

Supplementary Materials: Two New Secondary Metabolites from the Endophytic Fungus *Endomelanconiopsis endophytica*

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Figure S18. ^{13}C -NMR spectrum of 2-hydroxymethyl-3-methylcyclopent-2-enone (4) in CDCl_3

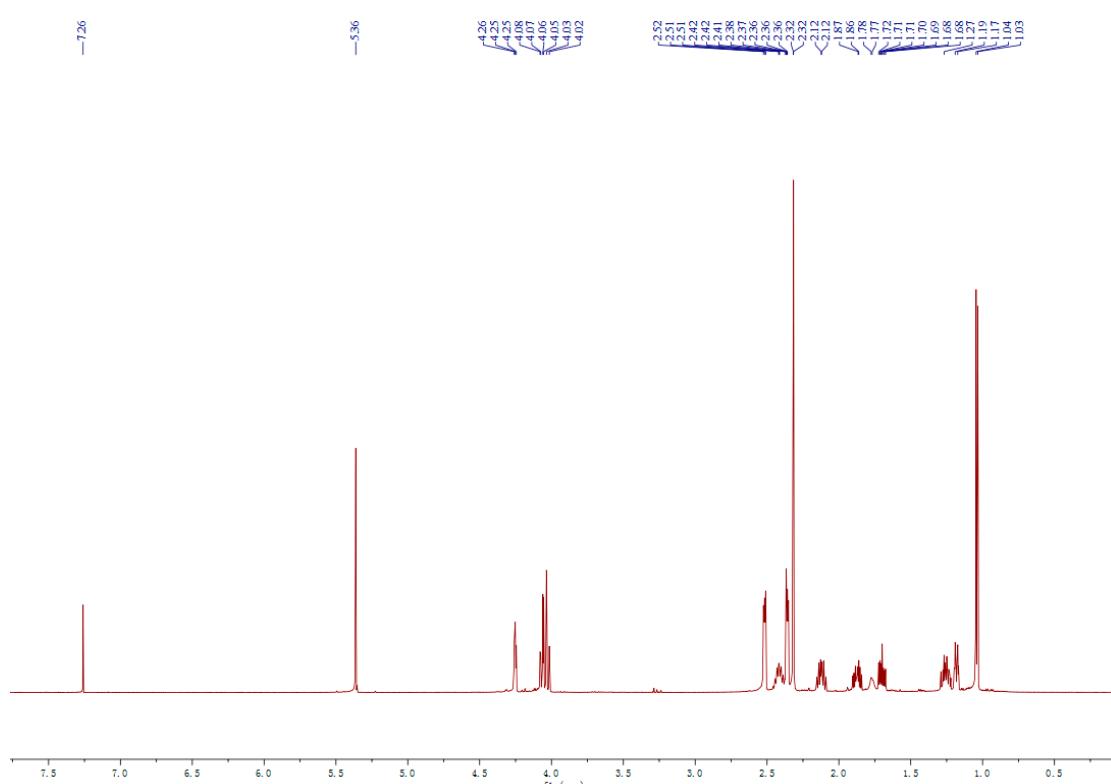


Figure S1. ^1H -NMR spectrum of endomeketal A (1) in CDCl_3 .

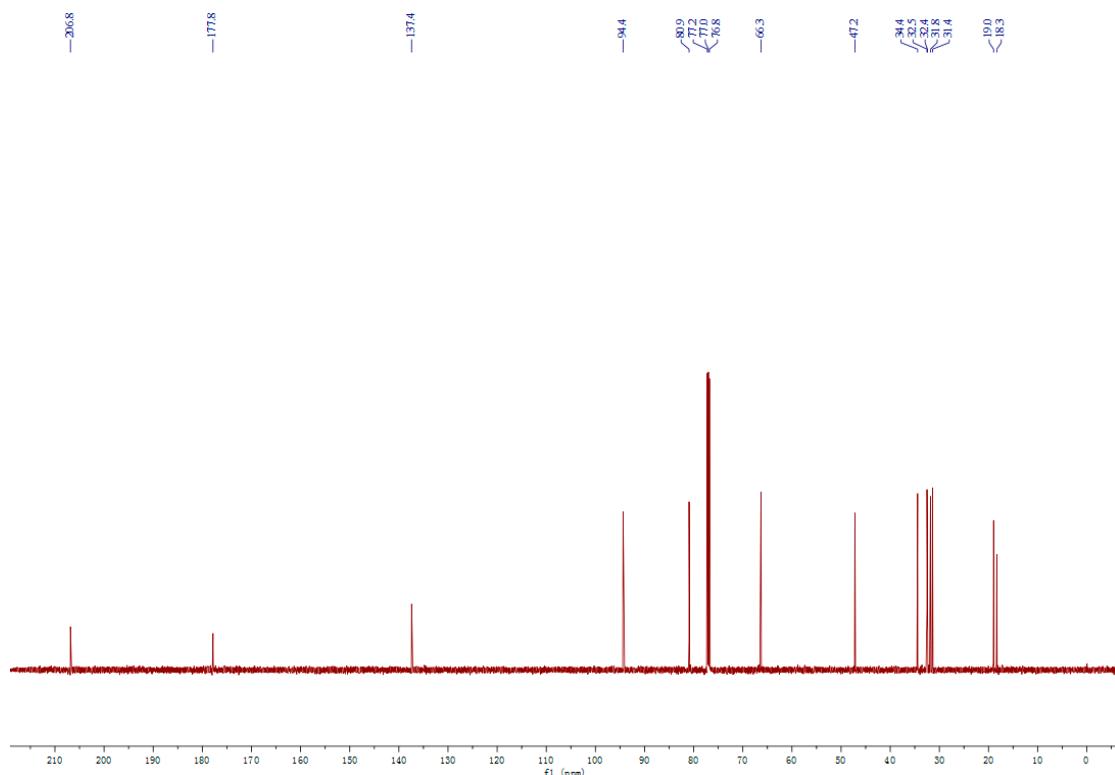


Figure S2. ^{13}C -NMR spectrum of endomeketal A (1) in CDCl_3 .

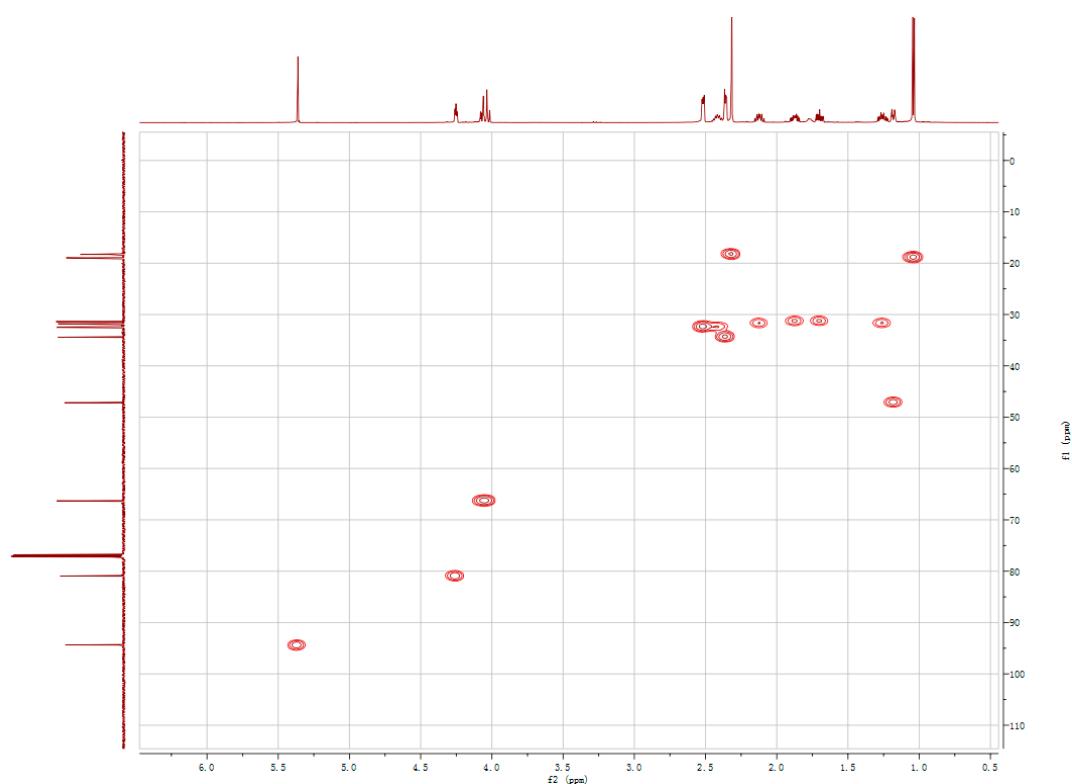


Figure S3. HSQC spectrum of endomeketal A (1) in CDCl_3 .

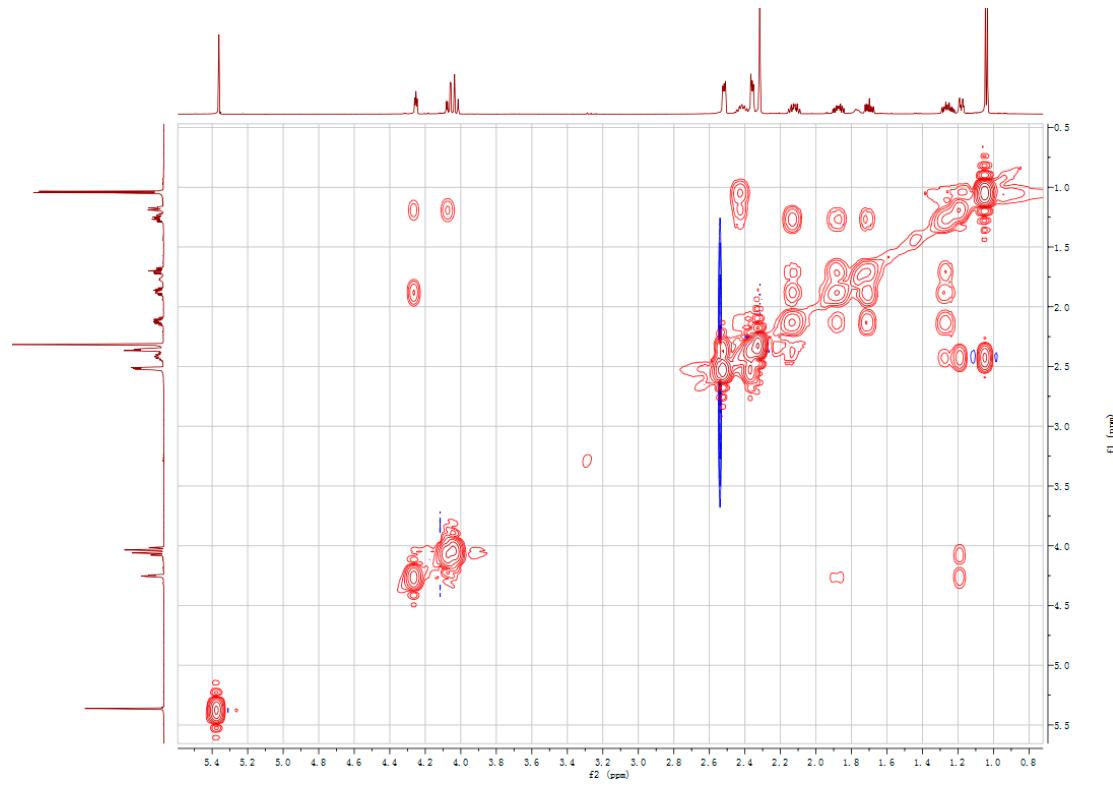


Figure S4. ^1H - ^1H -COSY spectrum of endomeketal A (1) in CDCl_3 .

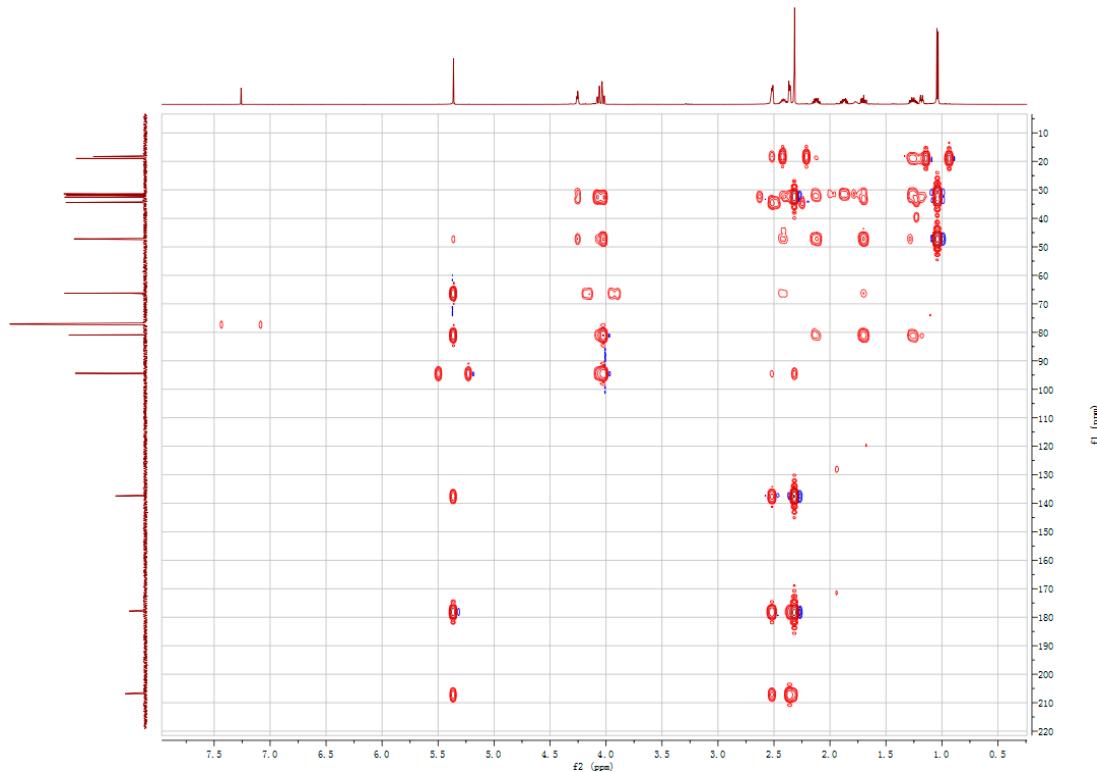


Figure S5. HMBC spectrum of endomeketal A (1) in CDCl_3 .

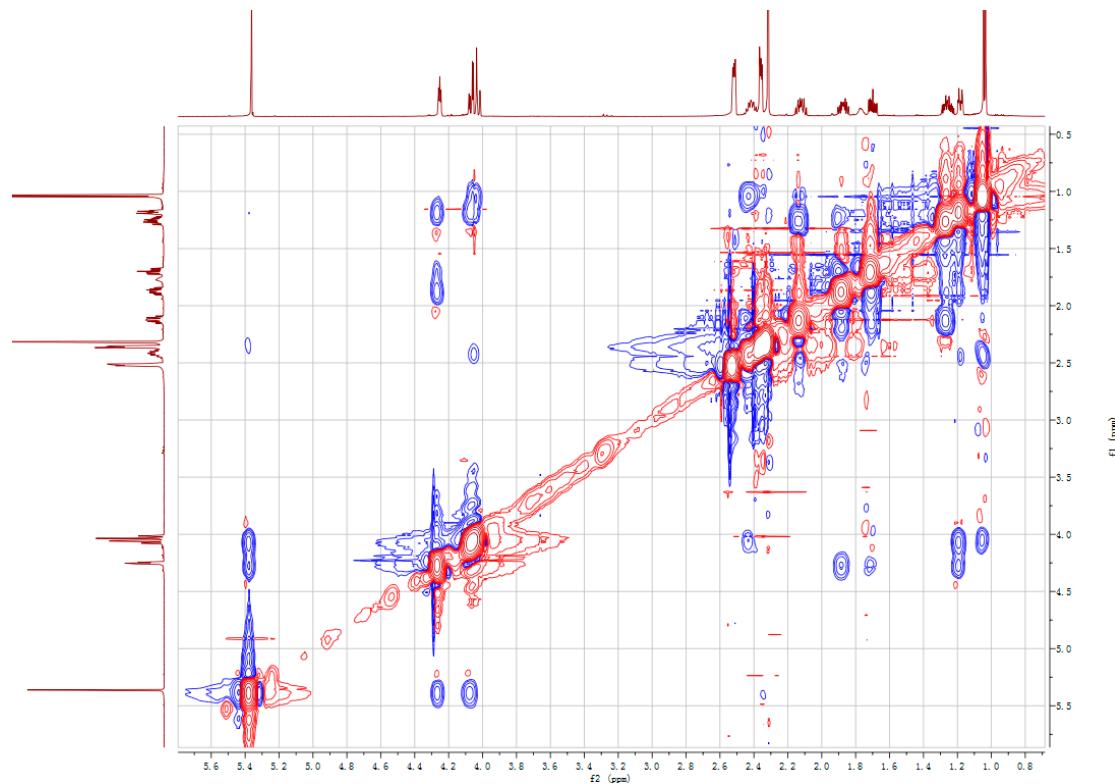
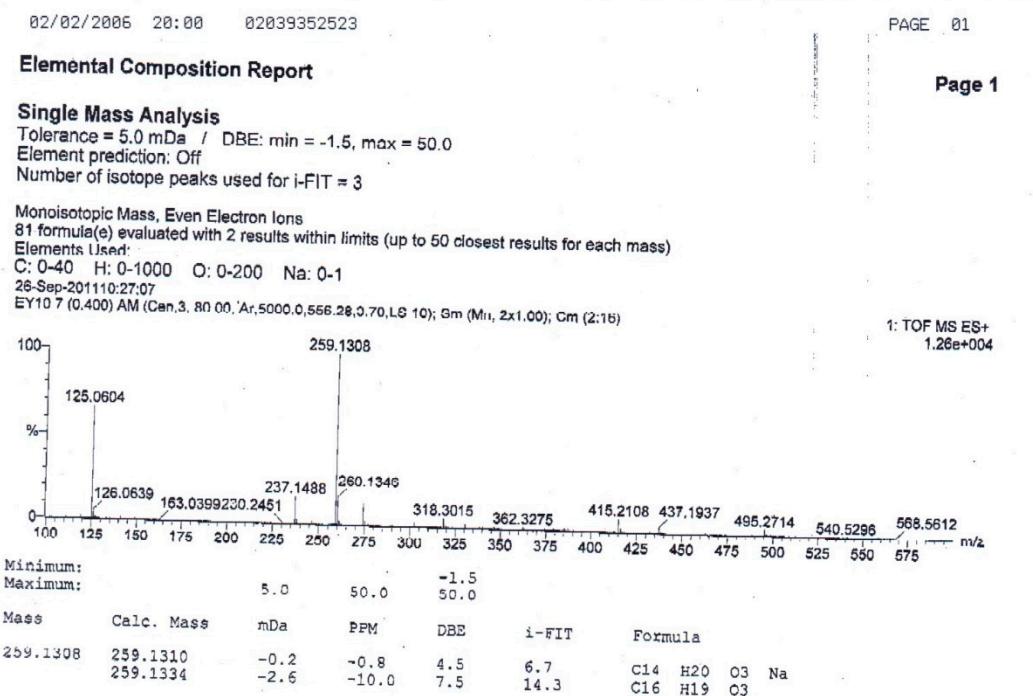
Figure S6. NOESY spectrum of endomeketal A (1) in CDCl_3 .

Figure S7. HRESIMS spectrum of endomeketal A (1).

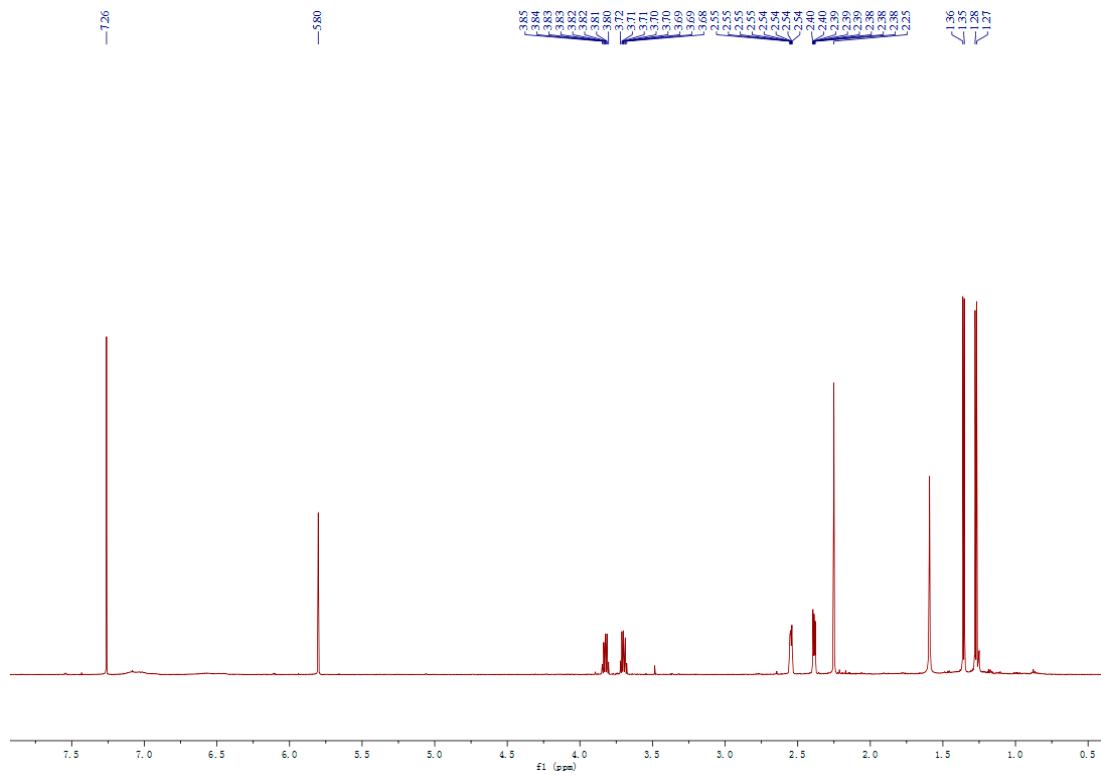


Figure S8. ^1H -NMR spectrum of endomeketal B (2) in CDCl_3 .

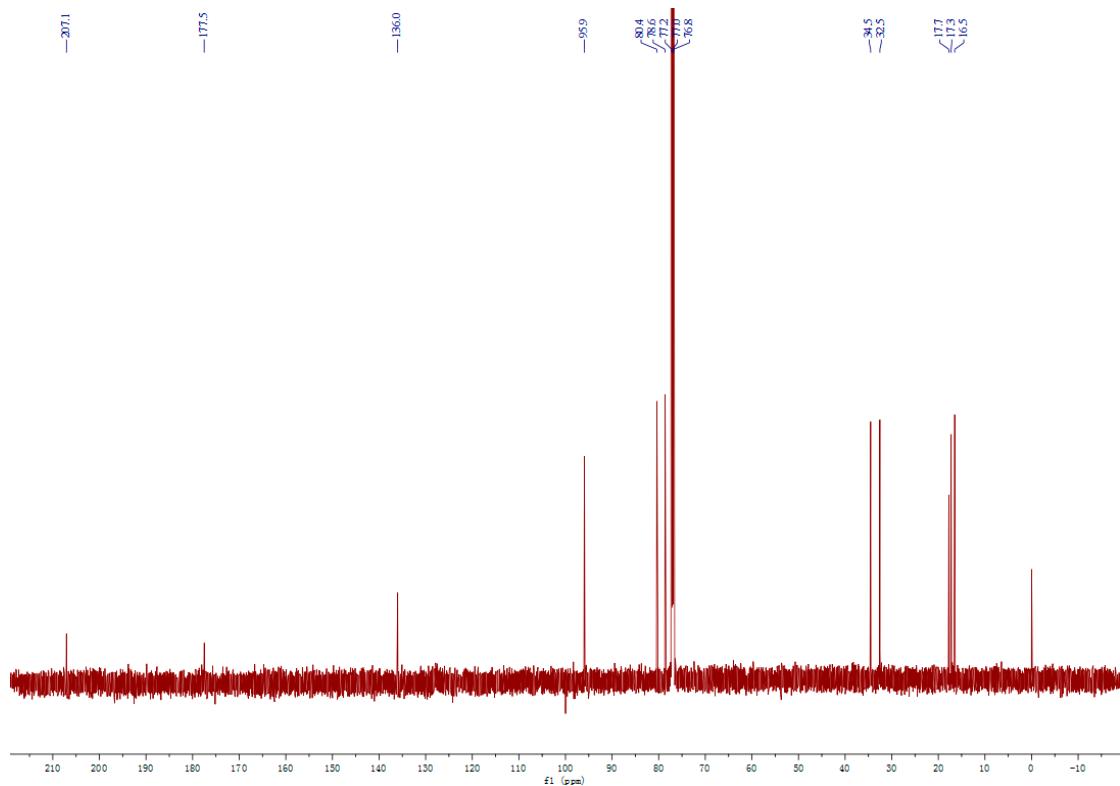


Figure S9. ^{13}C -NMR spectrum of endomeketal B (2) in CDCl_3 .

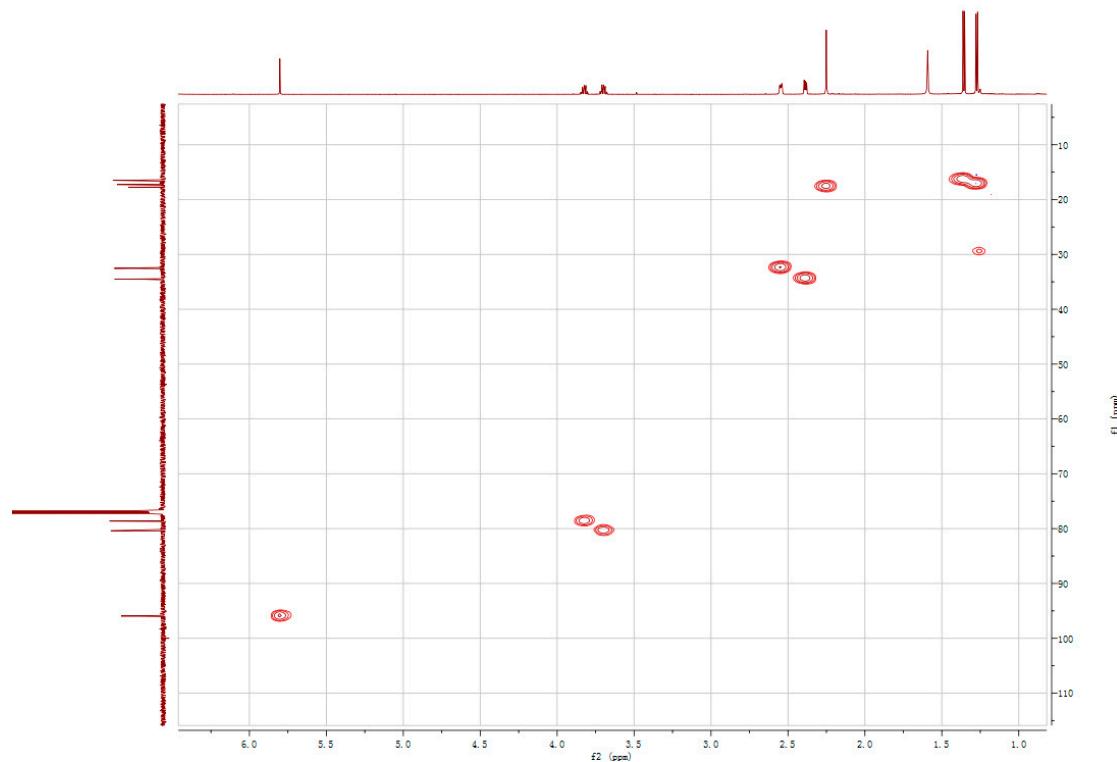


Figure S10. HSQC spectrum of endomeketal B (2) in CDCl_3 .



Figure S11. ^1H - ^1H -COSY spectrum of endomeketal B (2) in CDCl_3 .

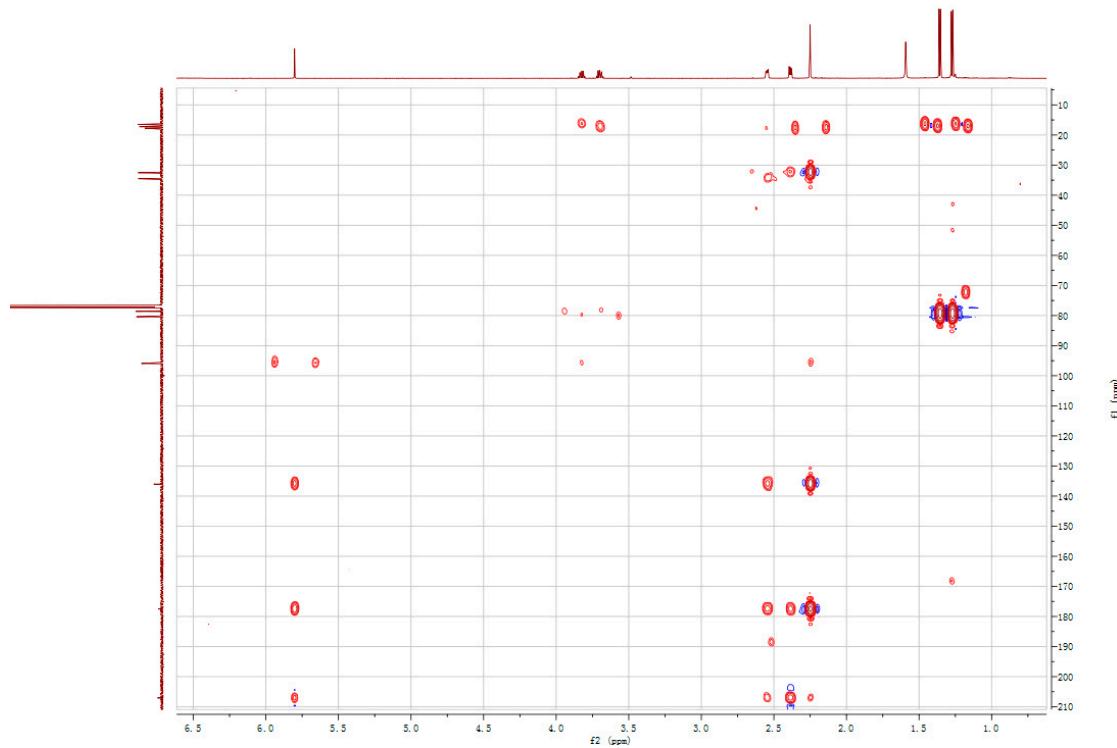


Figure S12. HMBC spectrum of endomeketal B (2) in CDCl_3 .

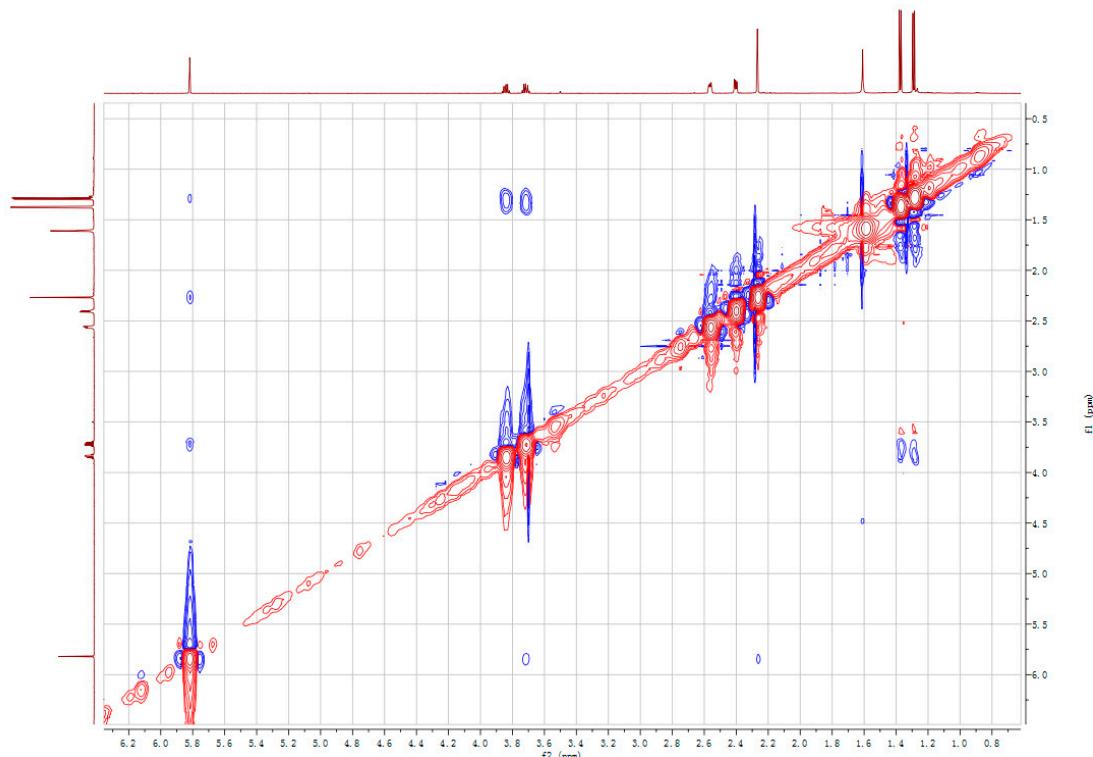


Figure S13. NOESY spectrum of endomeketal B (2) in CDCl_3 .

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Elemental Composition Report**Single Mass Analysis**

Tolerance = 5.0 mDa / DBE: min = -1.5, max = 50.0
 Element prediction: Off
 Number of isotope peaks used for i-FIT = 3

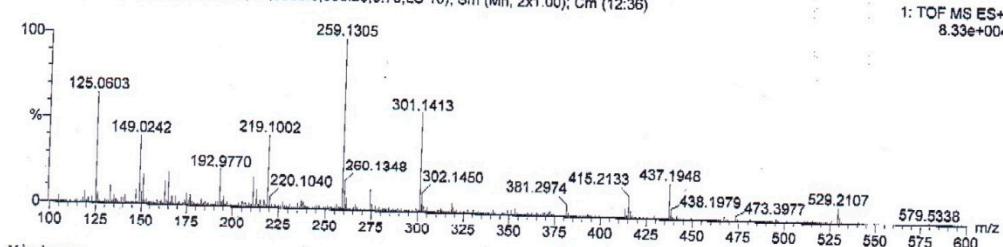
Monoisotopic Mass, Even Electron Ions63 formula(e)^s evaluated with 2 results within limits (up to 50 closest results for each mass)

Elements Used:

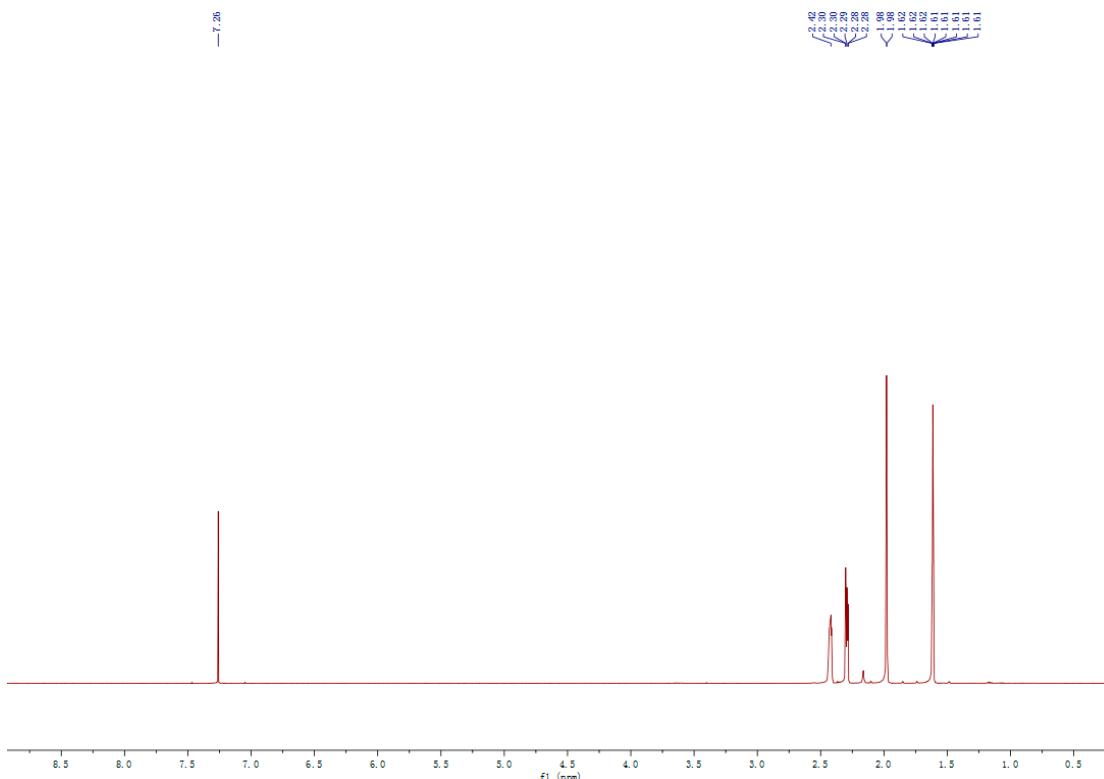
C: 0-40 H: 0-1000 O: 0-200 Na: 0-1

26-Sep-2011 10:54:54

EY14 22 (1.215) AM (Cen.3, 80.00, Ar.5000.0, 556.28, 0.70, LS 10); Sm (Mn, 2x1.00); Cr (12:36)

1: TOF MS ES+
8.33e+004

| Minimum: | | | | | | |
|----------|------------|------|------|-----|-------|---|
| Maximum: | | | | | | |
| | 5.0 | | | | | |
| | 50.0 | | | | | |
| | -1.5 | | | | | |
| | 50.0 | | | | | |
| Mass | Calc. Mass | mDa | PPM | DBE | i-FIT | Formula |
| 219.1002 | 219.0997 | 0.5 | 2.3 | 3.5 | 495.6 | C ₁₁ H ₁₆ O ₃ Na |
| | 219.1021 | -1.9 | -0.7 | 6.5 | 397.4 | C ₁₃ H ₁₅ O ₃ |

Figure S14. HRESIMS spectrum of endomeketal B (2).**Figure S15.** ¹H-NMR spectrum of 2,3-dimethylcyclopent-2-en-1-one (3) in CDCl₃.

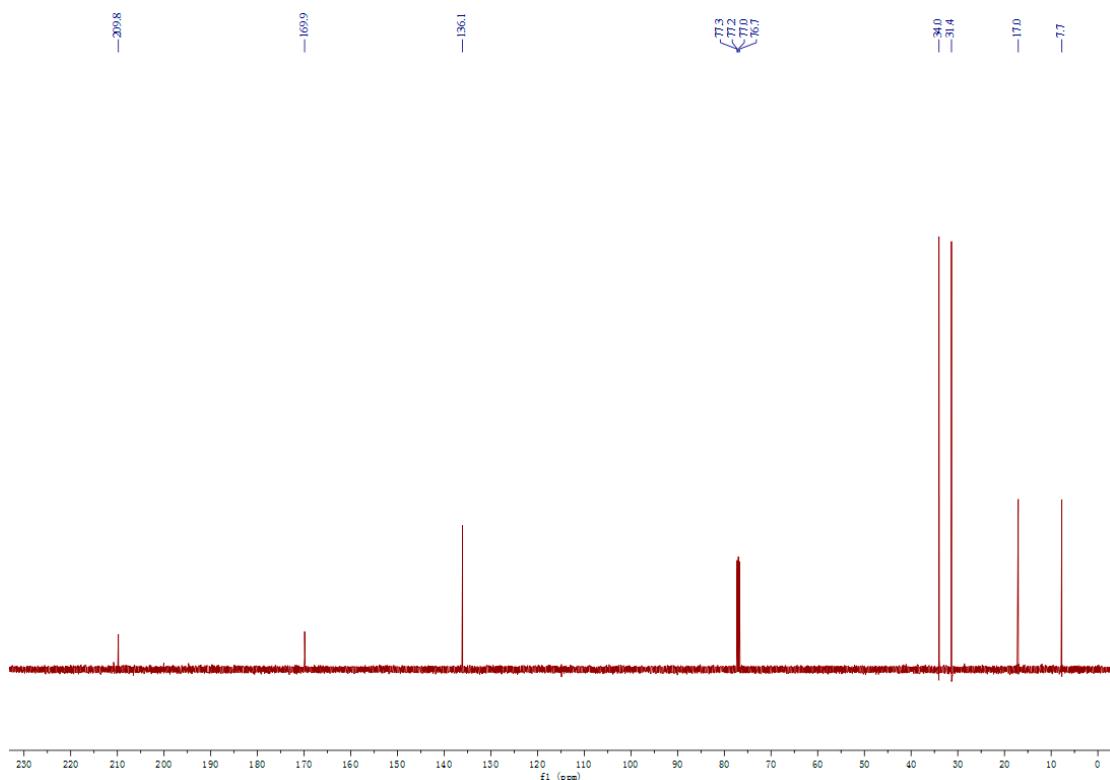


Figure S16. ¹³C-NMR spectrum of 2,3-dimethylcyclopent-2-en-1-one (3) in CDCl_3 .

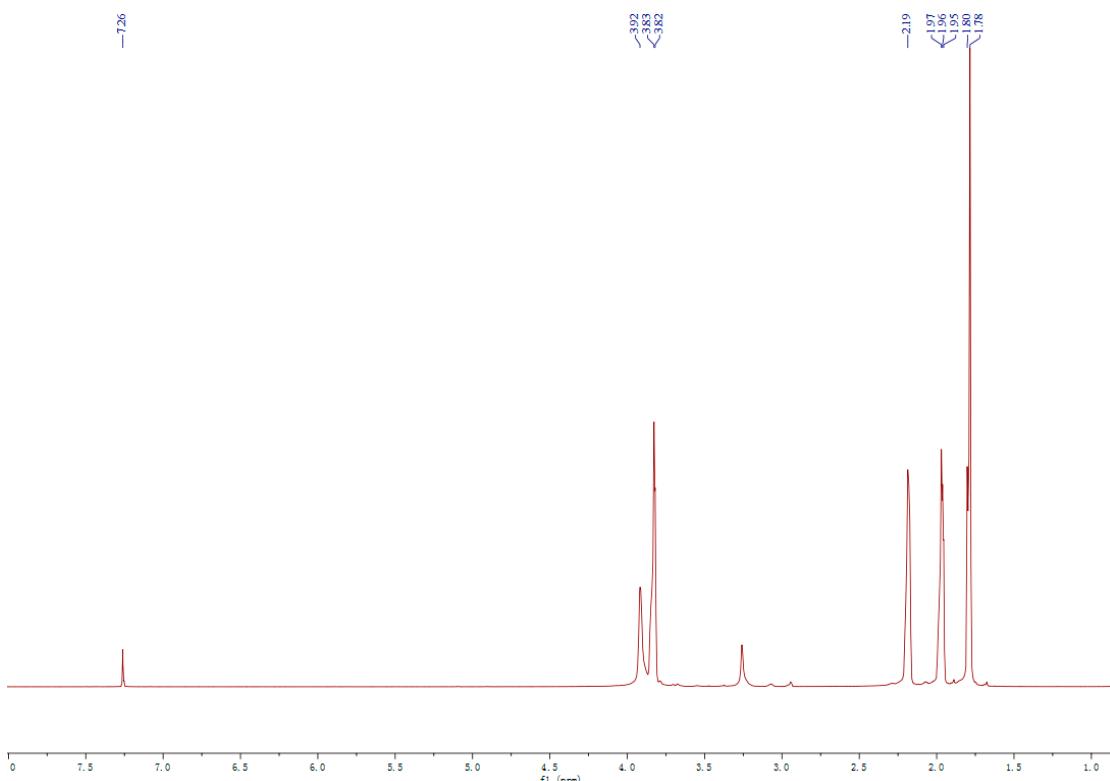


Figure S17. ¹H-NMR spectrum of 2-hydroxymethyl-3-methylcyclopent-2-enone (4) in CDCl_3 .

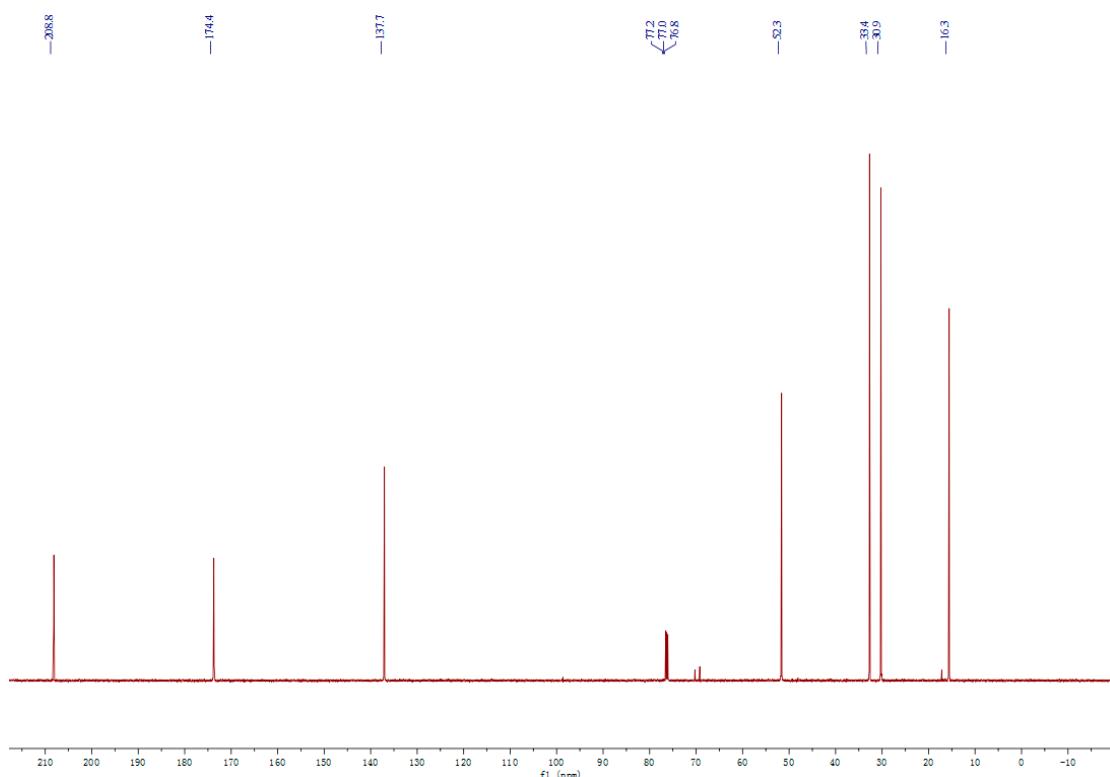


Figure S18. ^{13}C -NMR spectrum of 2-hydroxymethyl-3-methylcyclopent-2-enone (4) in CDCl_3 .