

Supplementary Materials

- Figure S1. ^1H NMR spectrum (600 MHz, CDCl_3) of aspergiterpenoid A (**1**)
- Figure S2. ^{13}C NMR spectrum (150 MHz, CDCl_3) of aspergiterpenoid A (**1**)
- Figure S3. ^1H - ^1H COSY spectrum of aspergiterpenoid A (**1**) in CDCl_3
- Figure S4. HMBC spectrum of aspergiterpenoid A (**1**) in CDCl_3
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- Figure S6. APCI mass spectrum of aspergiterpenoid A (**1**)
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- Figure S11. ^1H NMR spectrum (600 MHz, DMSO) of (-)-sydonic acid (**3**)
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- Figure S14. ^1H NMR spectrum (600 MHz, CDCl_3) of (-)-5-(hydroxymethyl)-2-(2',6',6'-trimethyltetrahydro-2H-pyran-2-yl)phenol (**4**)
- Figure S15. ^{13}C NMR spectrum (150 MHz, CDCl_3) of (-)-5-(hydroxymethyl)-2-(2',6',6'-trimethyltetrahydro-2H-pyran-2-yl)phenol (**4**)
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- Figure S17. ^1H NMR spectrum (600 MHz, CDCl_3) of (Z)-5-(hydroxymethyl)-2-(6'-methylhept-2'-en-2'-yl)phenol (**5**)
- Figure S18. ^{13}C NMR spectrum (150 MHz, CDCl_3) of (Z)-5-(hydroxymethyl)-2-(6'-methylhept-2'-en-2'-yl)phenol (**5**)
- Figure S19. HRESI mass spectrum of (Z)-5-(hydroxymethyl)-2-(6'-methylhept-2'-en-2'-yl)phenol (**5**)

Figure S1. ^1H NMR spectrum (600 MHz, CDCl_3) of aspergiterpenoid A (**1**)

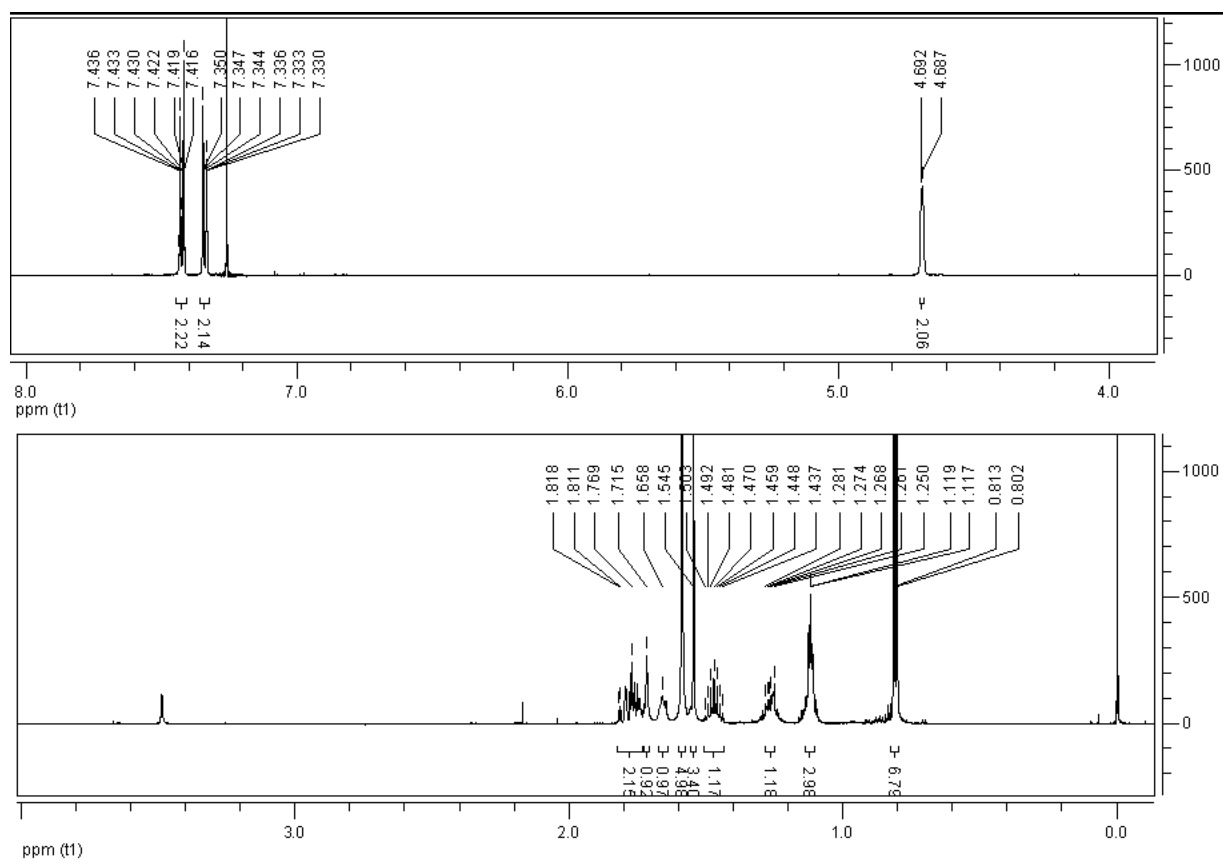


Figure S2. ^{13}C NMR spectrum (150 MHz, CDCl_3) of aspergiterpenoid A (**1**)

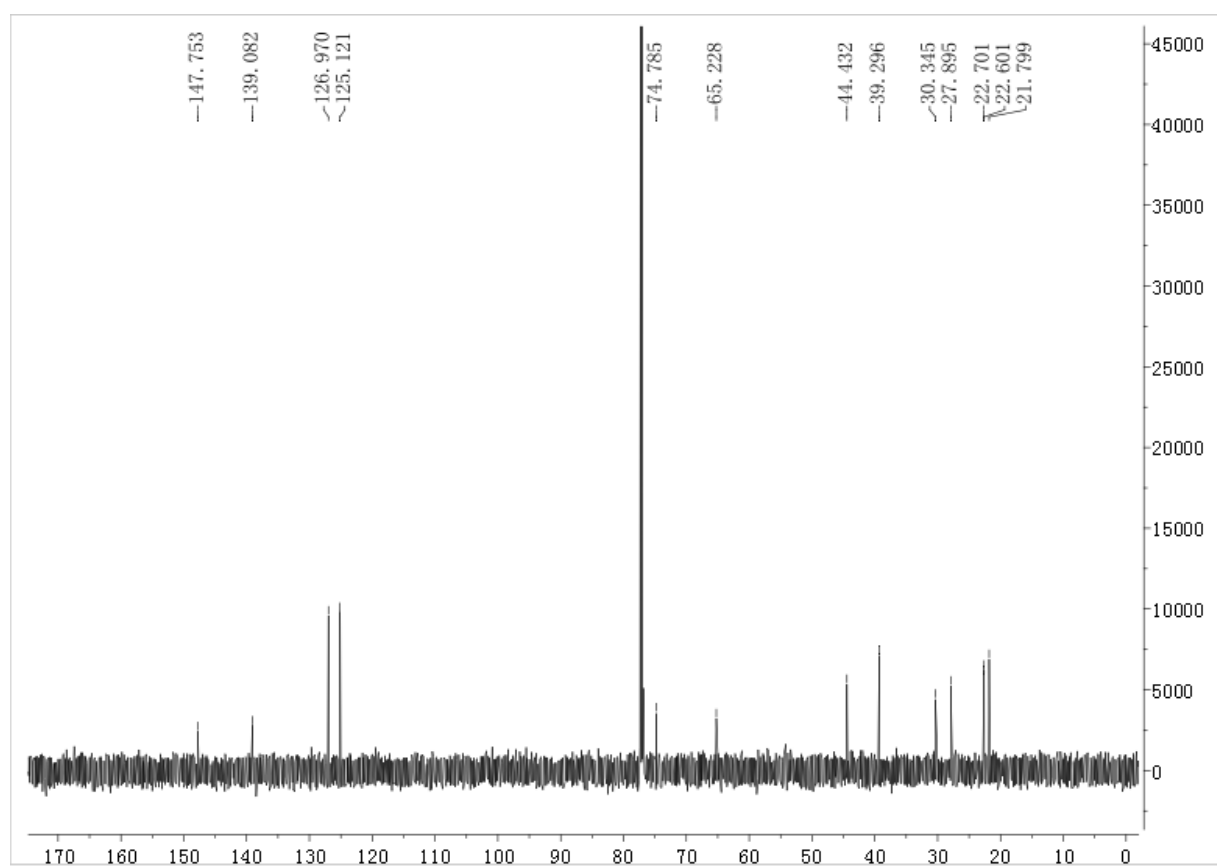


Figure S3. ^1H - ^1H COSY spectrum of aspergiterpenoid A (**1**) in CDCl_3

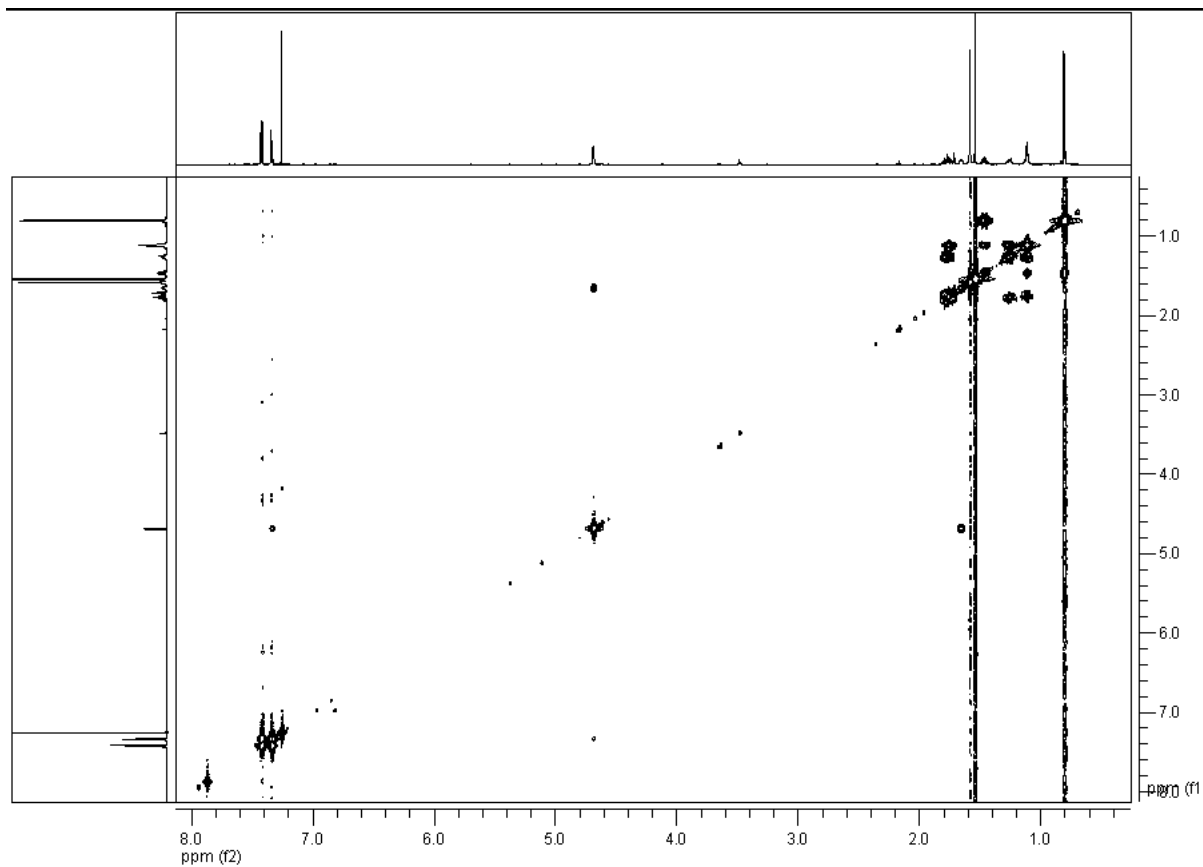


Figure S4. HMBC spectrum of aspergiterpenoid A (**1**) in CDCl_3

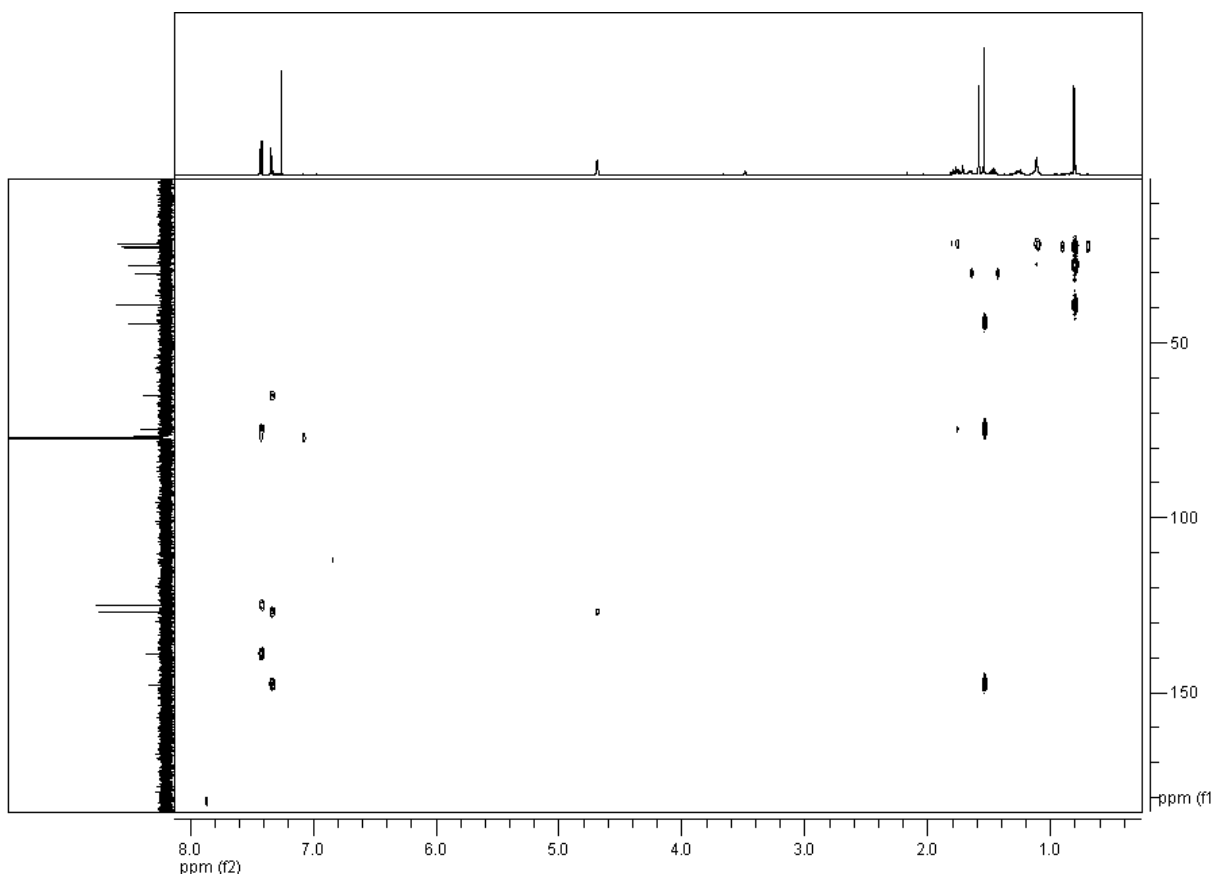


Figure S5. HMQC spectrum of aspergiterpenoid A (**1**) in CDCl₃

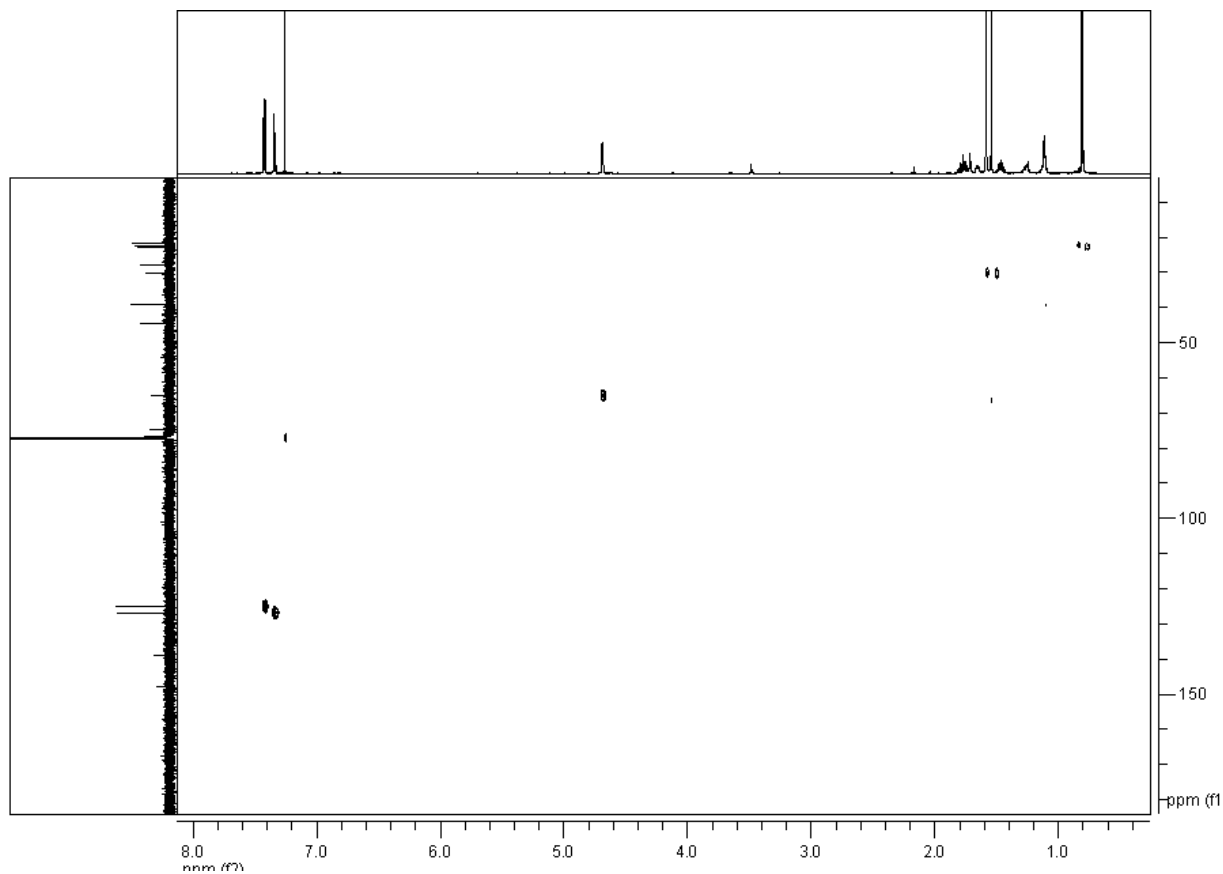


Figure S6. APCI mass spectrum of aspergiterpenoid A (**1**)

Acquisition Parameter

Ion Source Type	APCI	Ion Polarity	Positive	Alternating Ion Polarity	off
Mass Range Mode	Enhanced Resolution	Scan Begin	70 m/z	Scan End	1000 m/z
Capillary Exit	140.0 V	n/a	n/a	Trap Drive	48.9
Accumulation Time	10 μ s	Averages	3 Spectra	Auto MS/MS	off

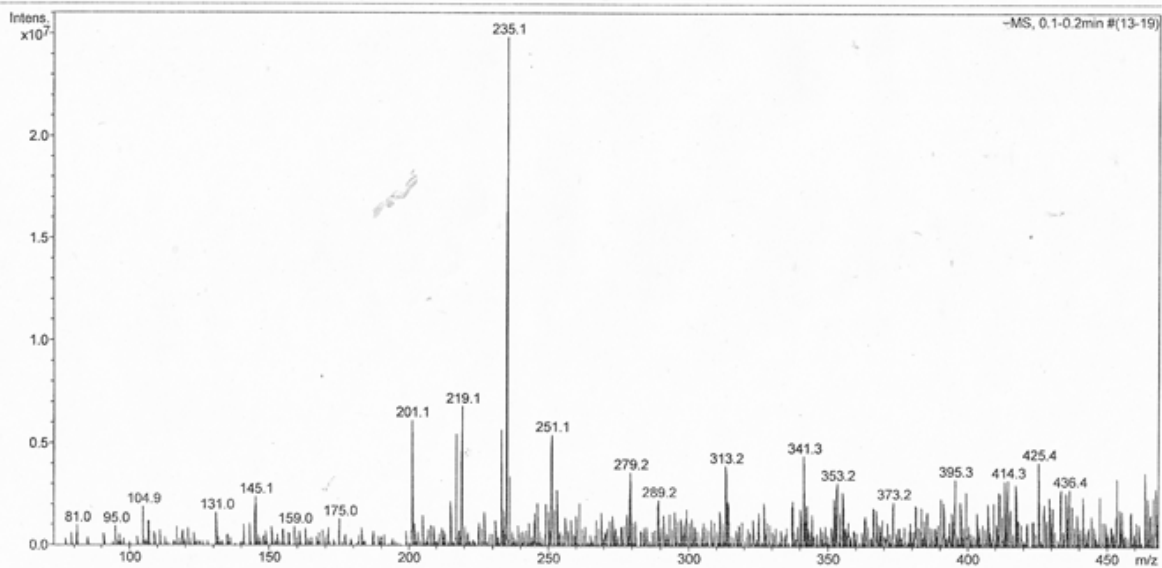


Figure S9. ^{13}C NMR spectrum (150 MHz, CDCl_3) of (-)-sydonol (**2**)

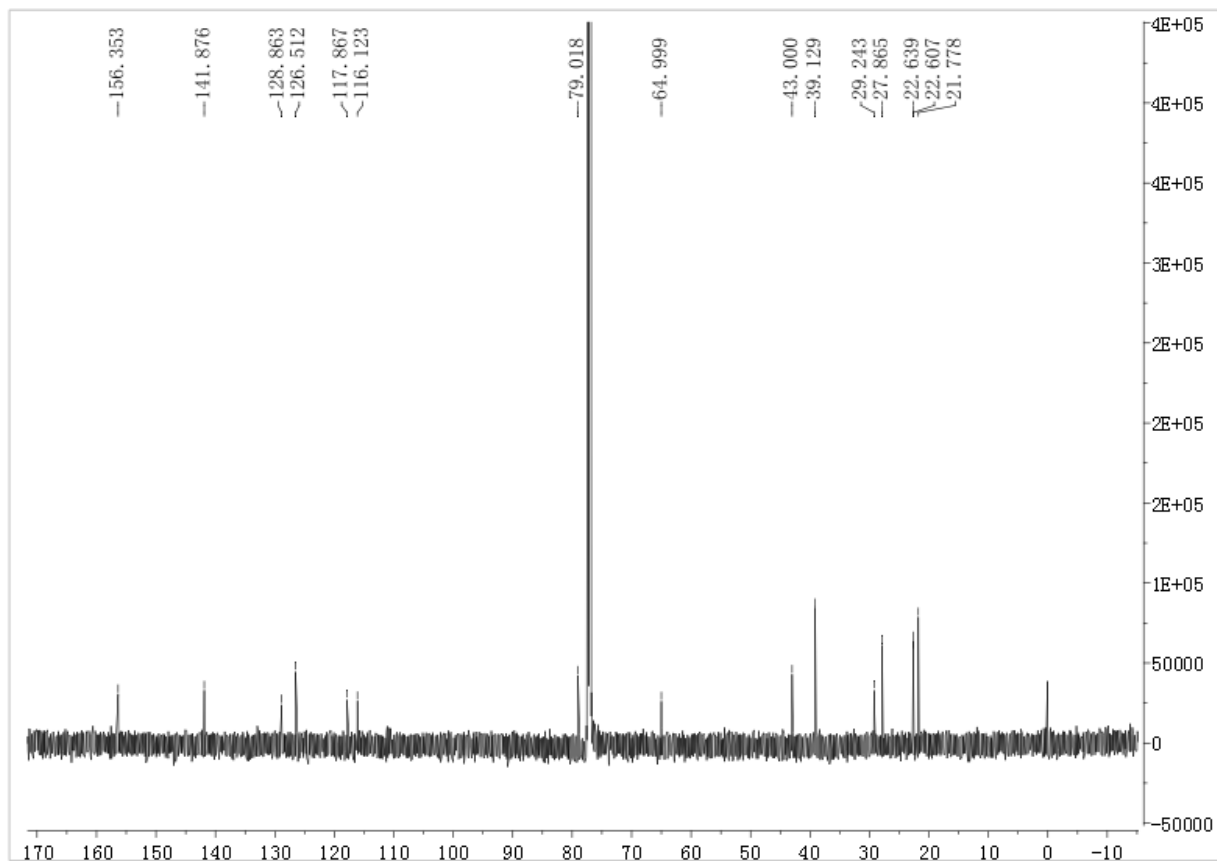


Figure S10. HREI mass spectrum of (-)-sydonol (**2**)

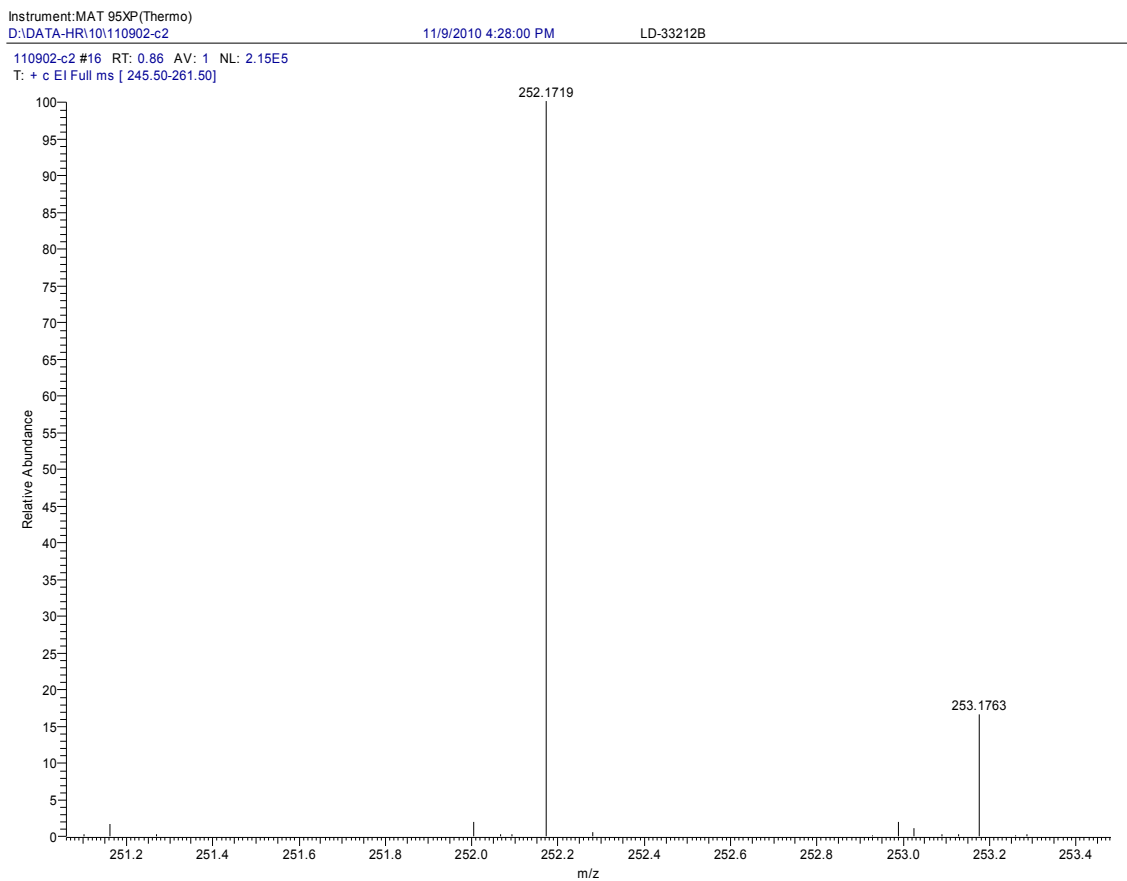


Figure S11. ^1H NMR spectrum (600 MHz, DMSO) of (-)-sydonic acid (**3**)

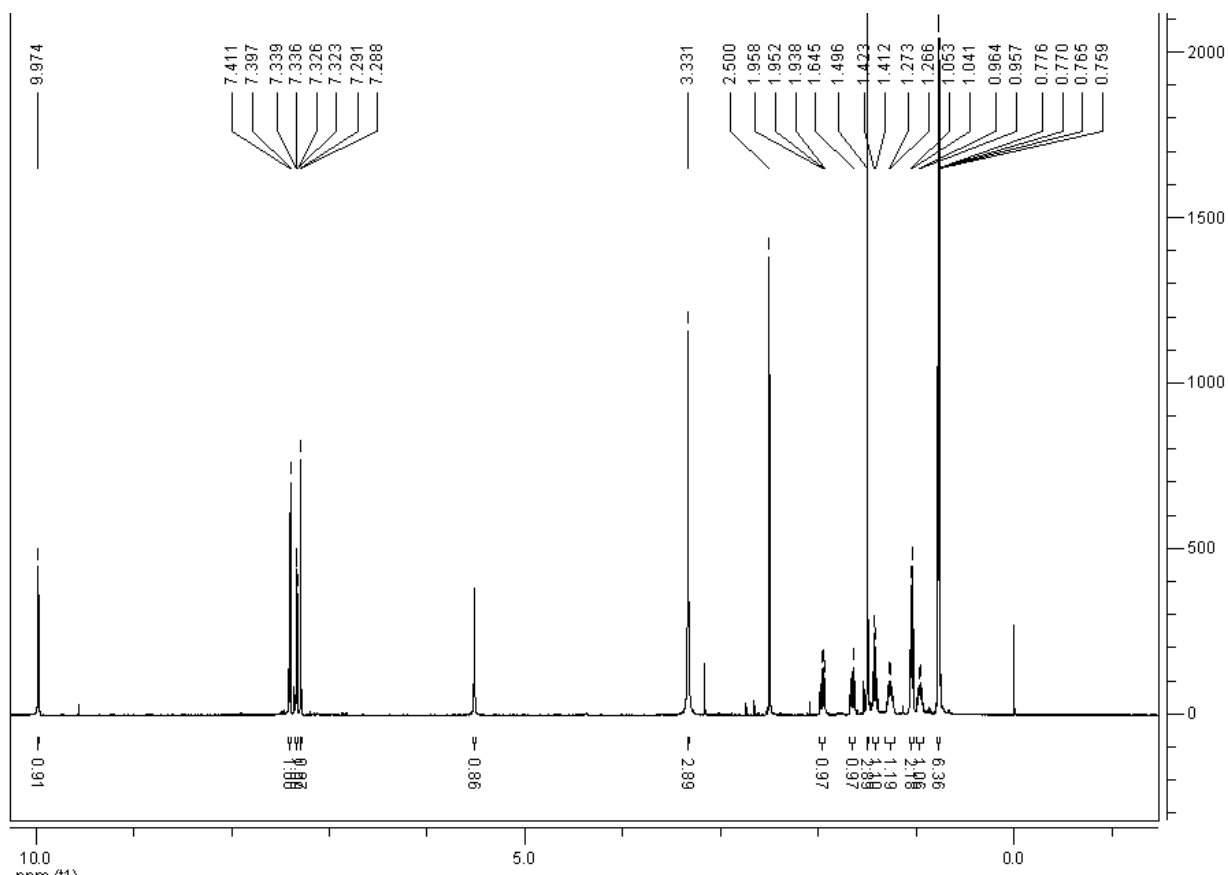


Figure S12. ^{13}C NMR spectrum (150 MHz, DMSO) of (-)-sydonic acid (**3**)

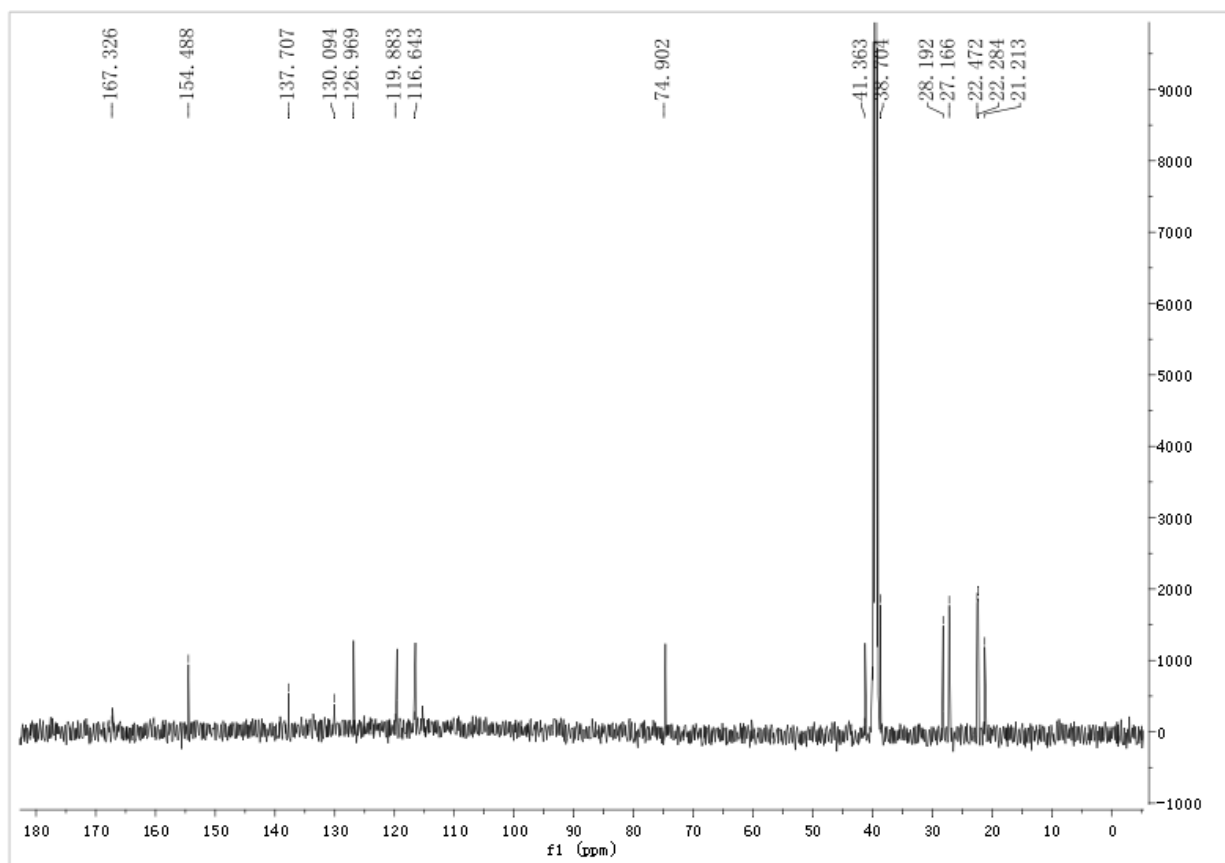


Figure S13. HREI mass spectrum of (-)-sydonic acid (**3**)

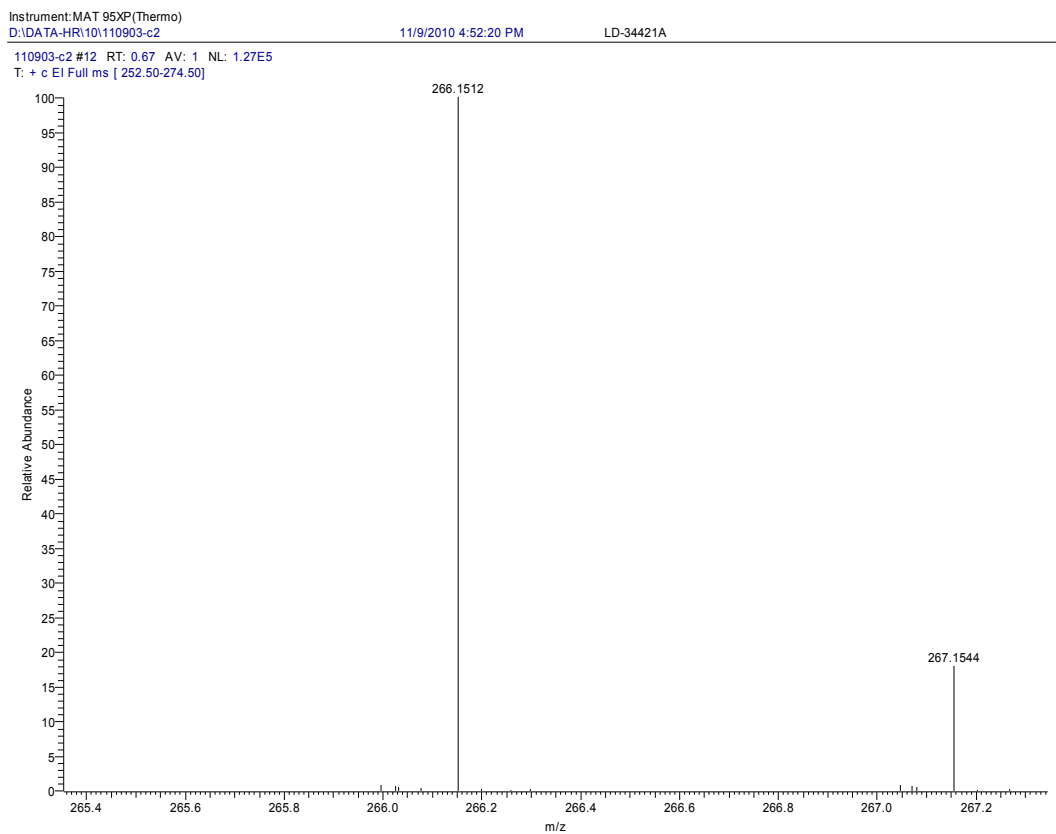


Figure S14. ^1H NMR spectrum (600 MHz, CDCl_3) of (-)-5-(hydroxymethyl)-2-(2',6',6'-trimethyltetrahydro-2H-pyran-2-yl)phenol (**4**)

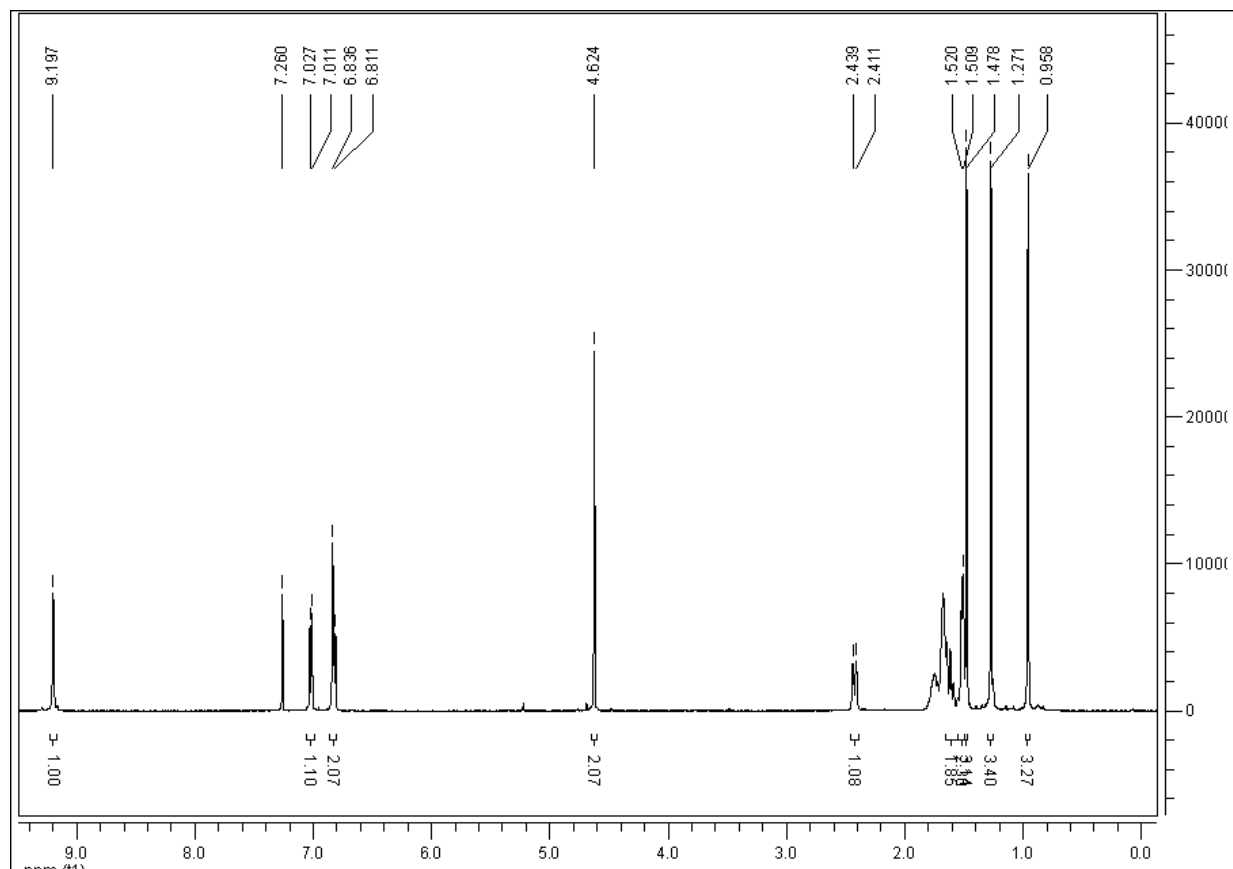


Figure S15. ^{13}C NMR spectrum (150 MHz, CDCl_3) of (-)-5-(hydroxymethyl)-2-(2',6',6'-trimethyltetrahydro-2H-pyran-2-yl)phenol (**4**)

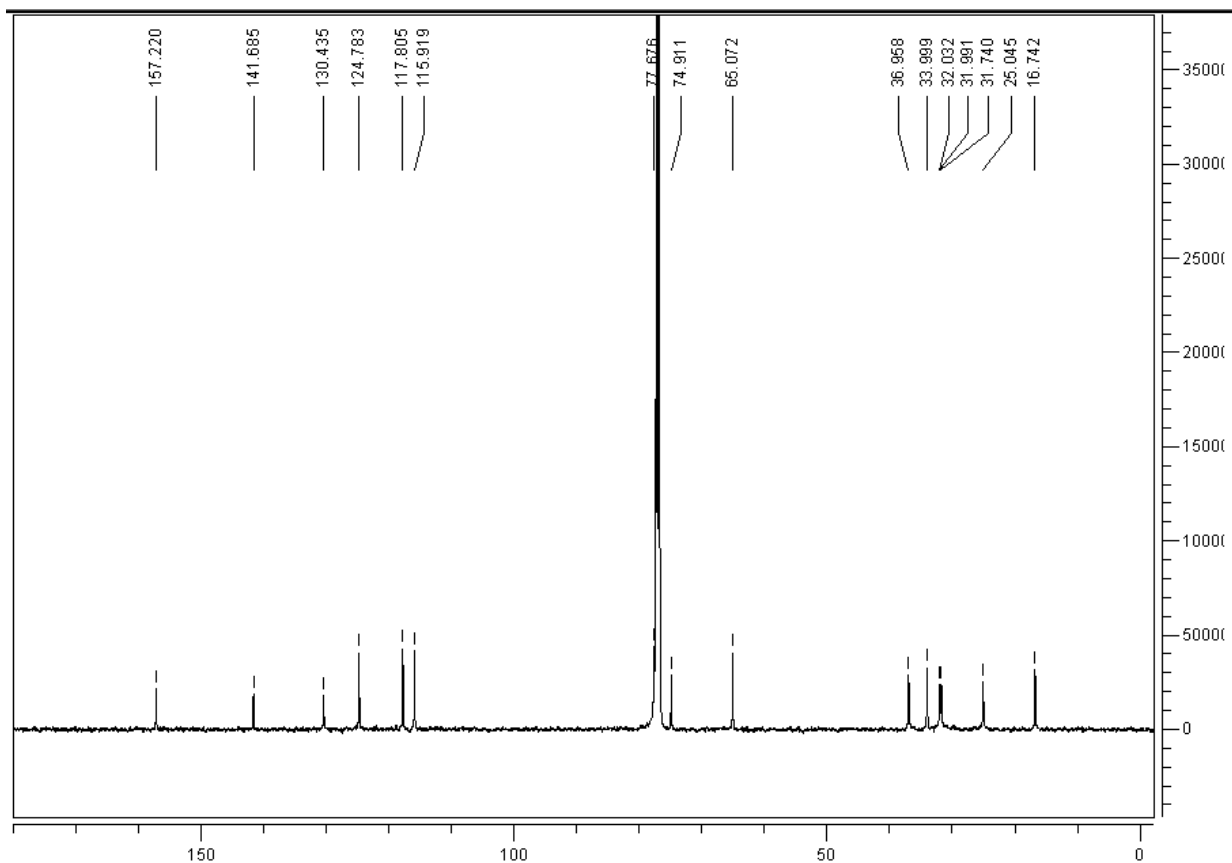


Figure S16. HRESI mass spectrum of (-)-5-(hydroxymethyl)-2-(2',6',6'-trimethyltetrahydro-2H-pyran-2-yl)phenol (**4**)

Elemental Composition Report

Single Mass Analysis

Tolerance = 5.0 PPM / DBE: min = -1.5, max = 50.0

Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

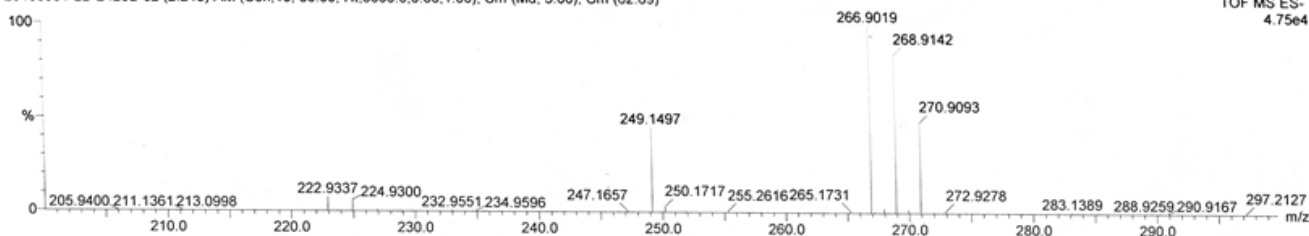
Monoisotopic Mass, Odd and Even Electron Ions

32 formula(e) evaluated with 1 results within limits (all results (up to 1000) for each mass)

LD-2423B

20100901-LD-2423B 62 (2.213) AM (Cen,10, 80.00, Ht,5000.0,0.00,1.00); Sm (Md, 3.00); Cm (62.69)

TOF MS ES-
4.75e4



Mass	Calc. Mass	mDa	PPM	DBE	Score	Formula
249.1497	249.1491	0.6	2.5	5.5	1	C15 H21 O3

Figure S17. ^1H NMR spectrum (600 MHz, CDCl_3) of (Z)-5-(hydroxymethyl)-2-(6'-methylhept-2'-en-2'-yl)phenol (5)

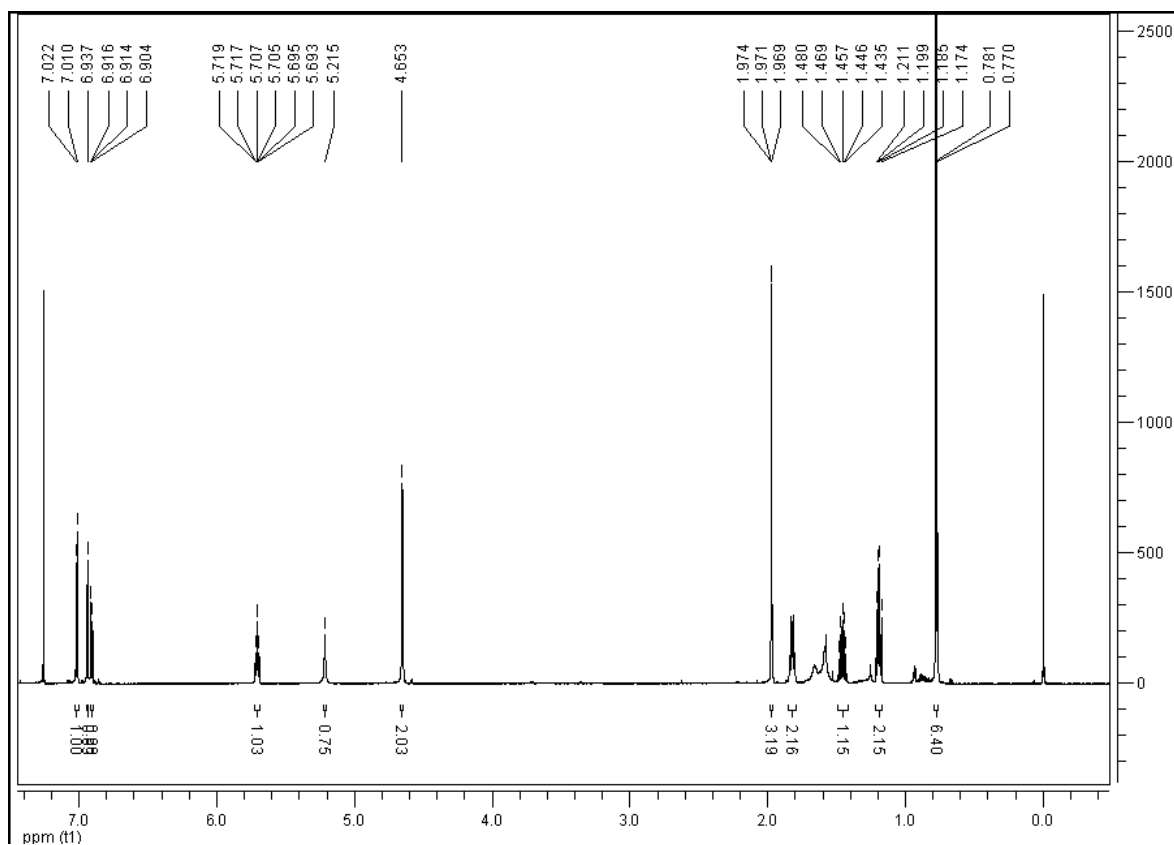


Figure S18. ^{13}C NMR spectrum (150 MHz, CDCl_3) of (Z)-5-(hydroxymethyl)-2-(6'-methylhept-2'-en-2'-yl)phenol (5)

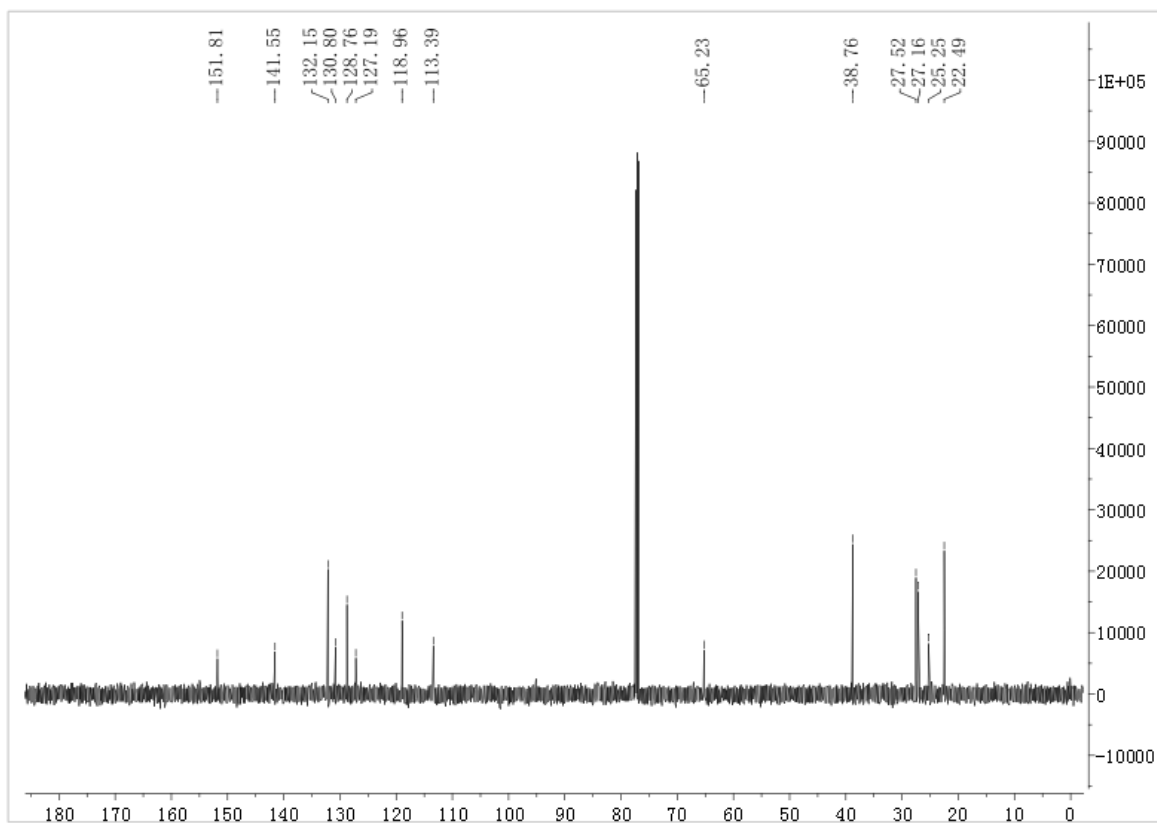


Figure S19. HRESI mass spectrum of (Z)-5-(hydroxymethyl)-2-(6'-methylhept-2'-en-2'-yl) phenol (5)

Elemental Composition Report

Single Mass Analysis

Tolerance = 5.0 PPM / DBE: min = -1.5, max = 50.0

Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

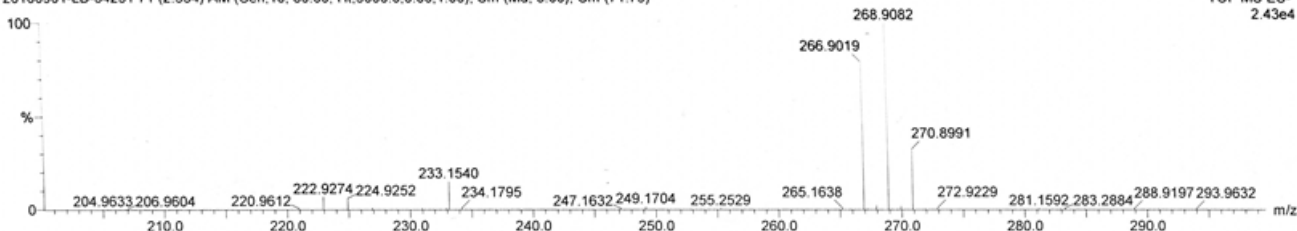
Monoisotopic Mass, Odd and Even Electron Ions

32 formula(e) evaluated with 1 results within limits (all results (up to 1000) for each mass)

LD-34231

20100901-LD-34231 71 (2.534) AM (Cen.10, 80.00, Ht.5000.0.0.00.1.00); Sm (Md, 3.00); Cm (71.75)

TOF MS ES-
2.43e4



Minimum:

Maximum: 200.0 5.0 -1.5

233.1540 50.0

Mass	Calc. Mass	mDa	PPM	DBE	Score	Formula
233.1540	233.1542	-0.2	-0.7	5.5	1	C15 H21 O2