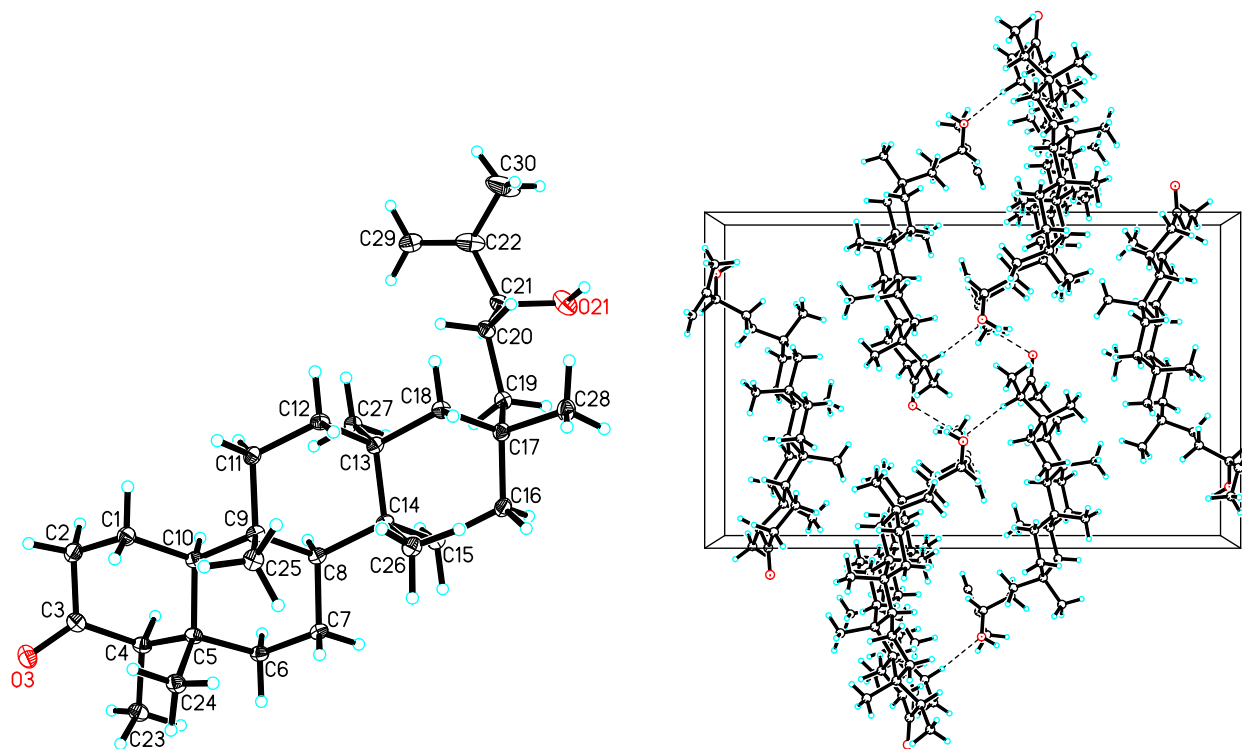
Figure S9. X-ray crystallographic structure of Astartaricusone A (1).

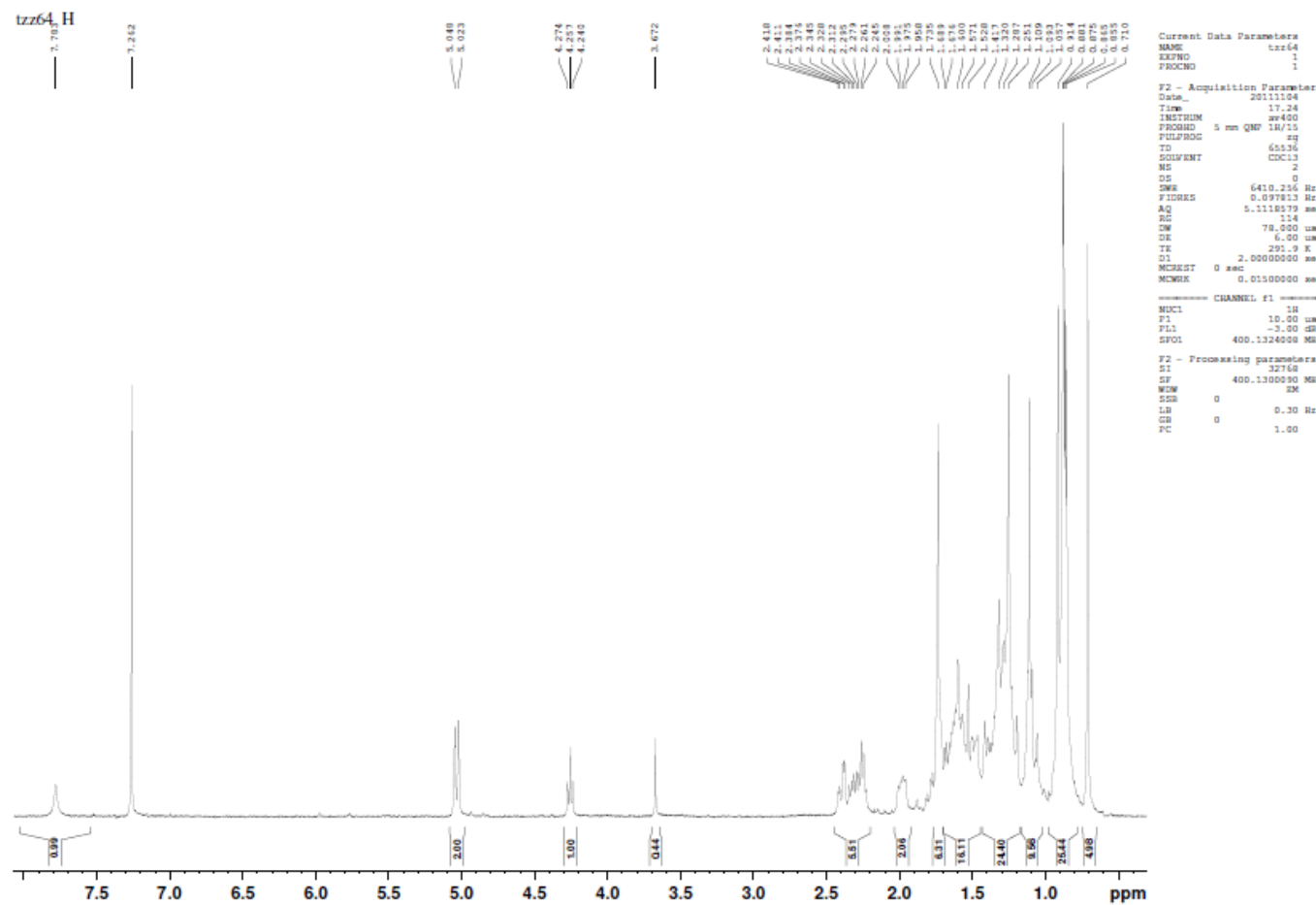
Figure S10. ^1H -NMR (CDCl_3 , 400 MHz) spectrum of Astartaricusone B (2).

Figure S11. ^{13}C -NMR (CDCl_3 , 100 MHz) spectrum of Astartaricusone B (**2**).

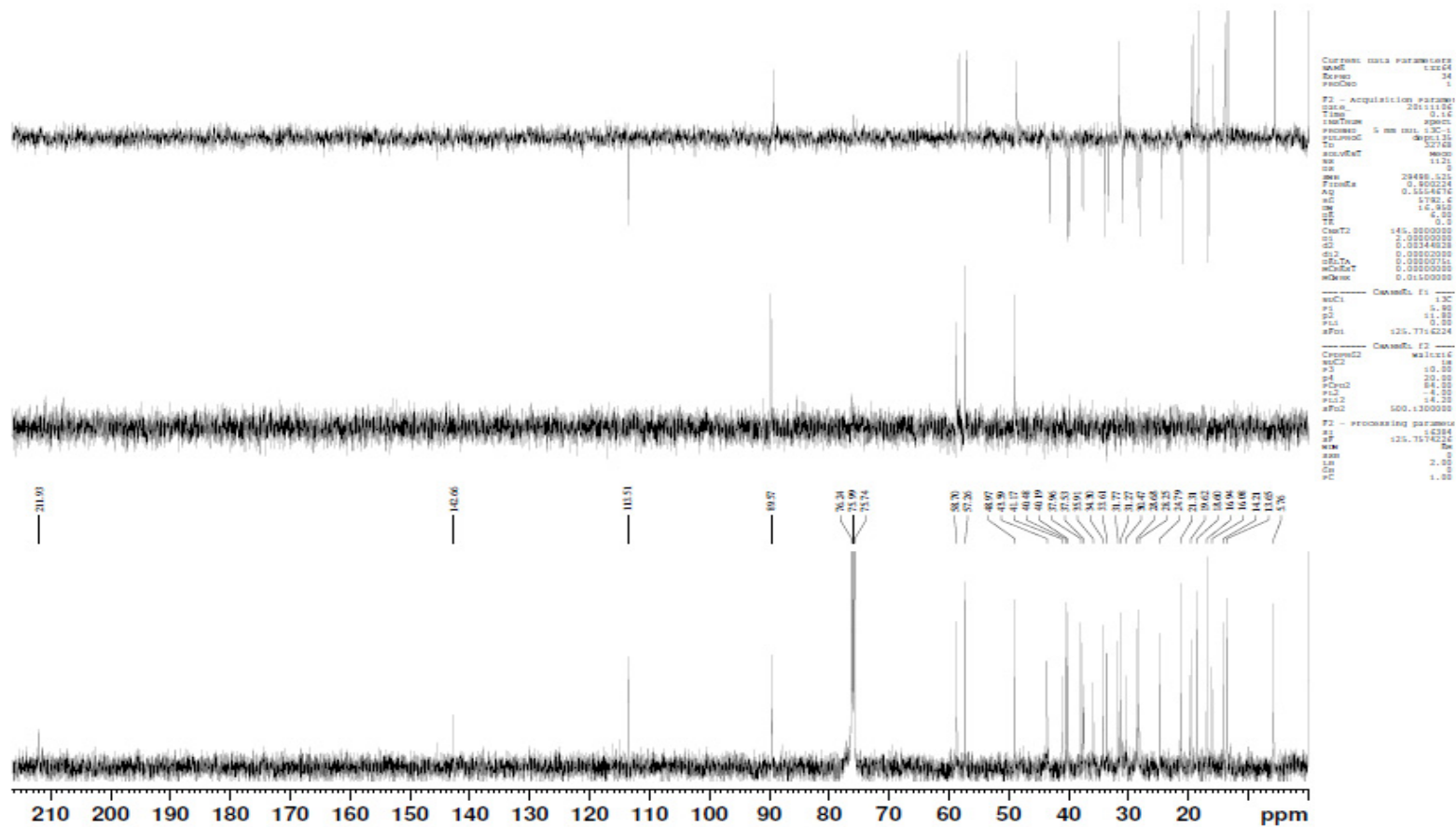


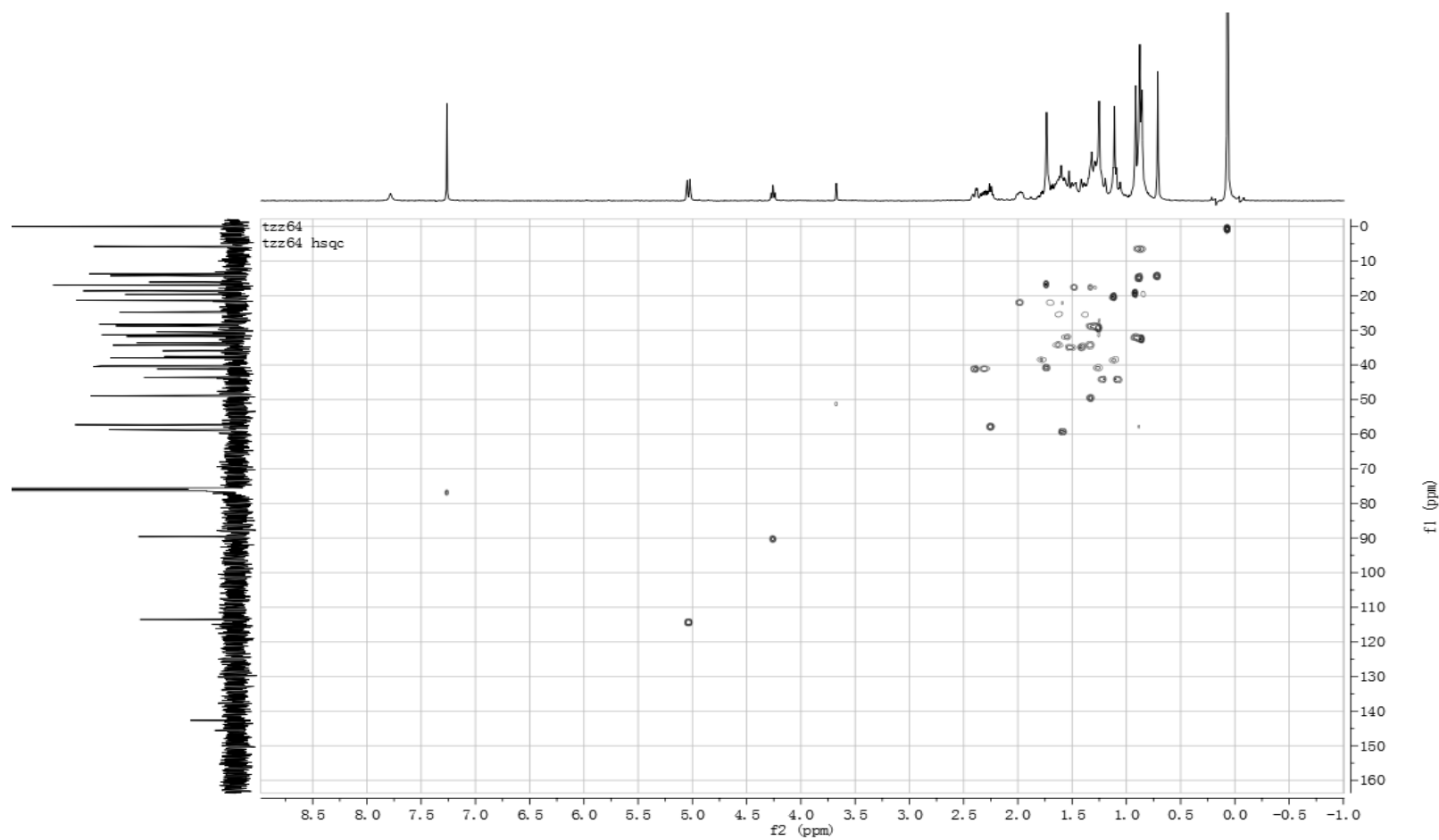
Figure S12. HSQC (CDCl_3 , 500 MHz) spectrum of Astartaricusone B (2).

Figure S13. ^1H - ^1H COSY (CDCl_3 , 500 MHz) spectrum of Astataricusone B (**2**).

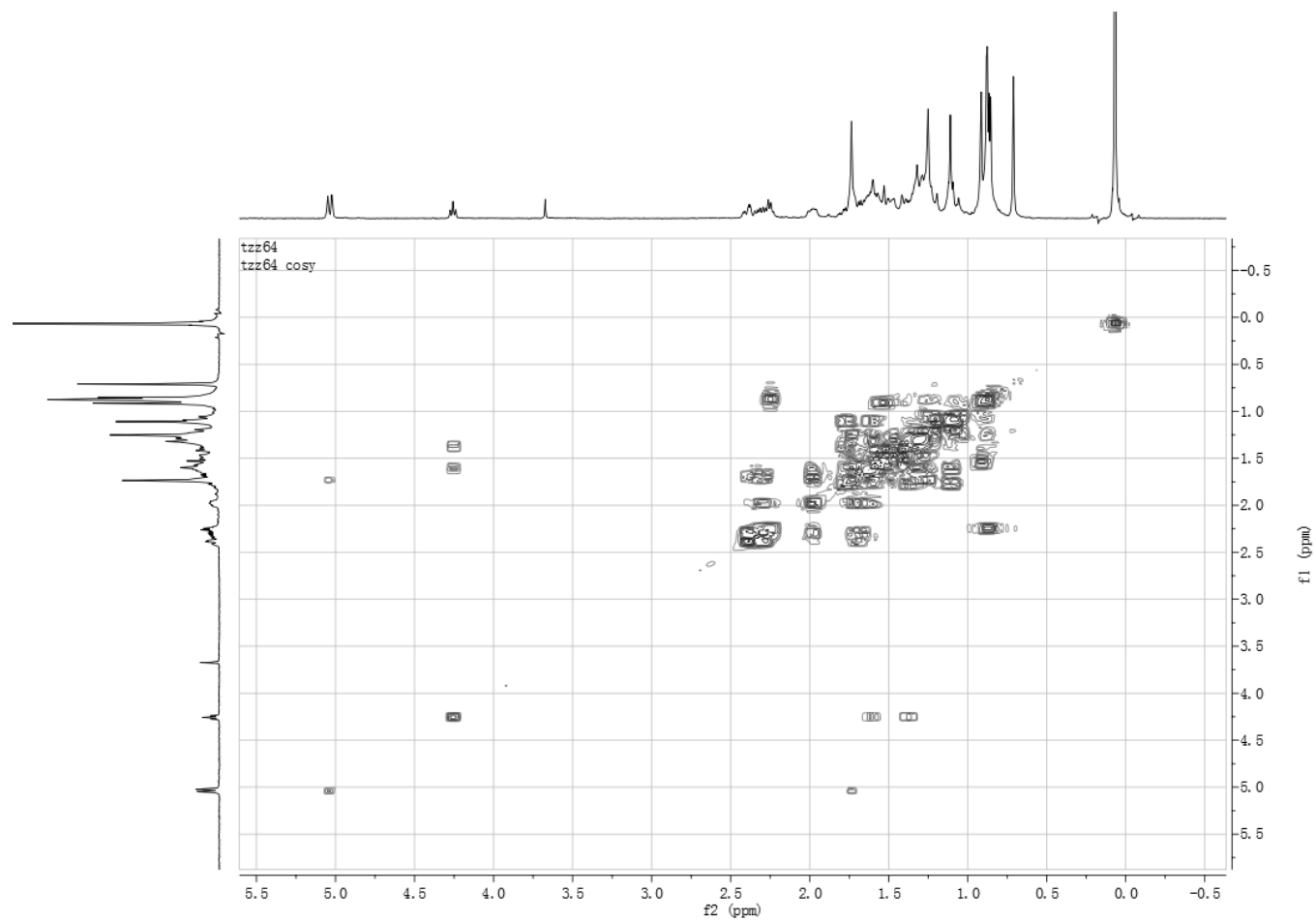


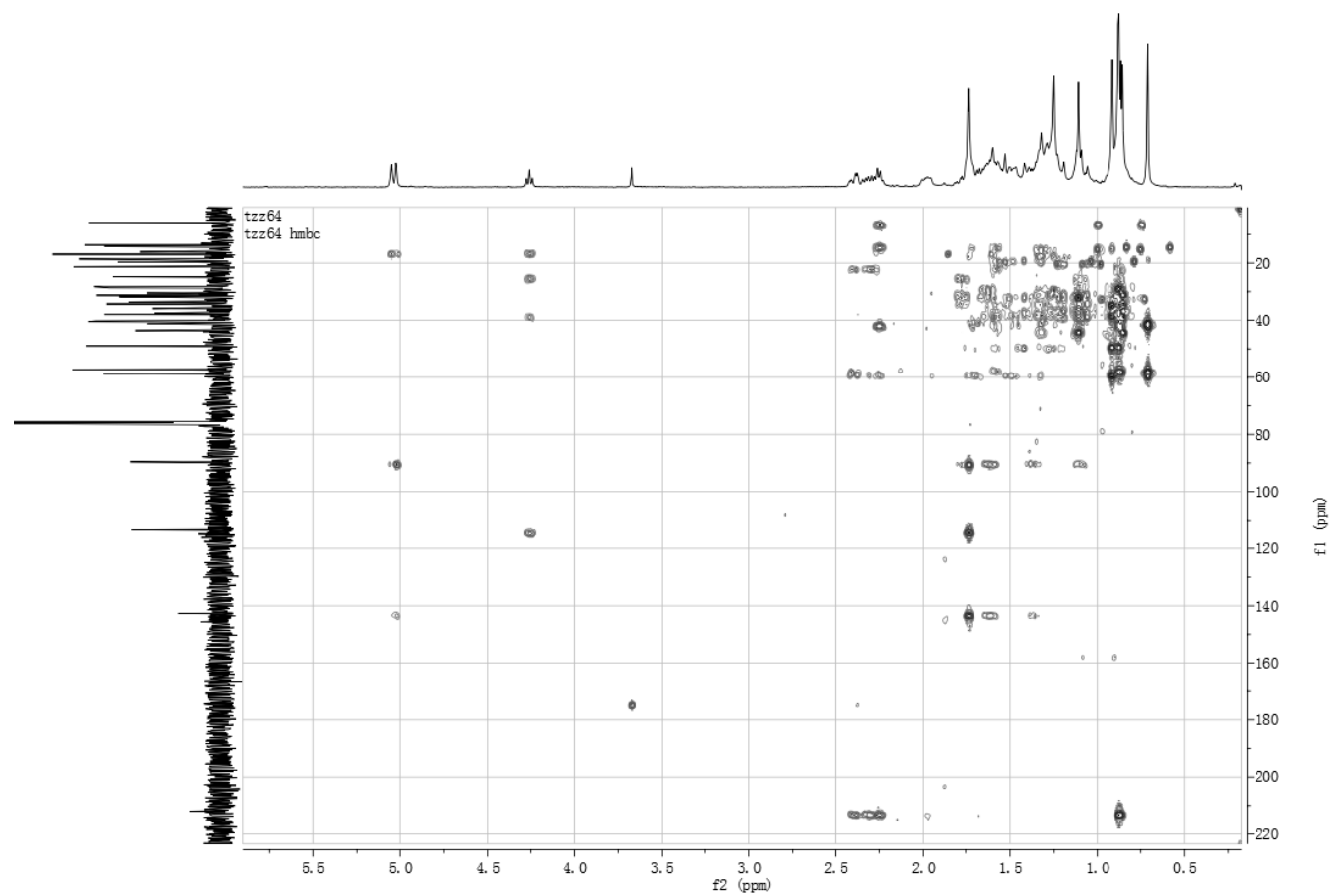
Figure S14. HMBC (CDCl₃, 500 MHz) spectrum of Astartaricusone B (**2**).

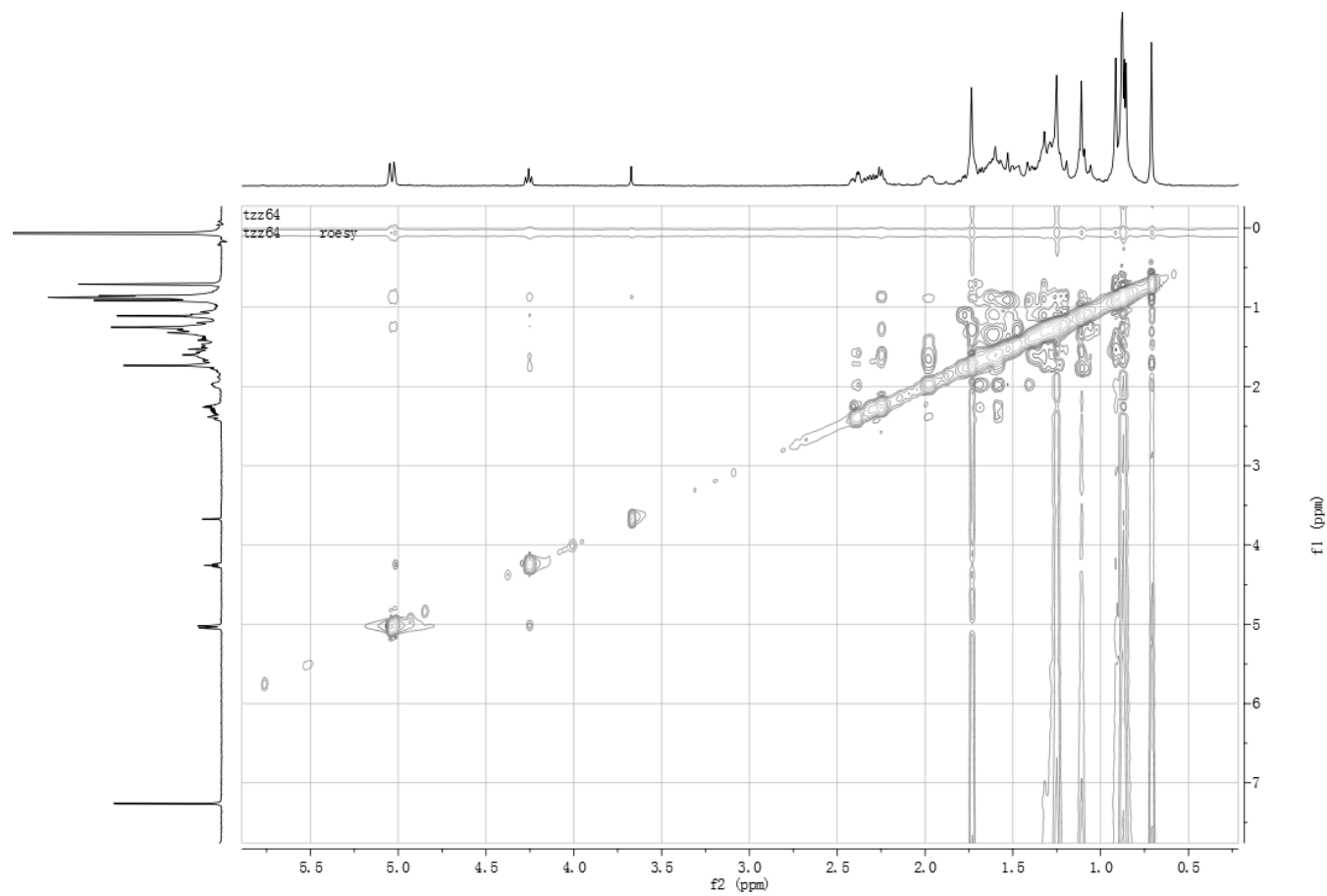
Figure S15. ROESY (CDCl₃, 500 MHz) spectrum of Astartaricusone B (**2**).

Figure S16. HREIMS spectrum of Astataricusone B (2).

Elemental Composition Report

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Single Mass Analysis

Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

27 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

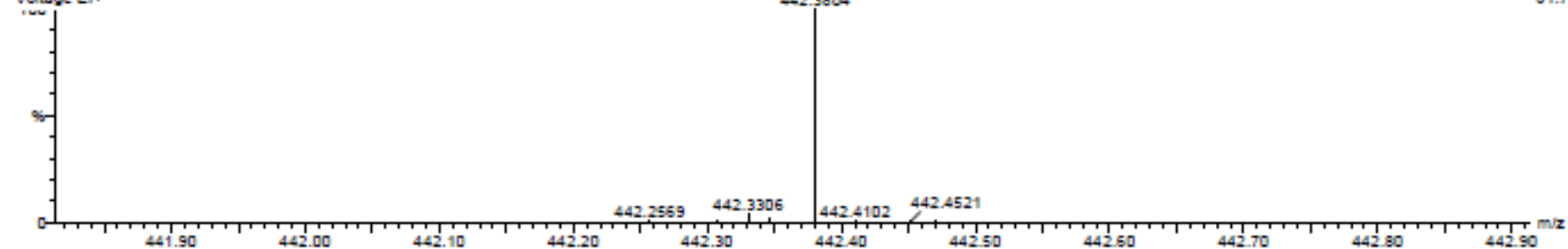
Elements Used:

C: 0-200 H: 0-400 O: 0-3

tzz54

14:11:22 30-Aug-2012

Voltage EI+



Minimum: -10.0

Maximum: 100.0 10.0 120.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
442.3804	442.3811	-0.7	-1.6	6.0	5546049.5	C30 H50 O2

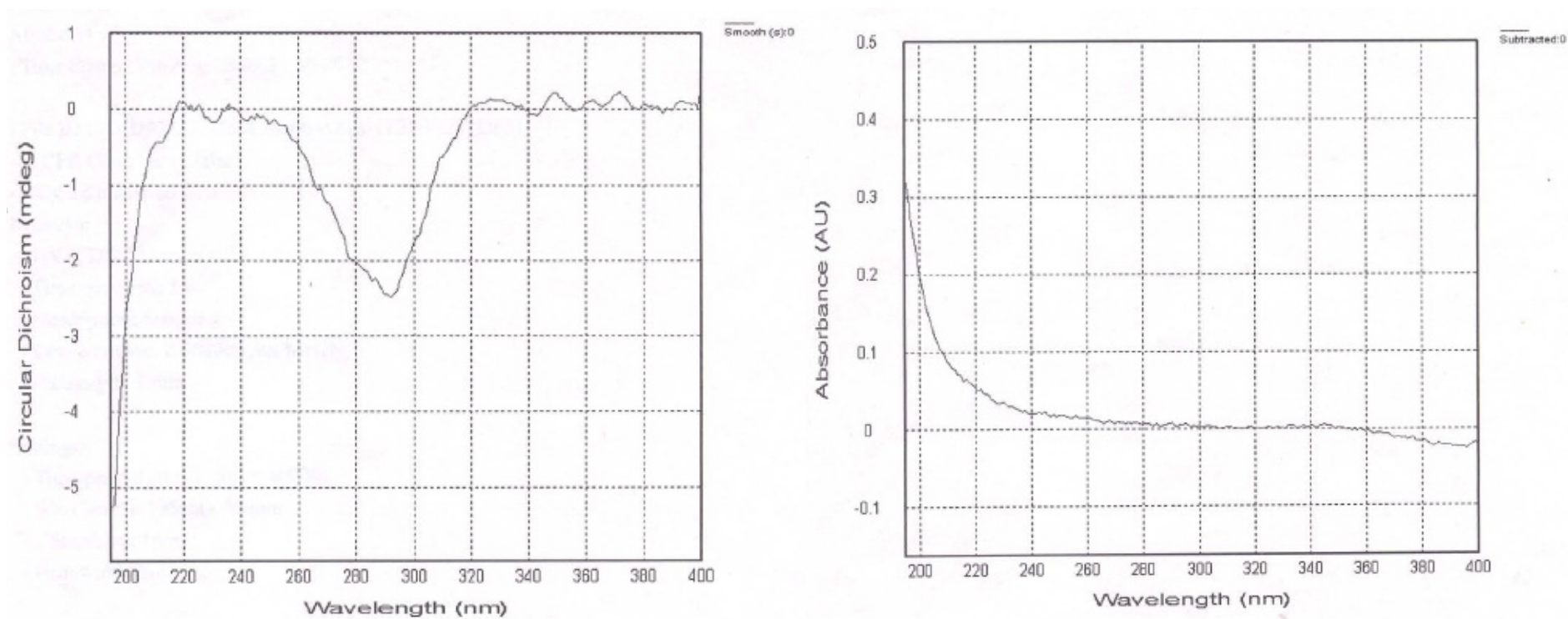
Figure S17. CD (MeOH) spectrum of Astataricusone B (2).

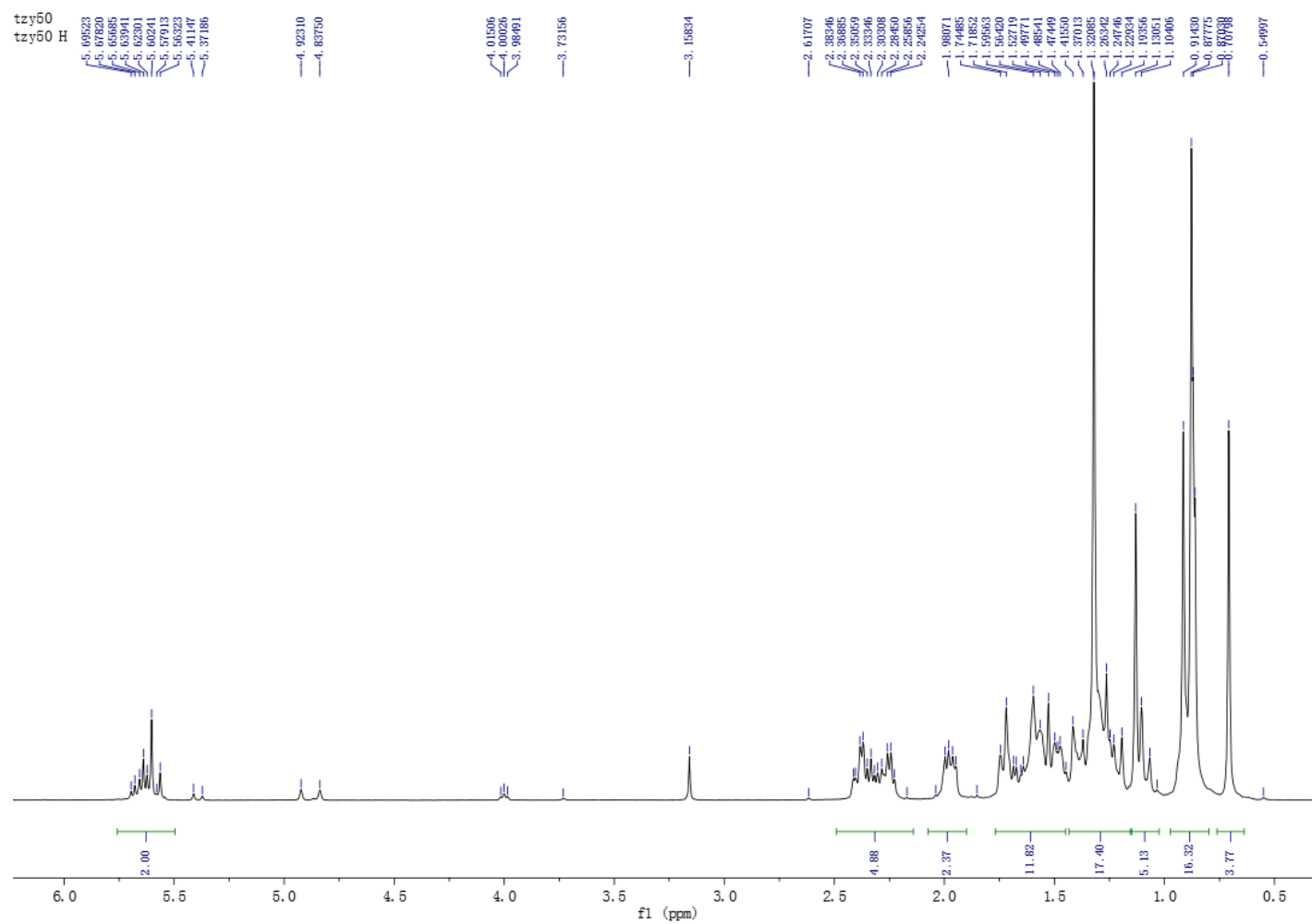
Figure S18. ^1H NMR (CDCl_3 , 400 MHz) spectrum of Astataricusone C (**3**).

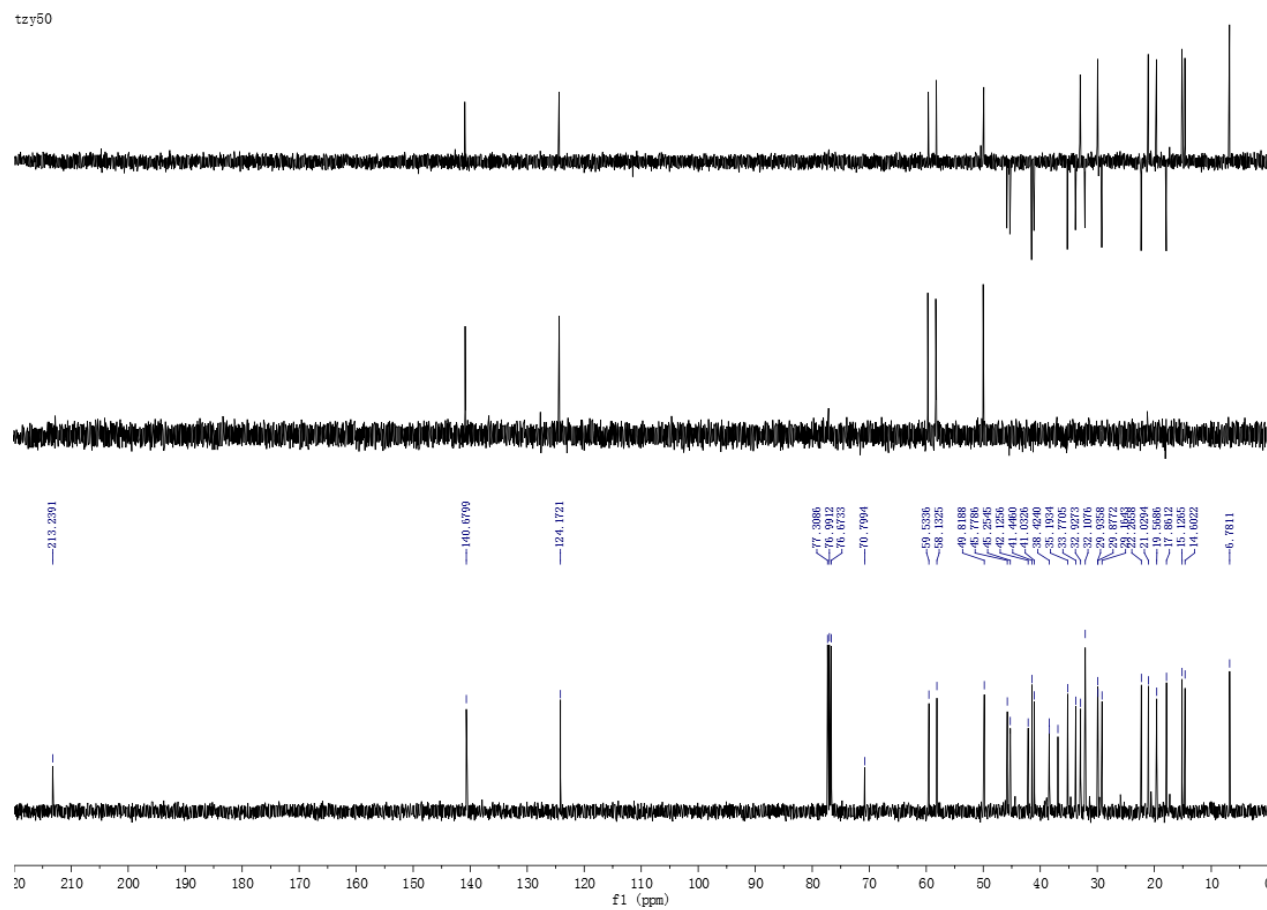
Figure S19. ^{13}C NMR (CDCl_3 , 100 MHz) spectrum of Astataricusone C (**3**).

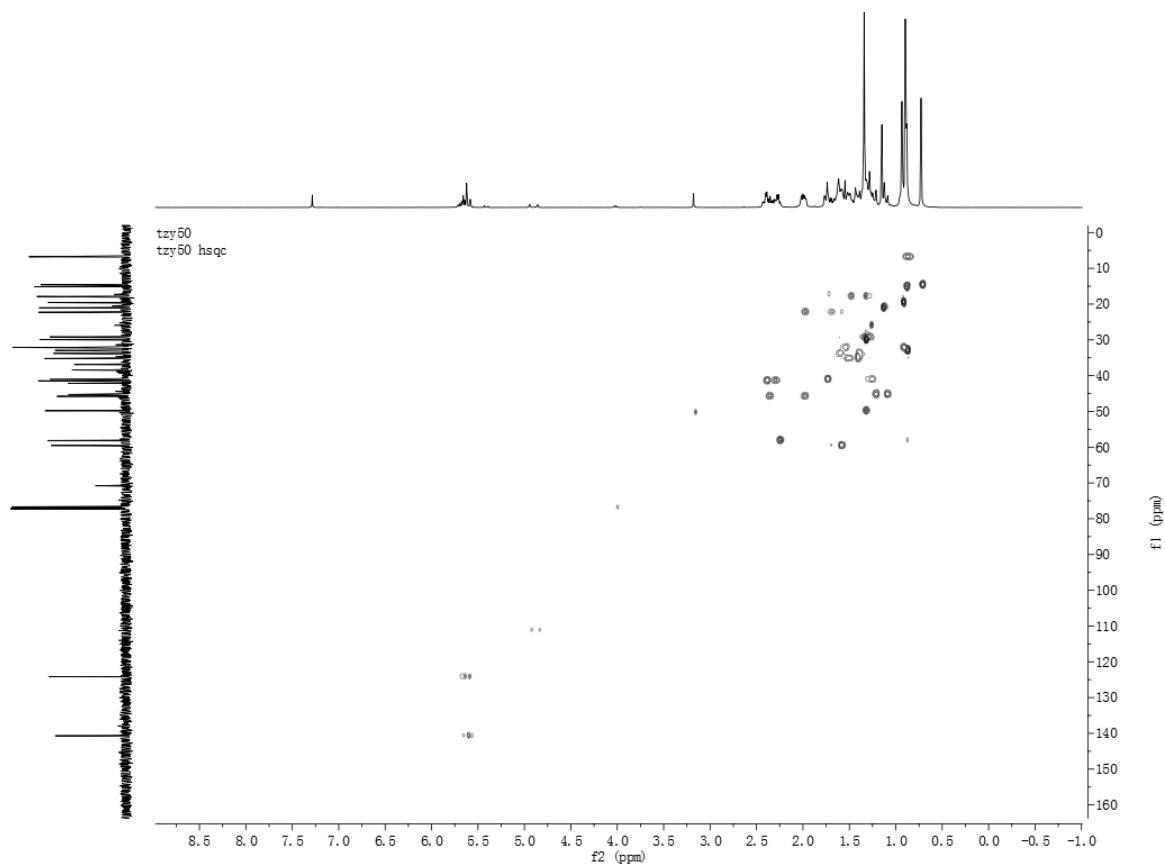
Figure S20. HSQC (CDCl_3 , 500 MHz) spectrum of Astartaricusone C (**3**).

Figure S21. ^1H - ^1H COSY (CDCl_3 , 500 MHz) spectrum of Astataricusone C (**3**).

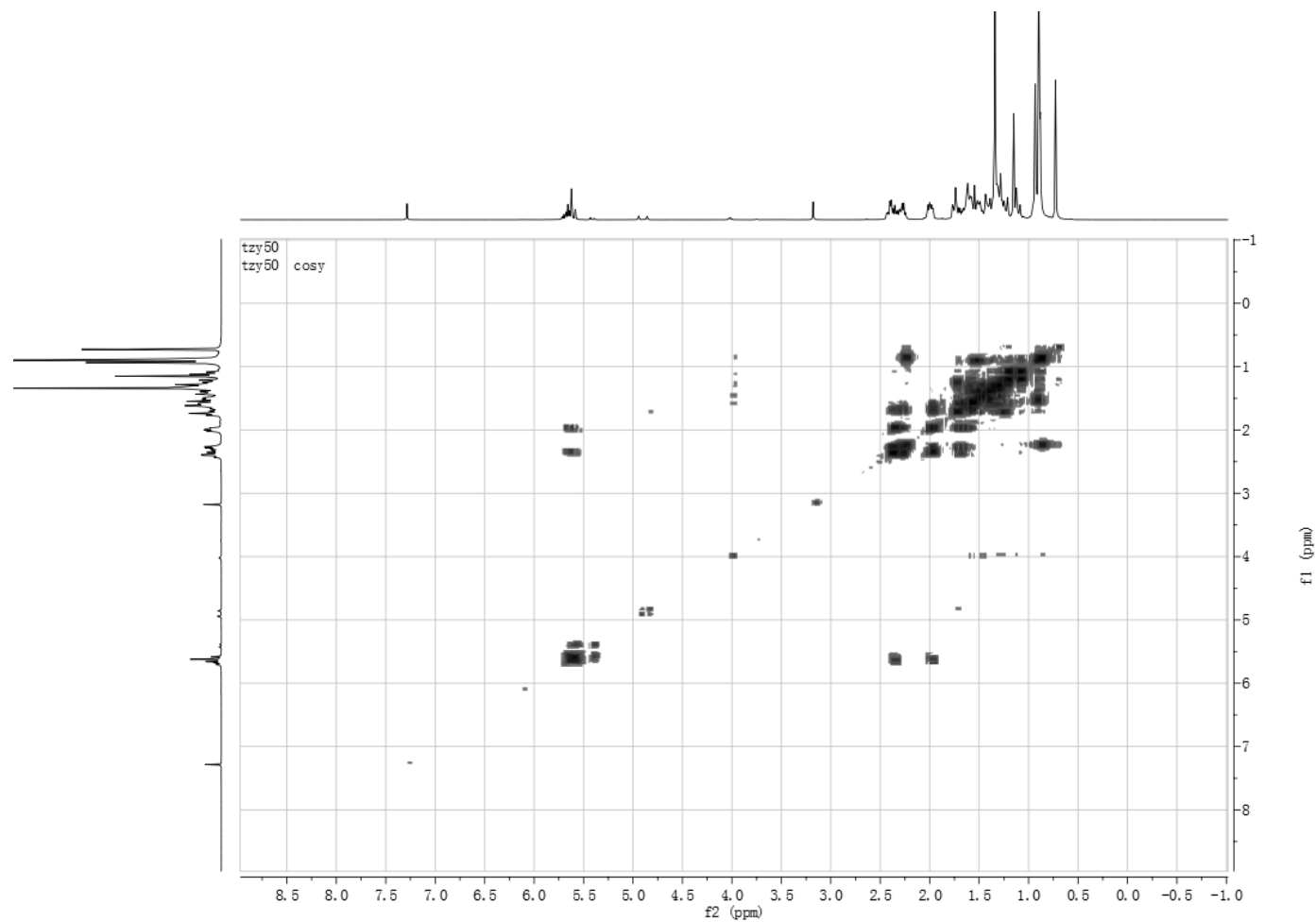


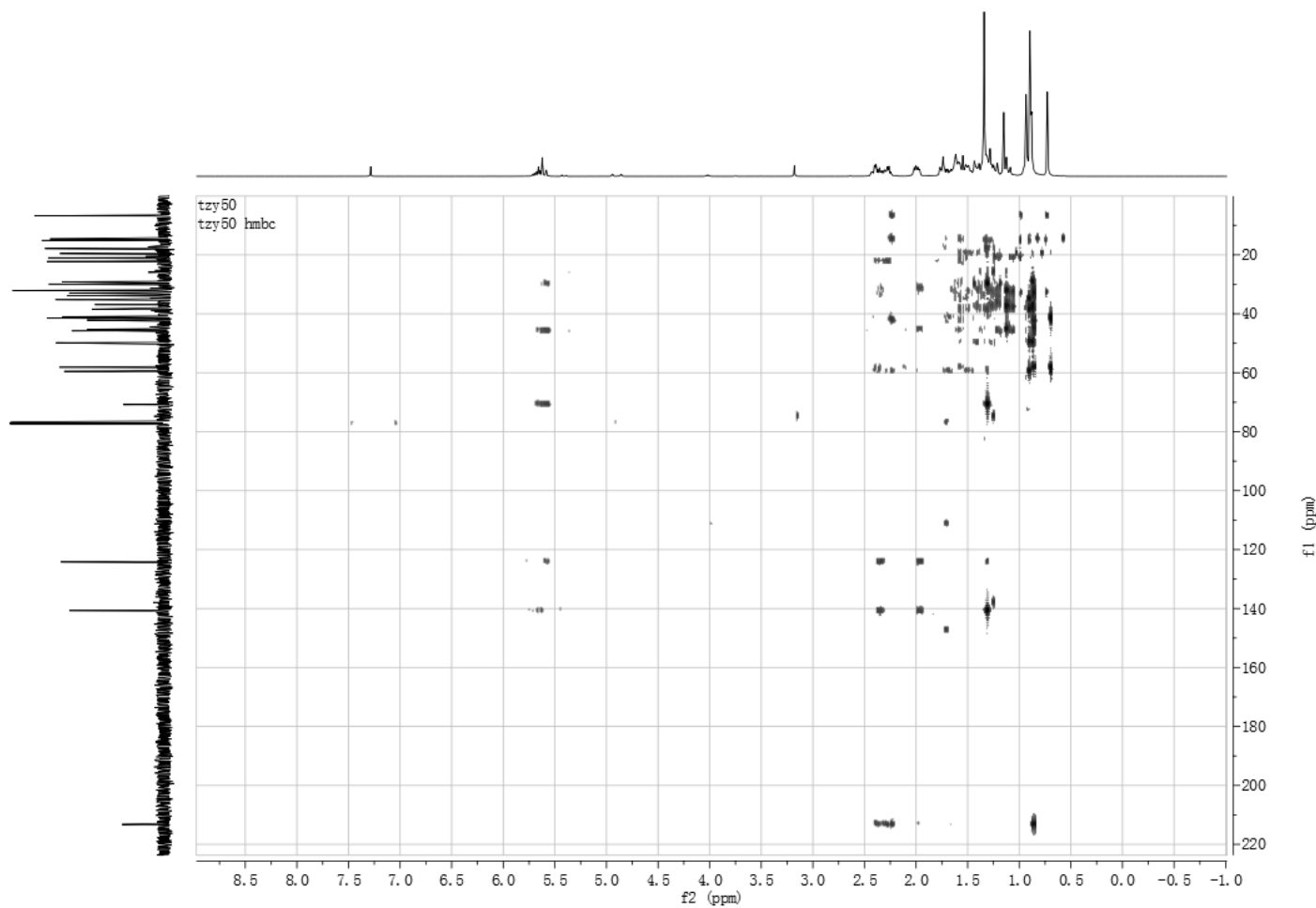
Figure S22. HMBC (CDCl₃, 500 MHz) spectrum of Astataricusone C (**3**).

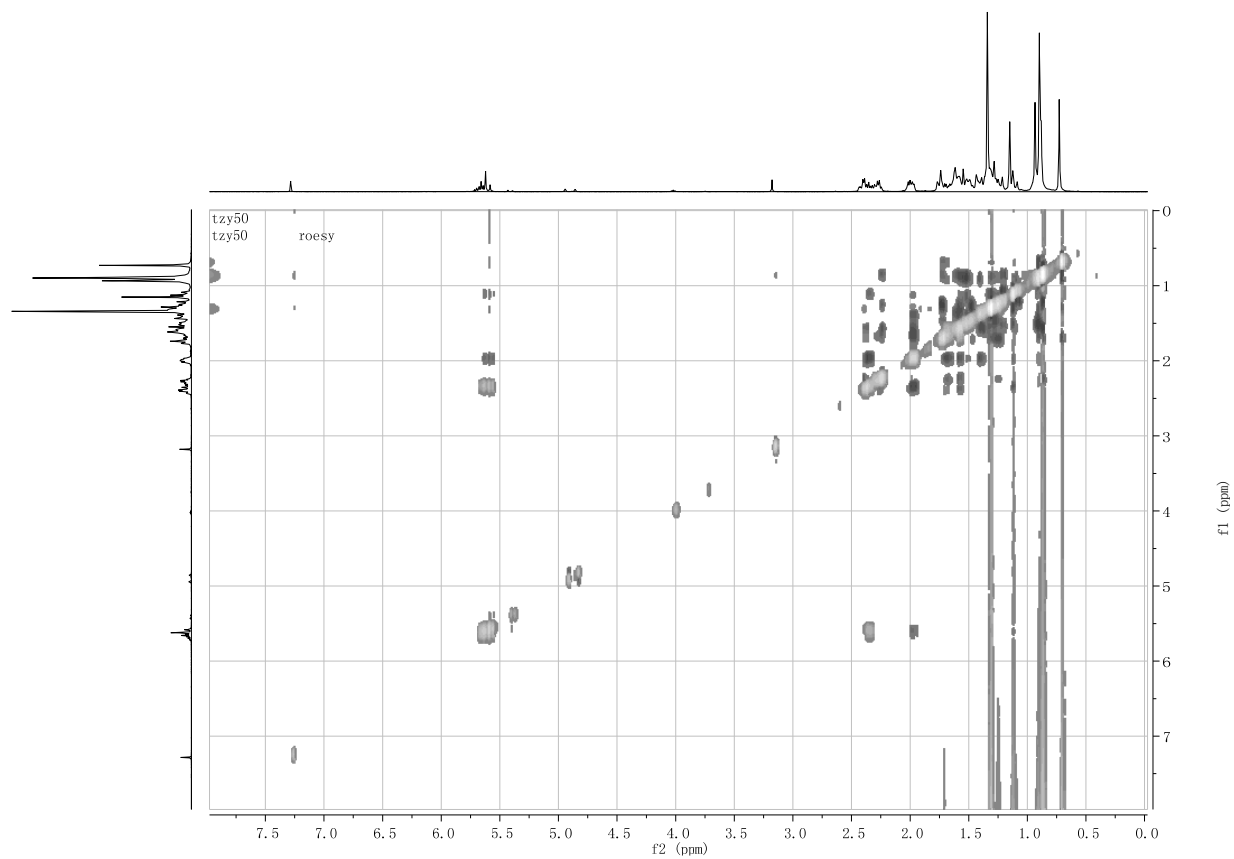
Figure S23. ROESY (CDCl₃, 500 MHz) spectrum of Astataricusone C (**3**).

Figure S24. HREIMS spectrum of Astartaricusone C (3).

Elemental Composition Report

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Single Mass Analysis

Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

27 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

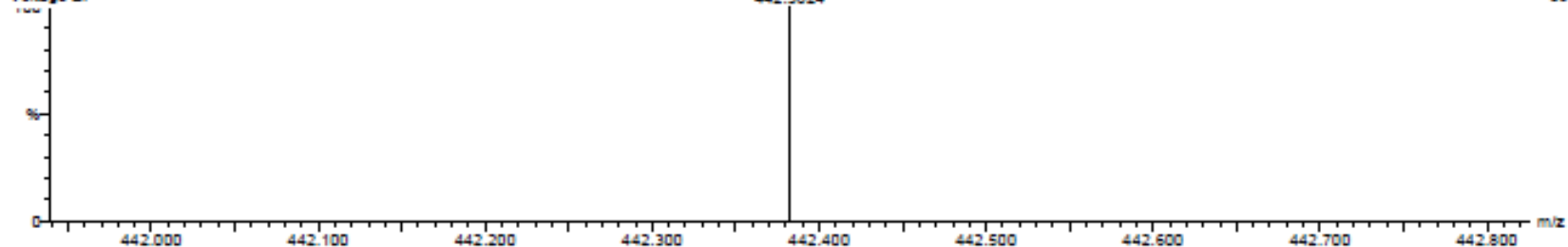
Elements Used:

C: 0-200 H: 0-400 O: 0-3

bz50

15:19:41 30-Aug-2012

Voltage EI+

Autospec Premier
P776
39Minimum: -10.0
Maximum: 100.0 10.0 120.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
442.3824	442.3811	1.3	2.9	6.0	5546039.0	C30 H50 O2

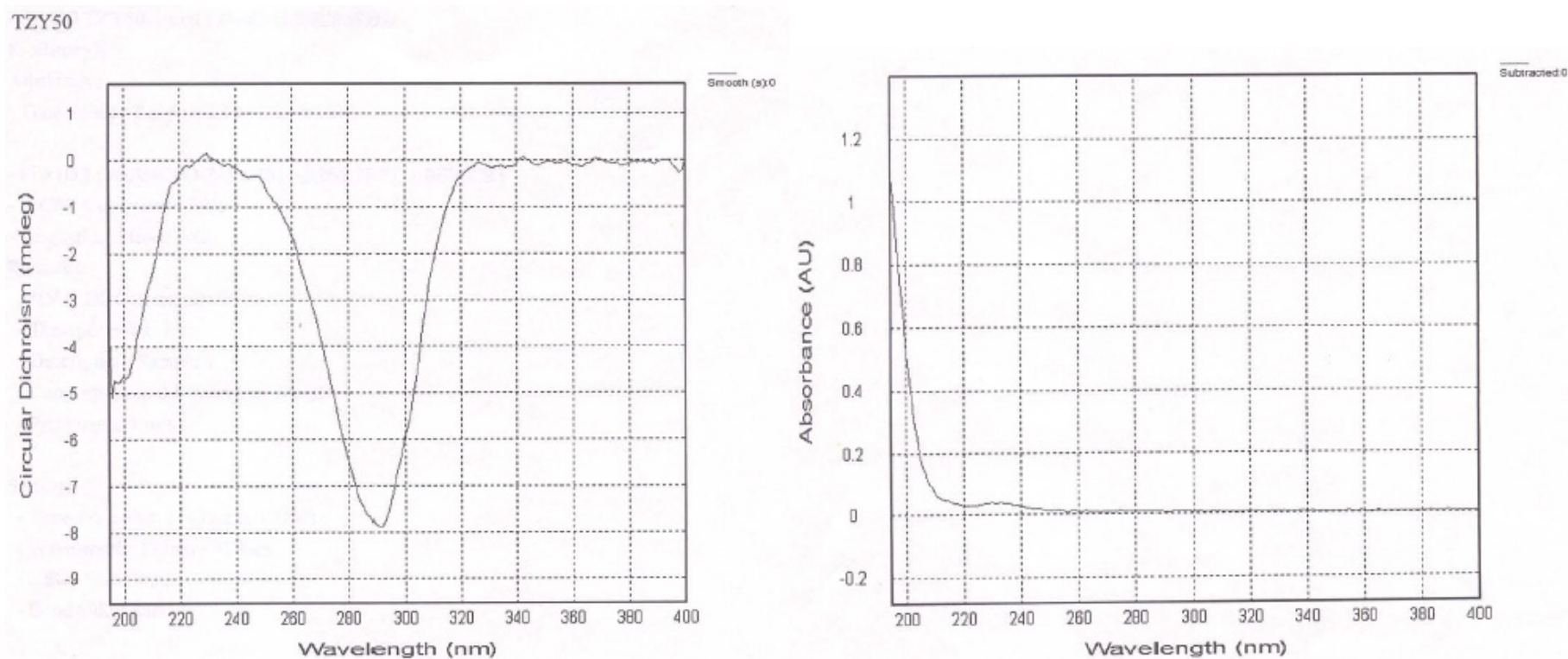
Figure S25. CD (MeOH) spectrum of Astataricusone C (**3**).

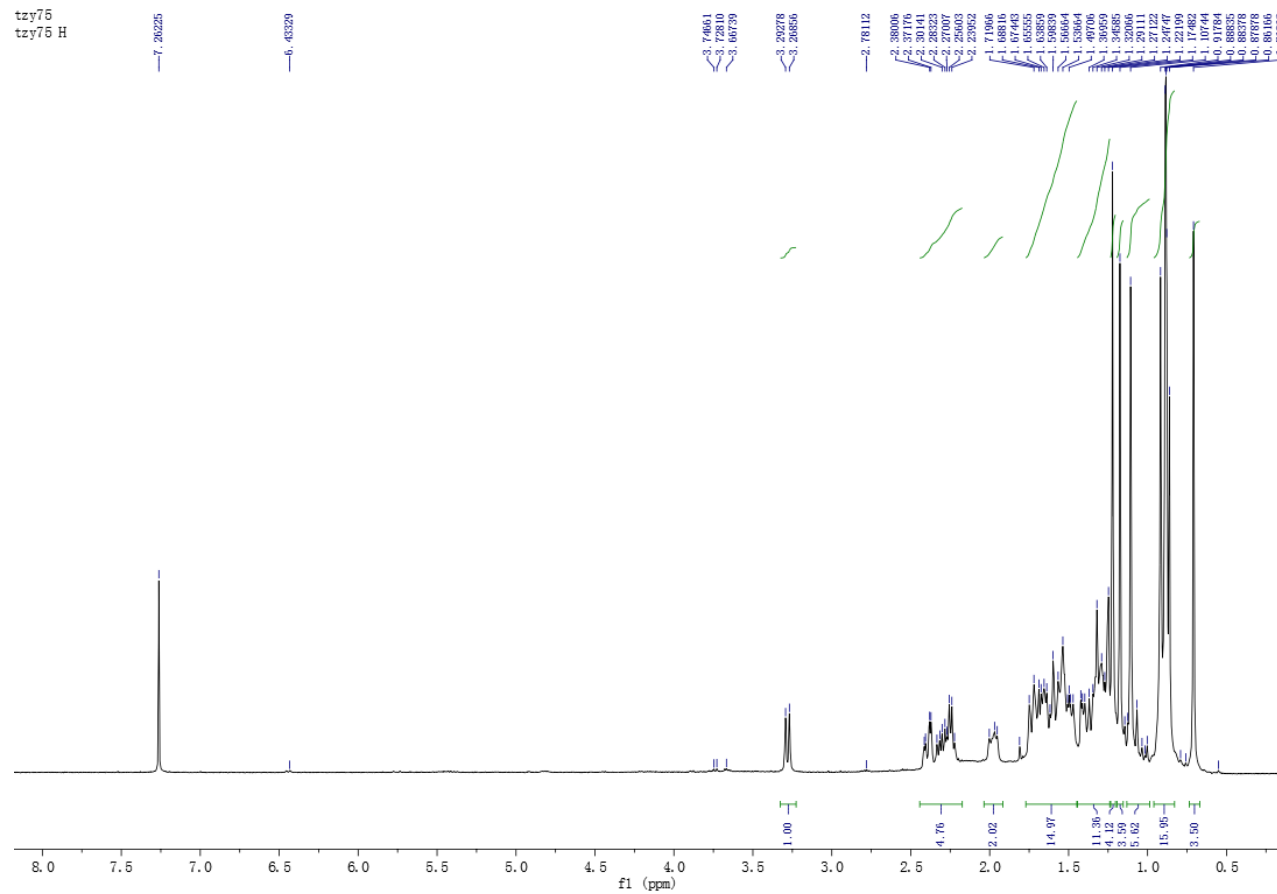
Figure S26. ^1H NMR (CDCl_3 , 400 MHz) spectrum of Astartaricusone D (**4**).

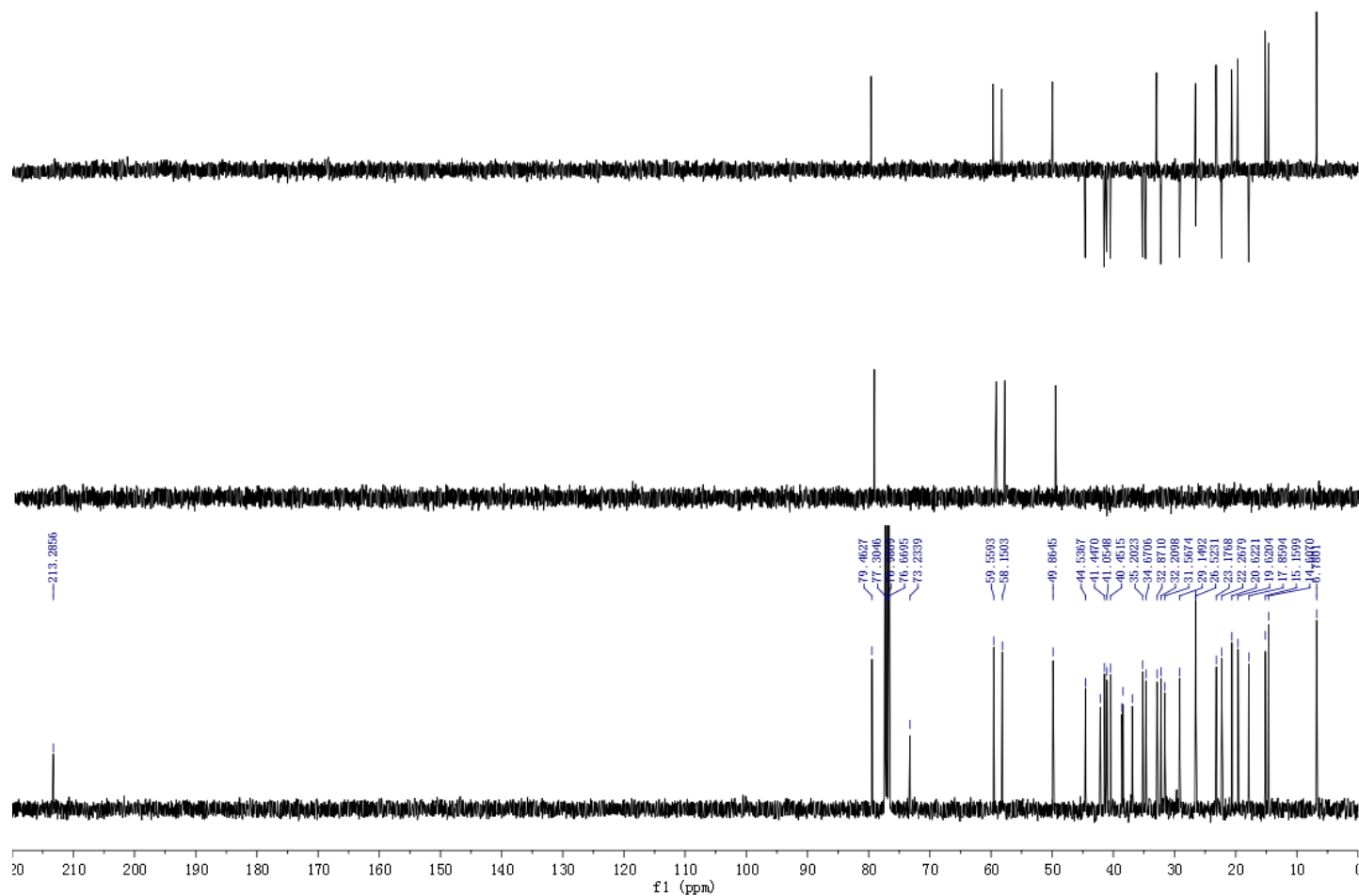
Figure S27. ^{13}C NMR (CDCl_3 , 100 MHz) spectrum of Astataricusone D (**4**).

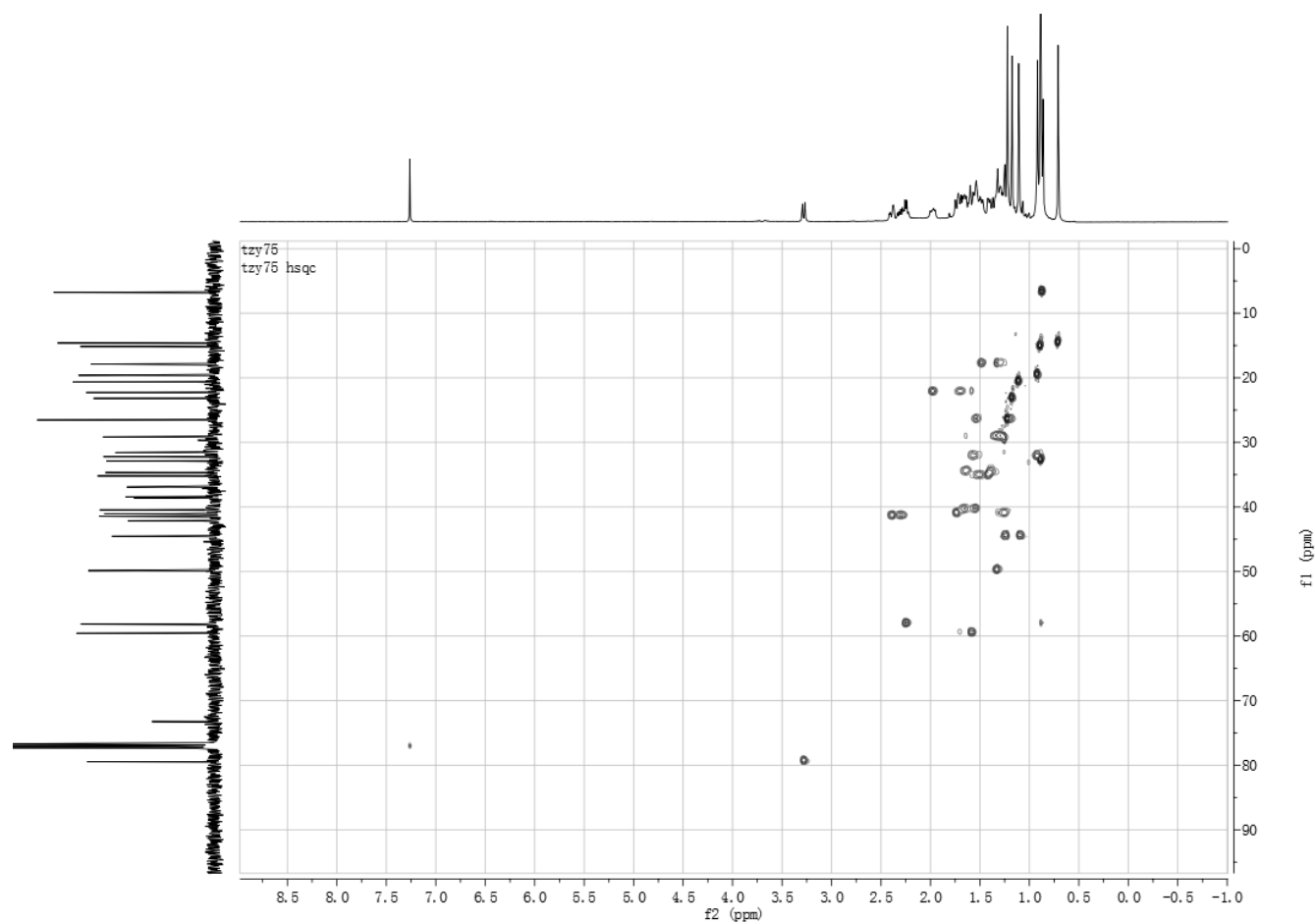
Figure S28. HSQC (CDCl_3 , 500 MHz) spectrum of Astartaricusone D (**4**).

Figure S29. ^1H - ^1H COSY (CDCl_3 , 500 MHz) spectrum of Astartaricusone D (**4**).

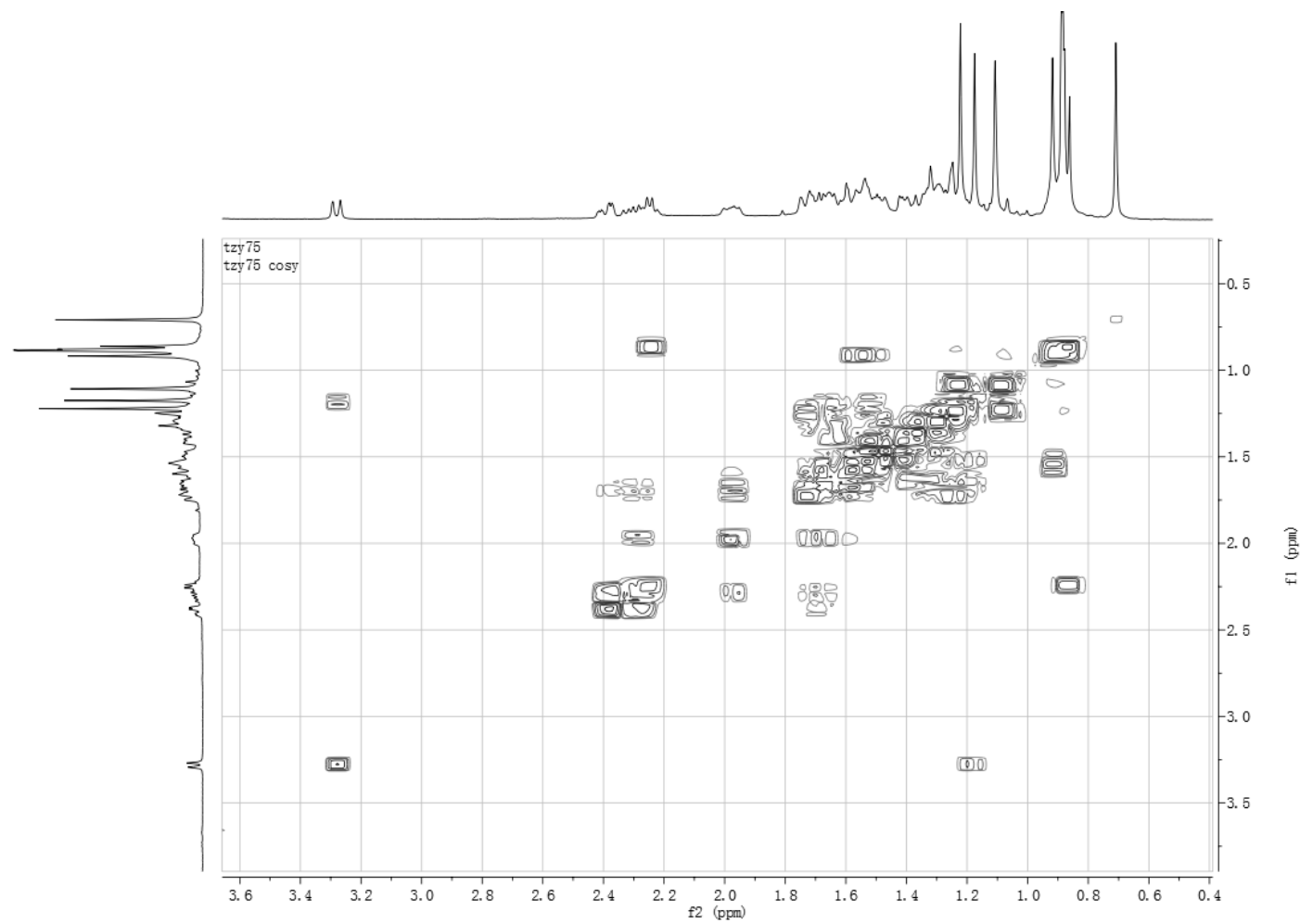


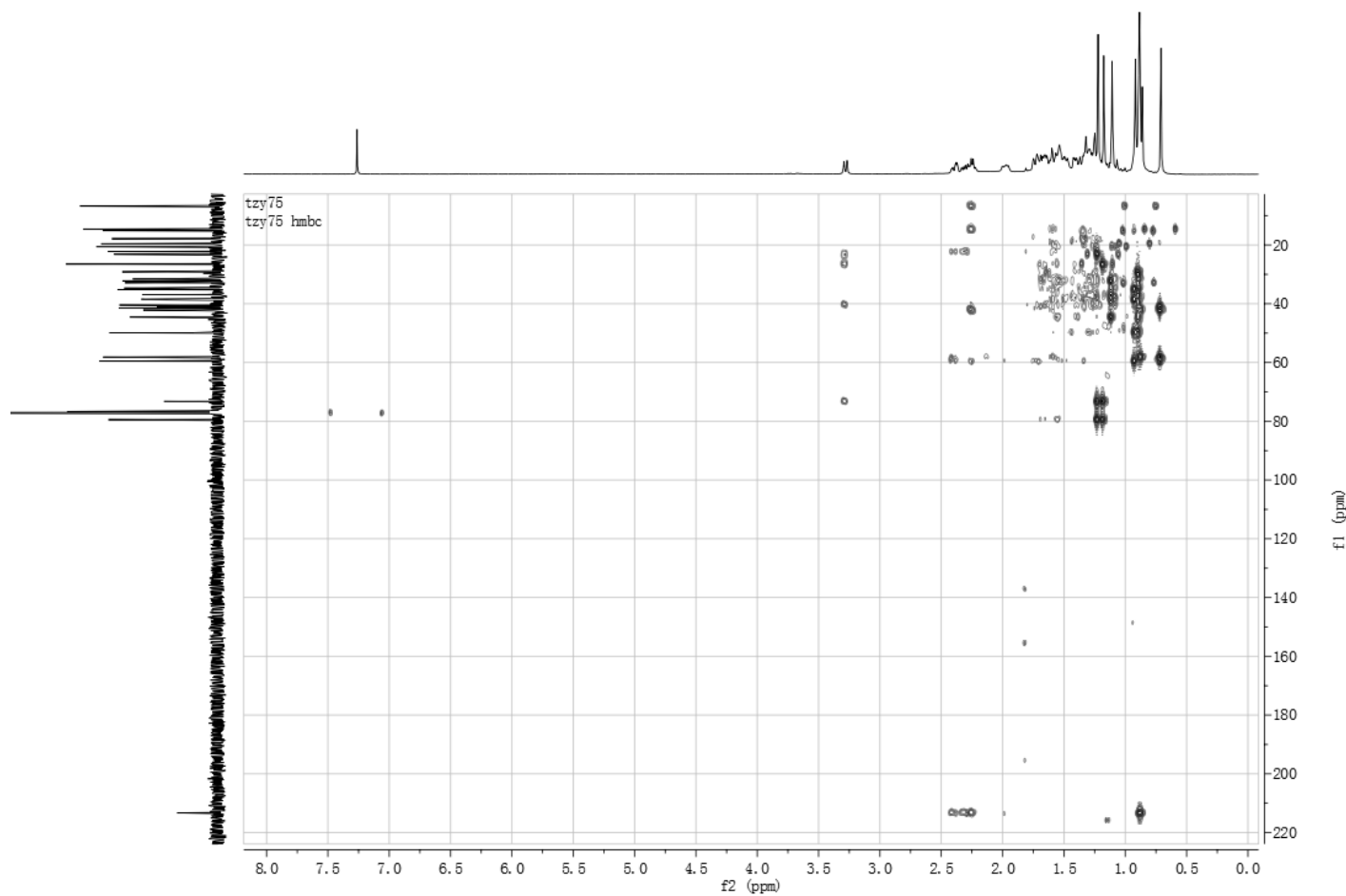
Figure S30. HMBC (CDCl₃, 500 MHz) spectrum of Astataricusone D (4).

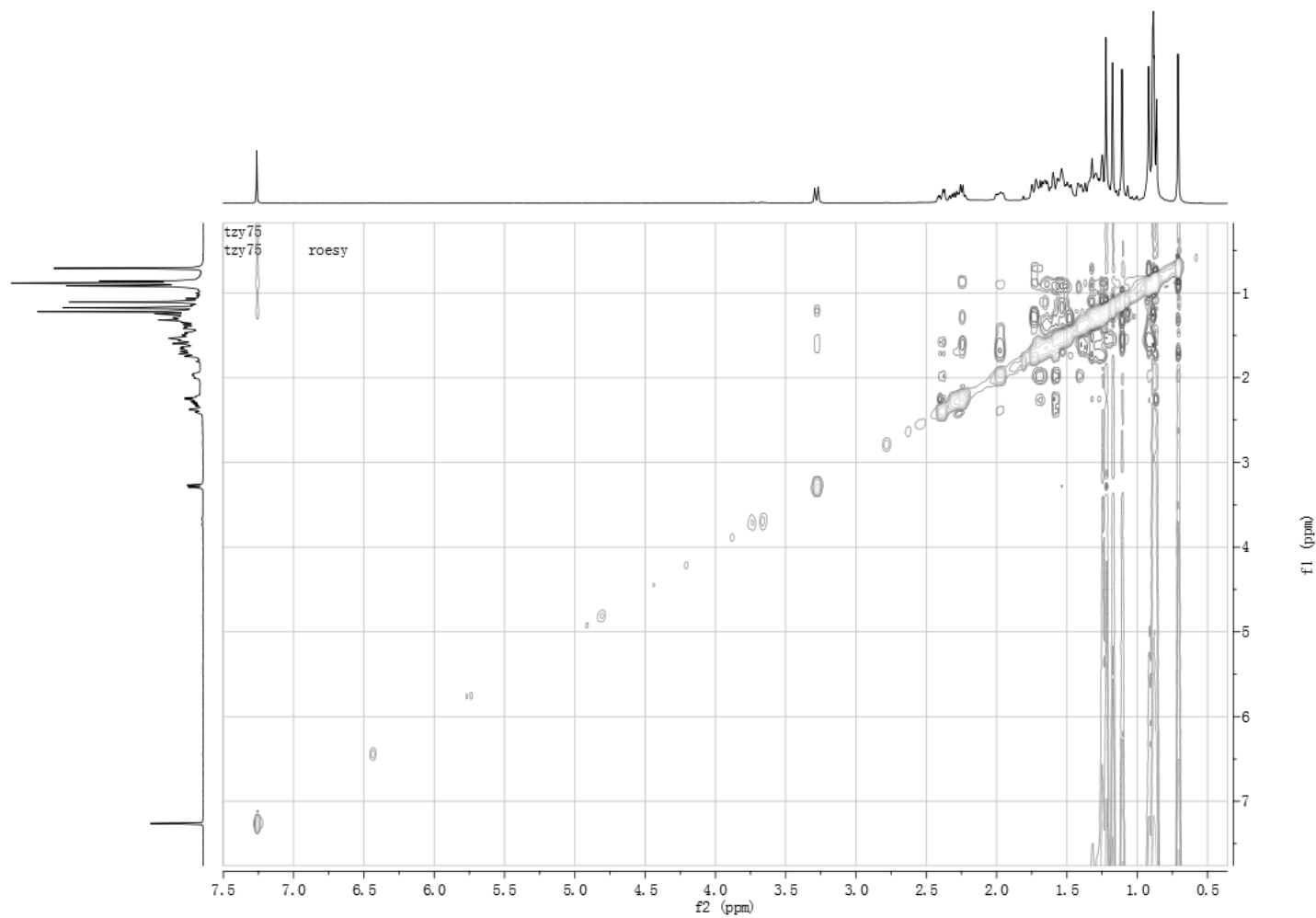
Figure S31. ROESY (CDCl₃, 500 MHz) spectrum of Astataricusone D (**4**).

Figure S32. HREIMS spectrum of Astartaricusone D (4).

Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

30 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

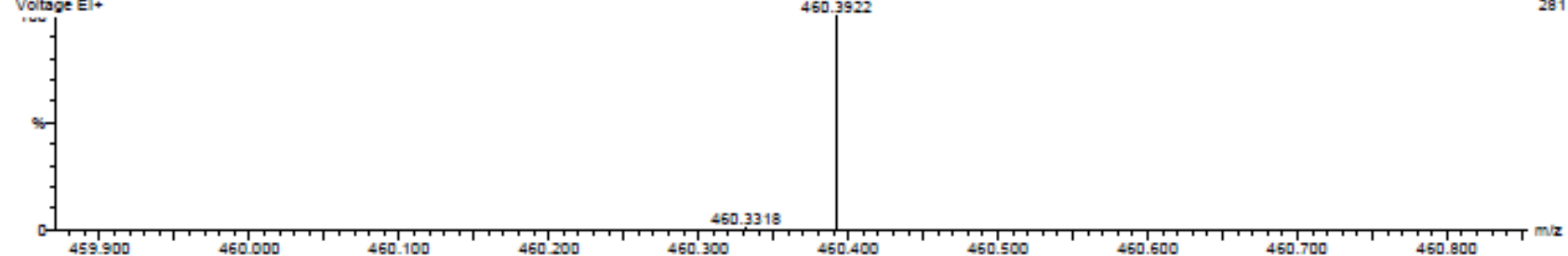
Elements Used:

C: 0-200 H: 0-400 O: 0-3

bz75

15:24:43 30-Aug-2012

Voltage EI+



Minimum: -10.0
Maximum: 100.0 10.0 120.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
460.3922	460.3916	0.6	1.3	5.0	5546158.5	C30 H52 O3

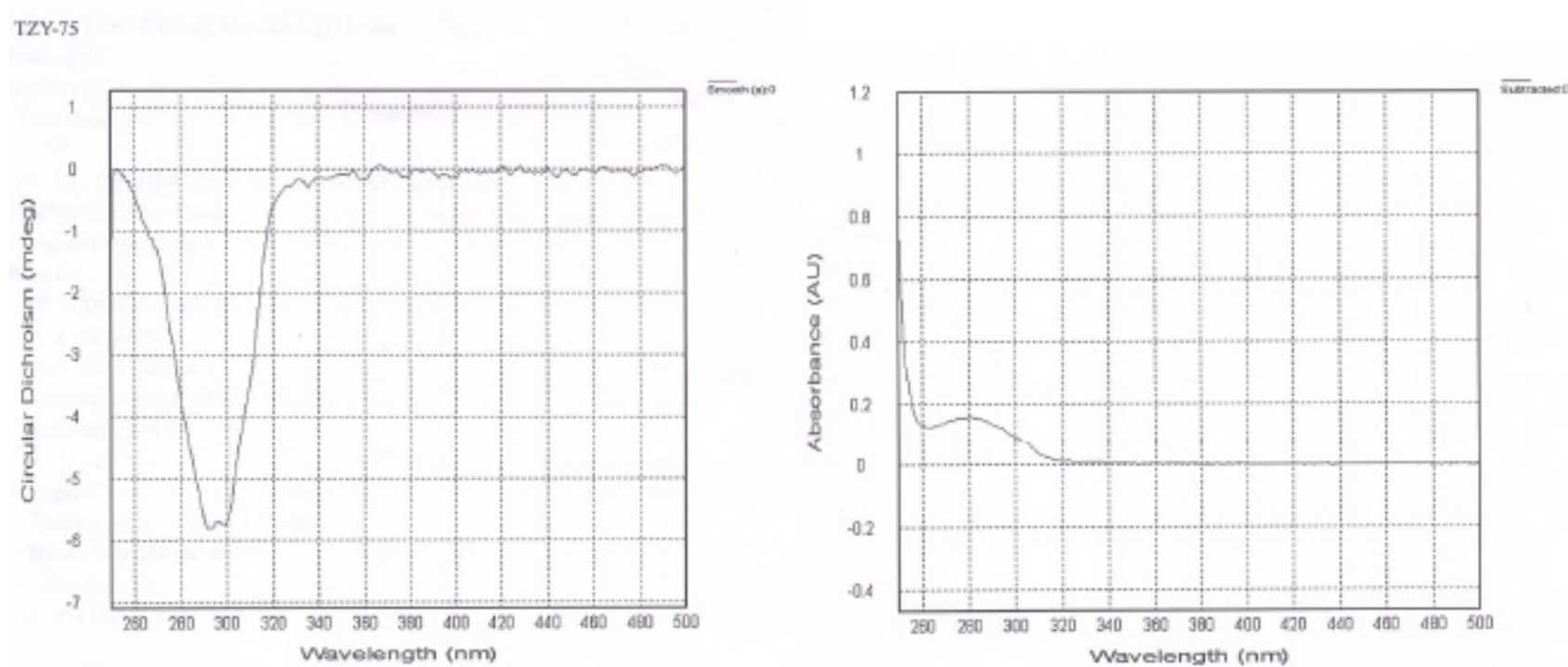
Figure S33. CD (DMSO) spectrum of Astataricusone D (4).

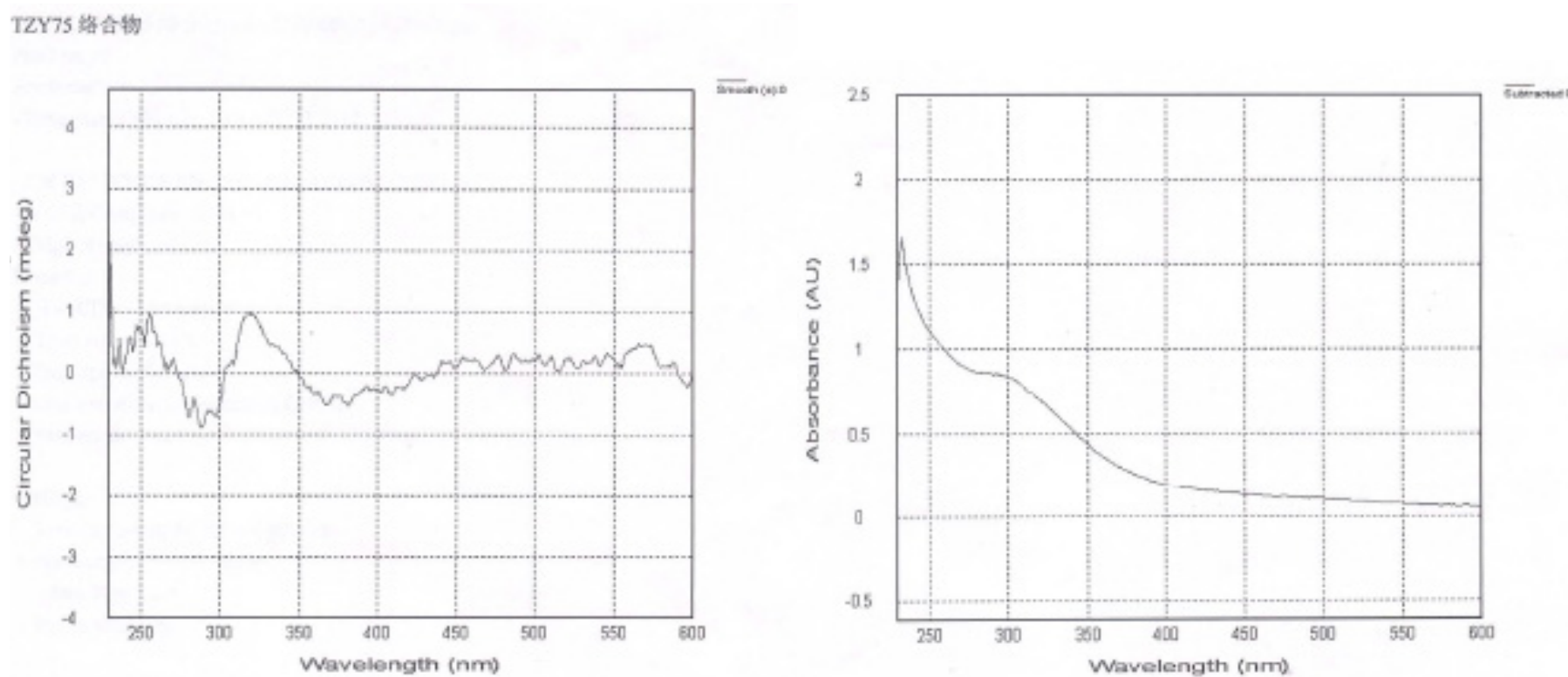
Figure S34. ICD (DMSO) spectrum of Astartaricusone D (**4**).

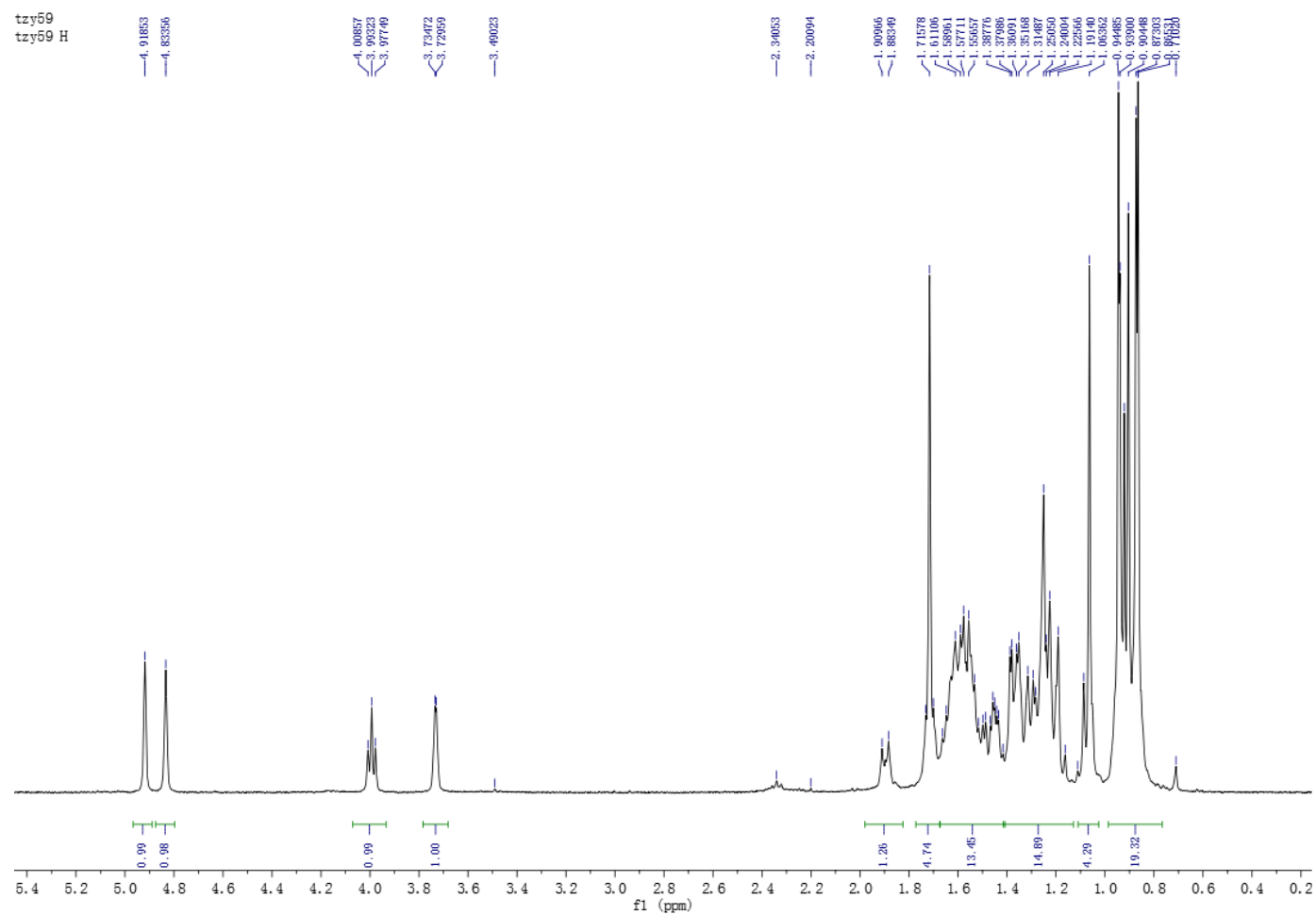
Figure S35. ^1H NMR (CDCl_3 , 400 MHz) spectrum of Astataricusol A (**5**).

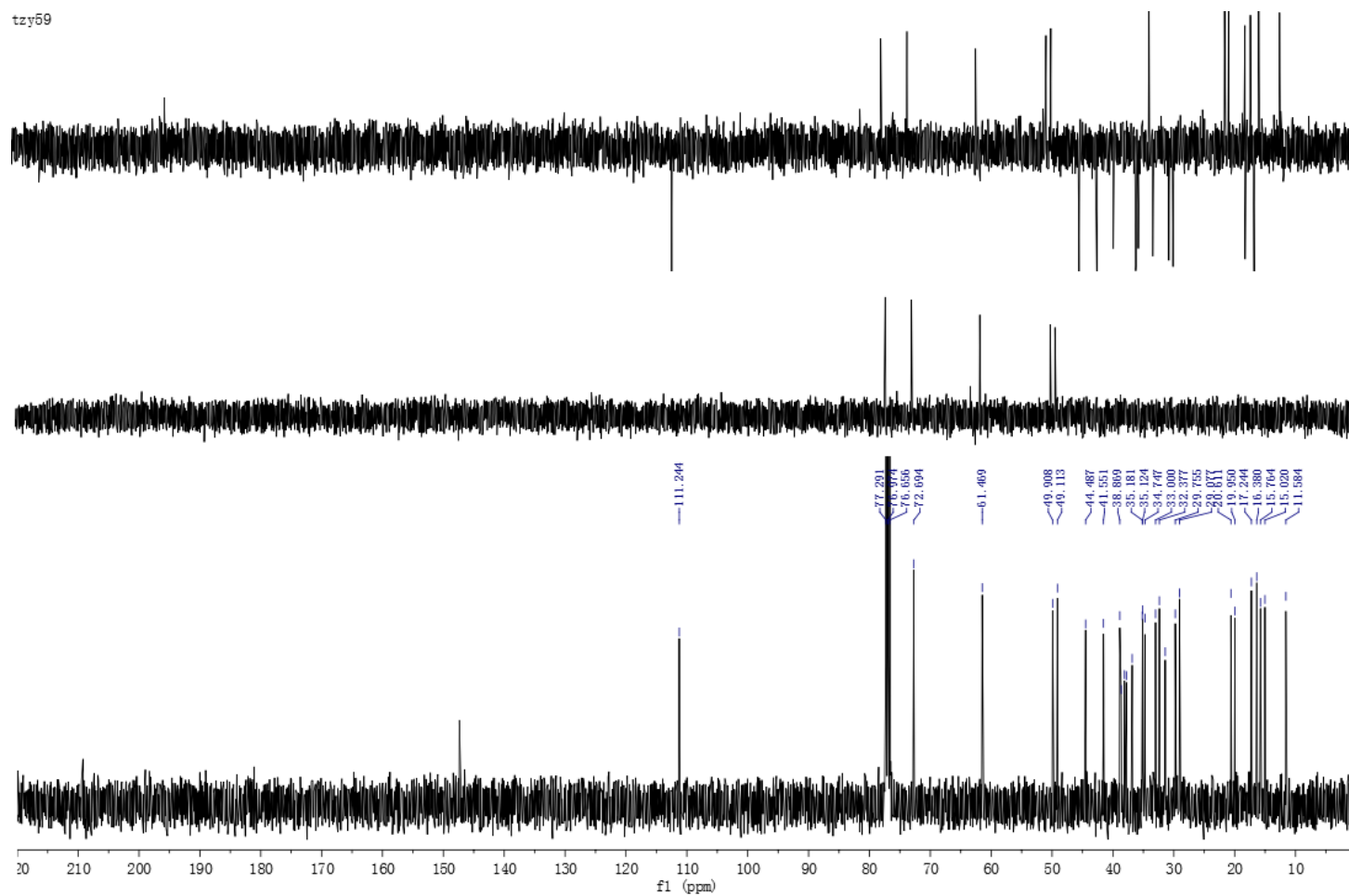
Figure S36. ^{13}C NMR (CDCl_3 , 100 MHz) spectrum of Astataricusol A (**5**).

Figure S37. HSQC (CDCl_3 , 500 MHz) spectrum of Astartaricusol A (**5**).

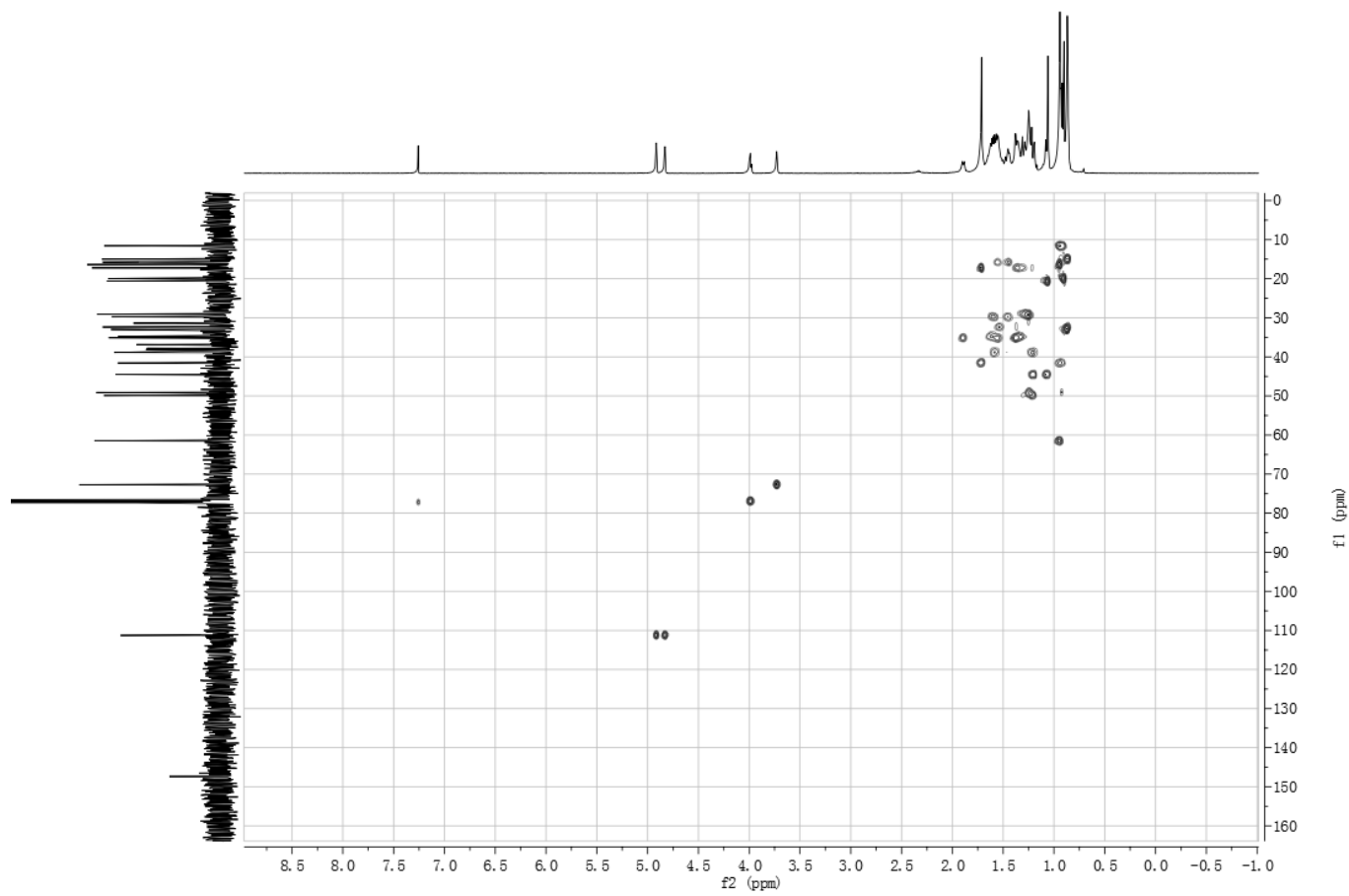


Figure S38. ^1H - ^1H COSY (CDCl_3 , 500 MHz) spectrum of Astataricusol A (**5**).

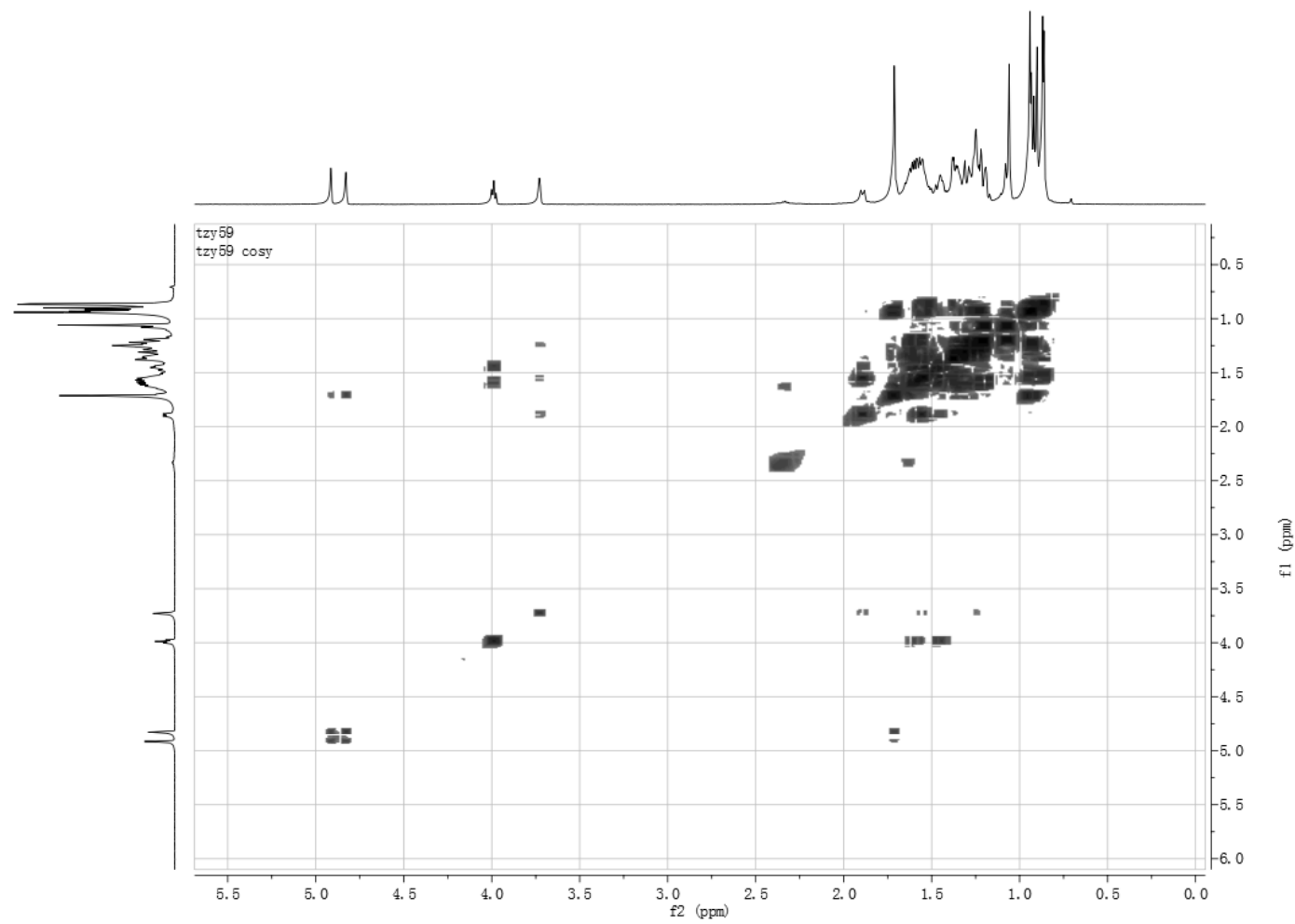


Figure S39. HMBC (CDCl_3 , 500 MHz) spectrum of Astartaricusol A (5).

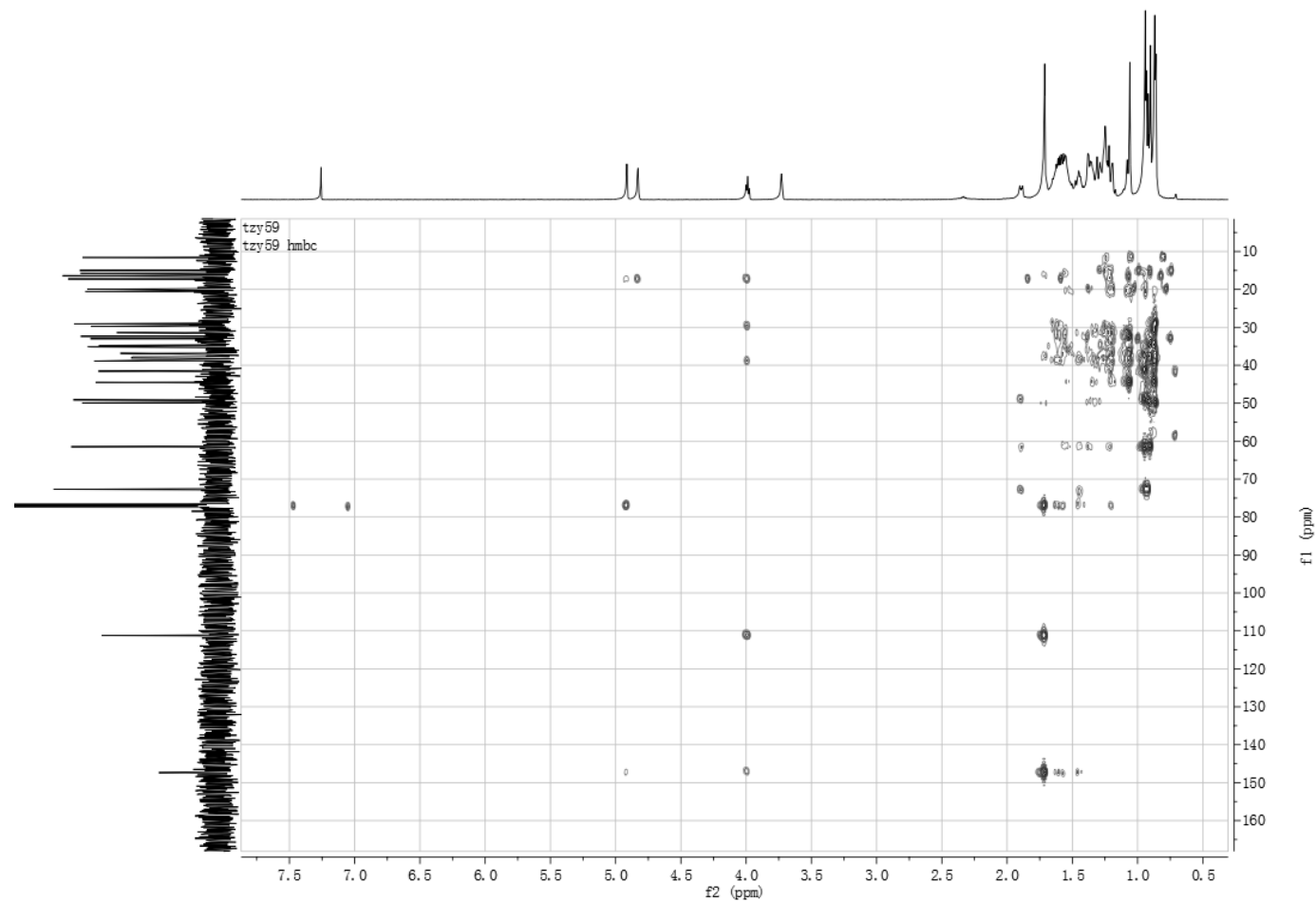


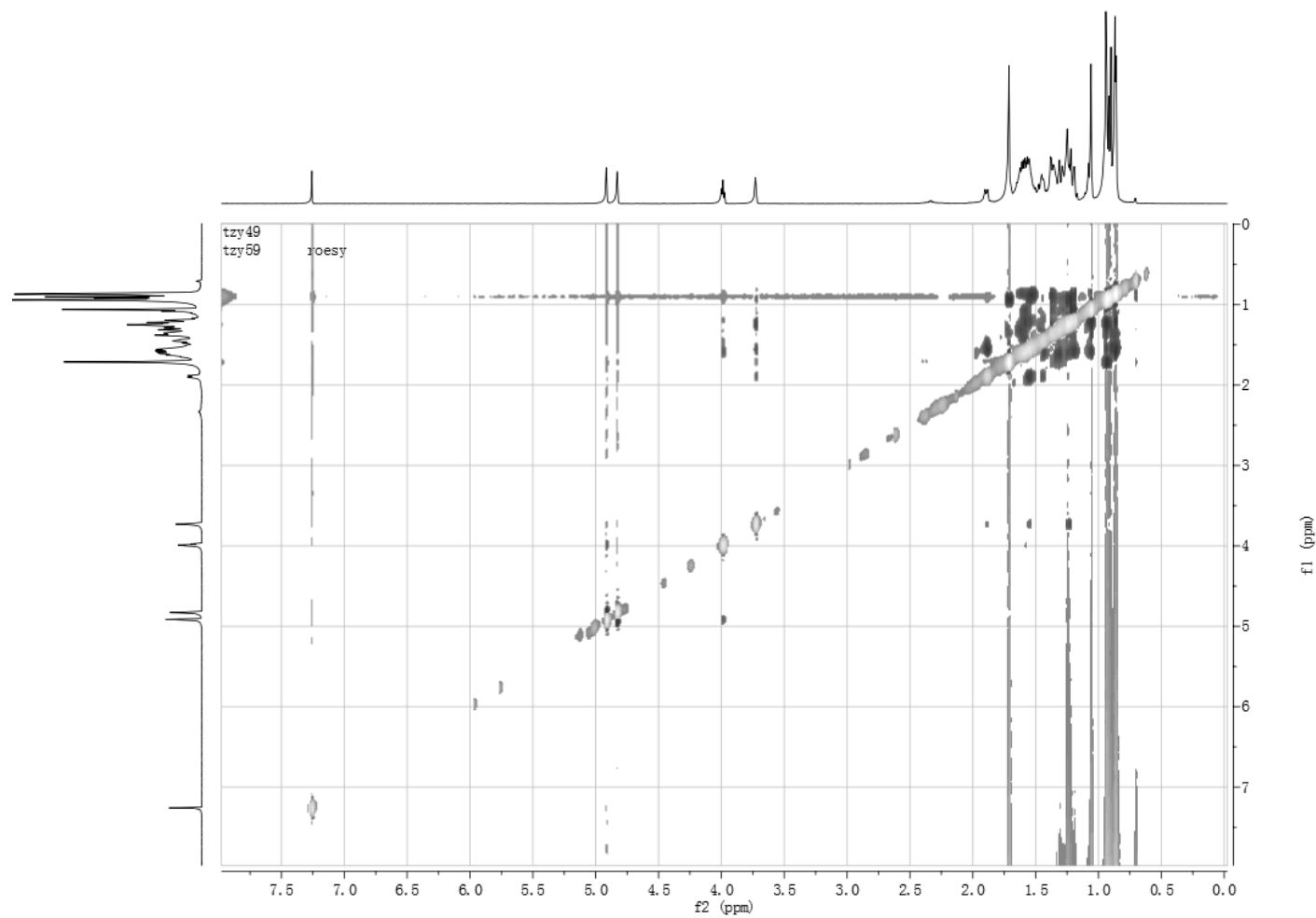
Figure S40. ROESY (CDCl₃, 500 MHz) spectrum of Astataricusol A (**5**).

Figure S41. HREIMS spectrum of Astartaricusol A (5).

Elemental Composition Report

Page 1

Single Mass Analysis

Tolerance = 10.0 PPM / DBE: min = -10.0, max = 120.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

29 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

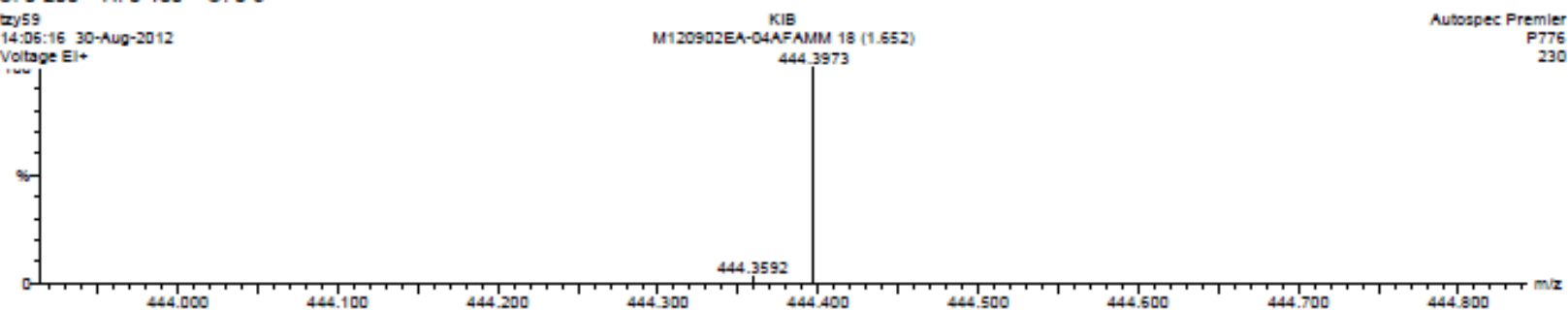
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tzv59

14:06:16 30-Aug-2012

Voltage El+



Minimum: -10.0
Maximum: 100.0 10.0 120.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
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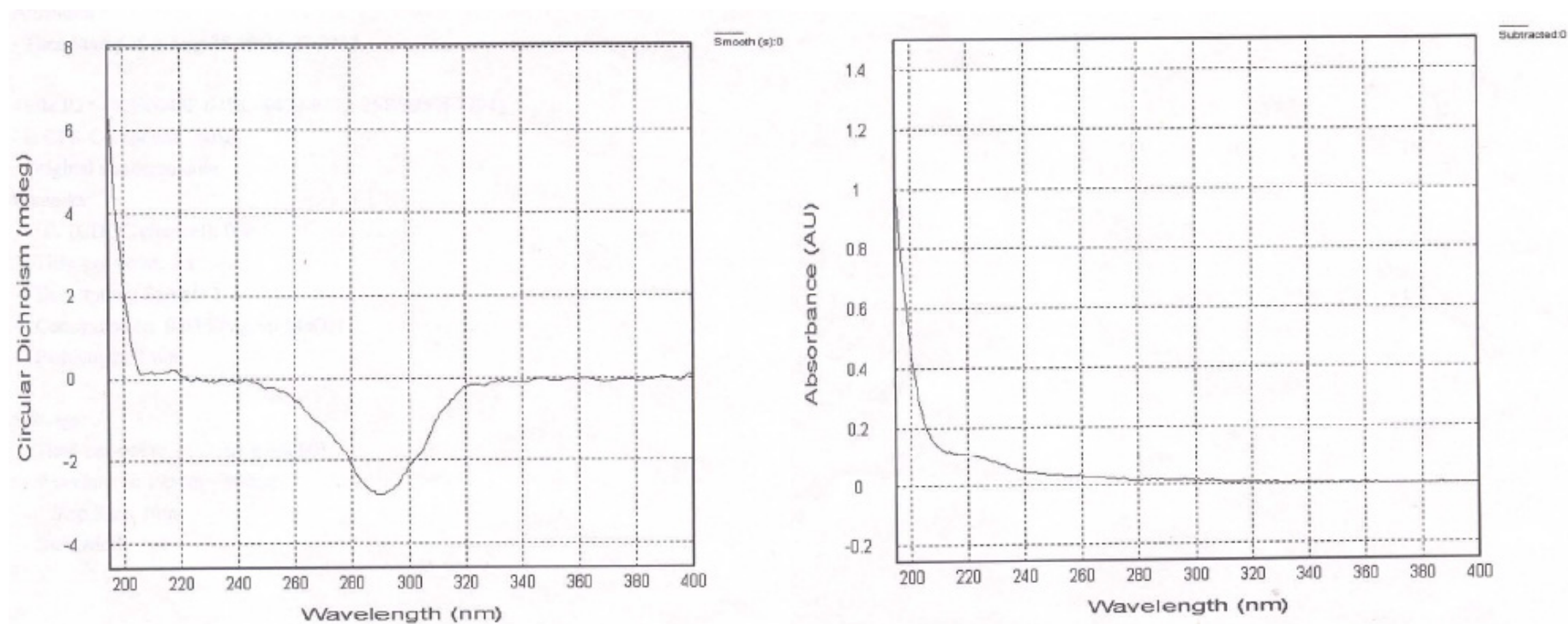
Figure S42. CD (MeOH) spectrum of Astataricusol A (5).

Figure S43. CD (MeOH) spectrum of Epishionol (6).