

Supplementary Materials

***In vitro* Antiplasmodial and Molecular Docking Studies of Chemical Constituent Isolated from the Bark of *Diospyros lanceifolia* (Ebenaceae)**

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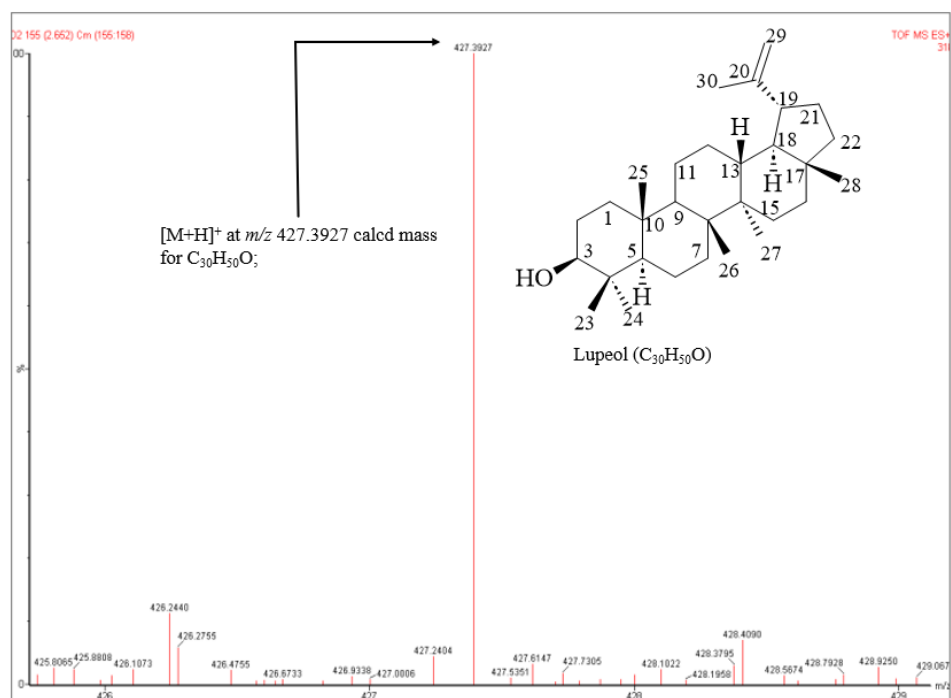


Figure S1: HRMS spectrum of **1**

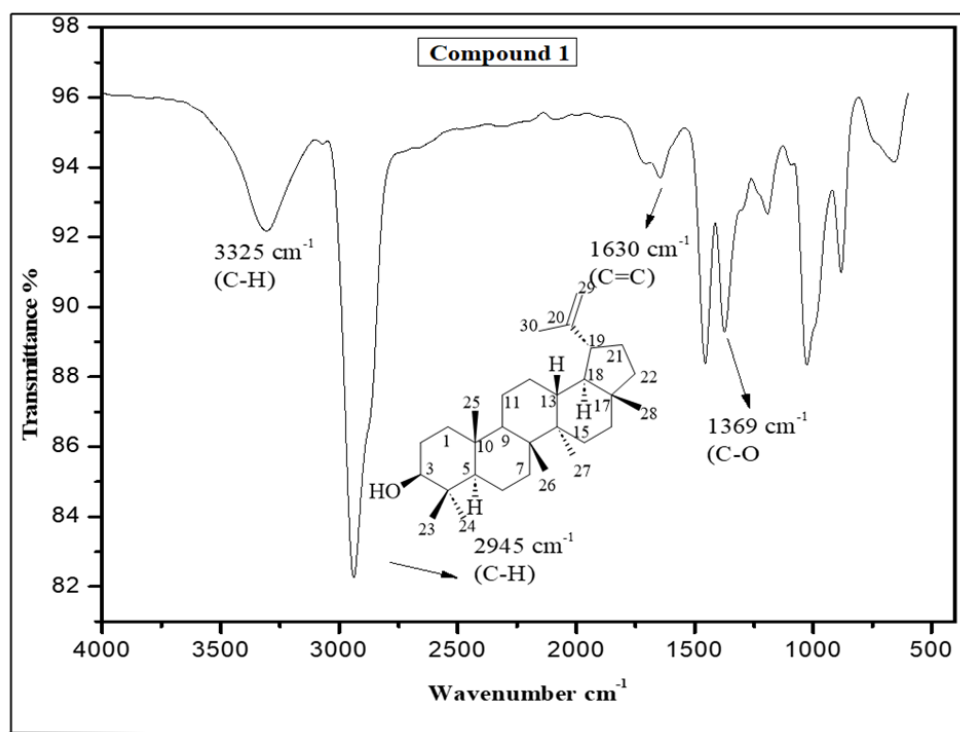


Figure S2: FT-IR spectrum of **1**

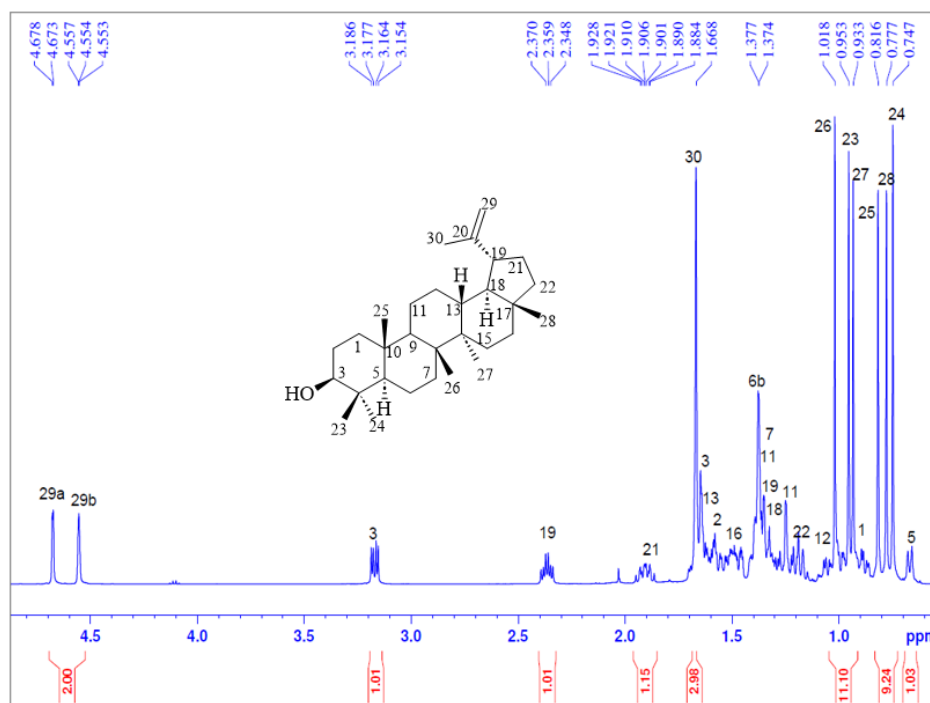


Figure S3: ¹H-NMR (500 MHz, CDCl₃) spectrum of **1**

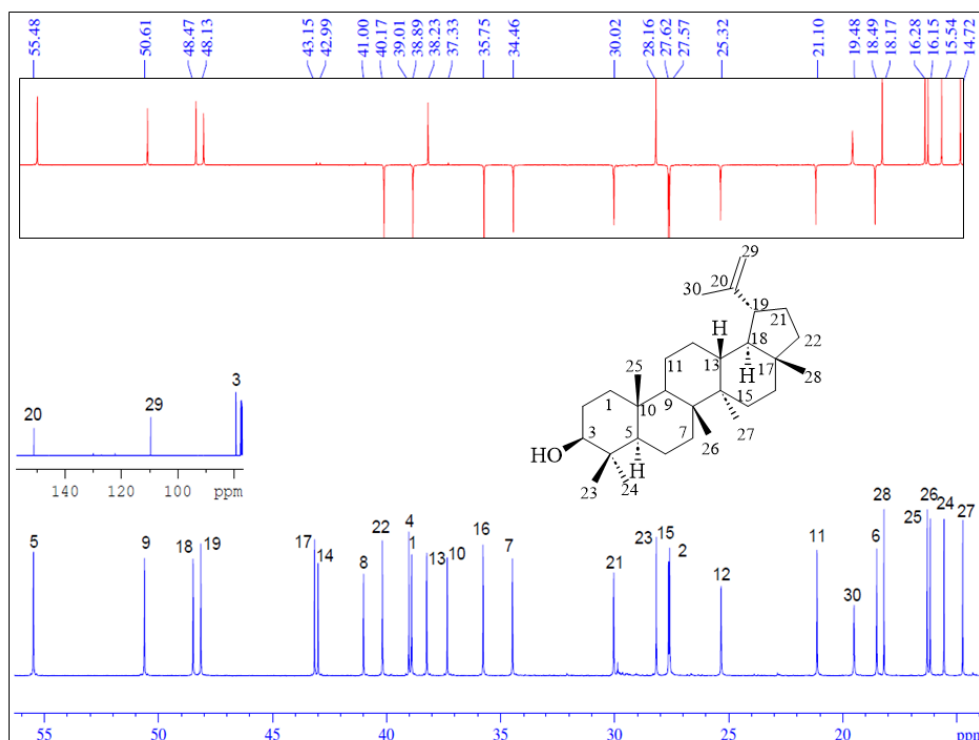


Figure S4: ¹³C-NMR and DEPT-135 (125 MHz, CDCl₃) spectrum of **1**

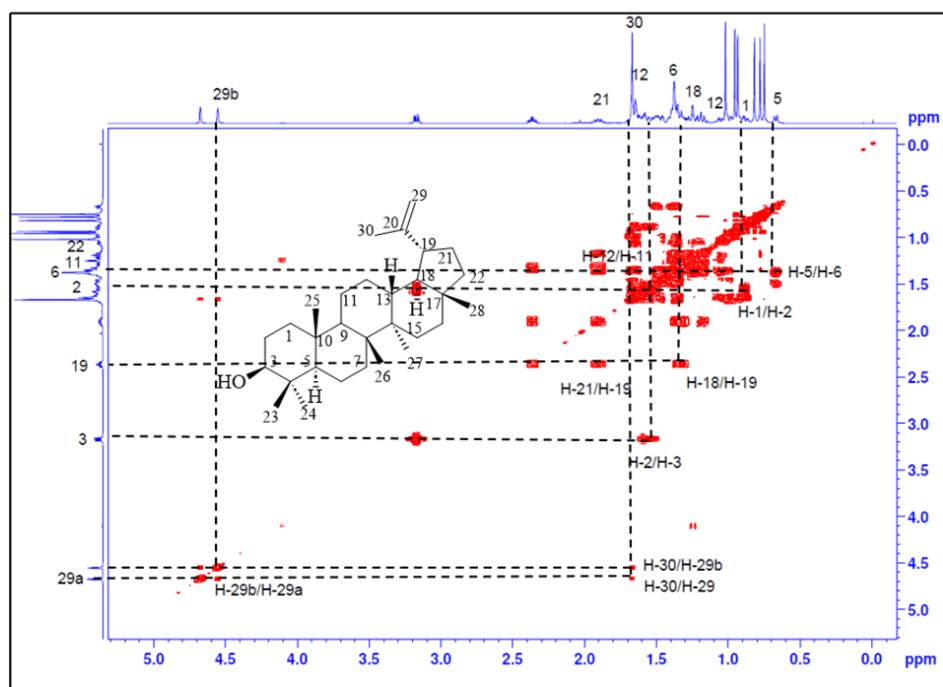


Figure S5: ^1H - ^1H COSY spectrum of **1**

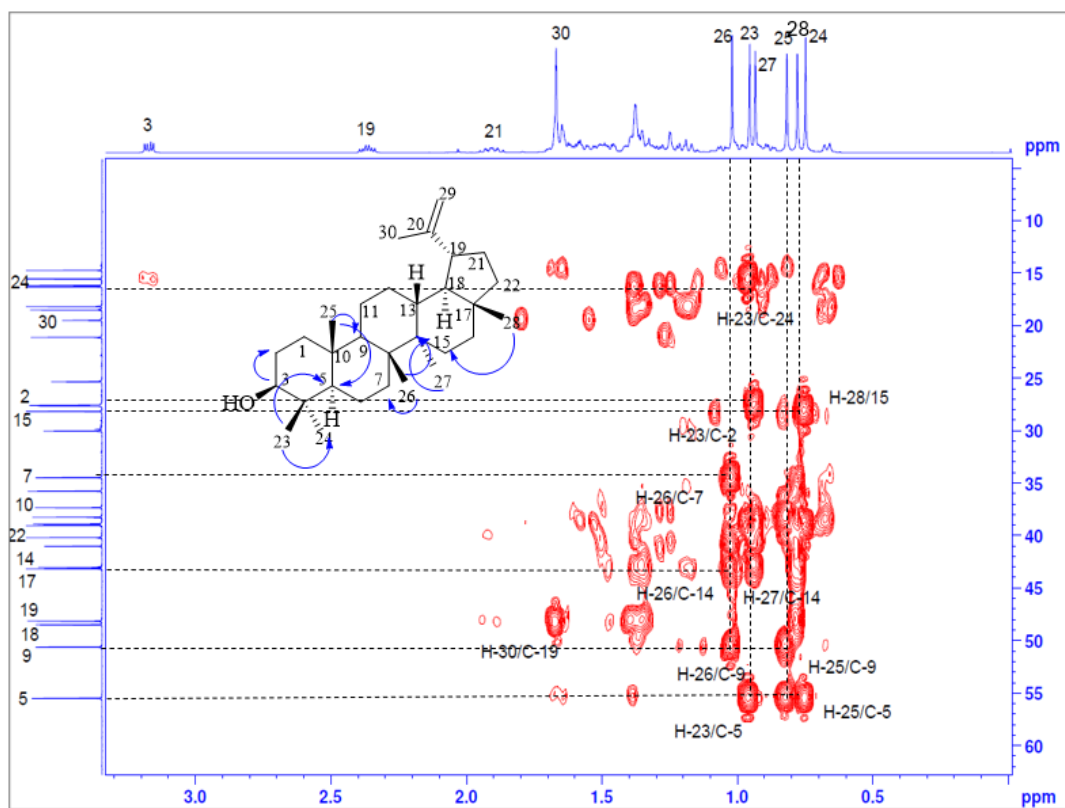


Figure S6: HMBC spectrum of **1**

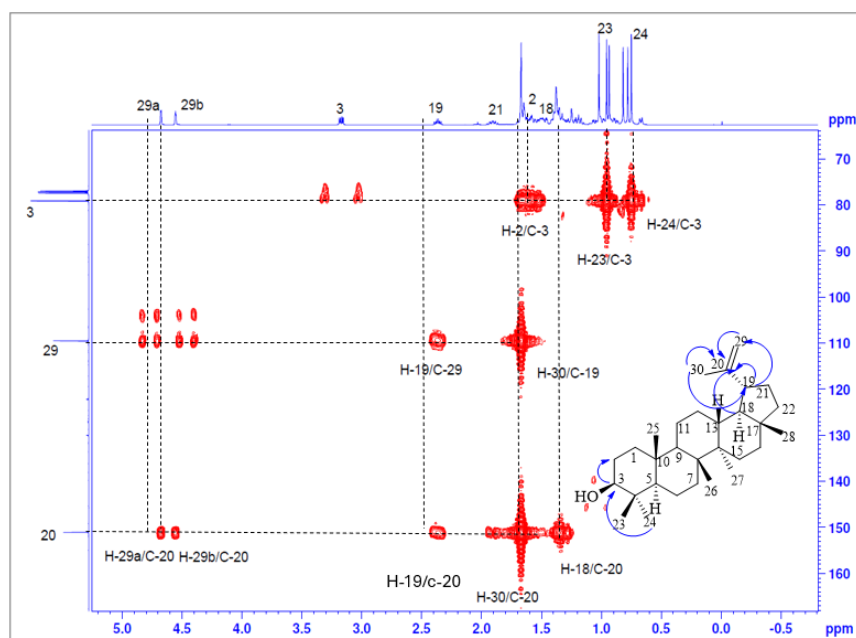


Figure S7: HMBC spectrum of **1** (expanded)

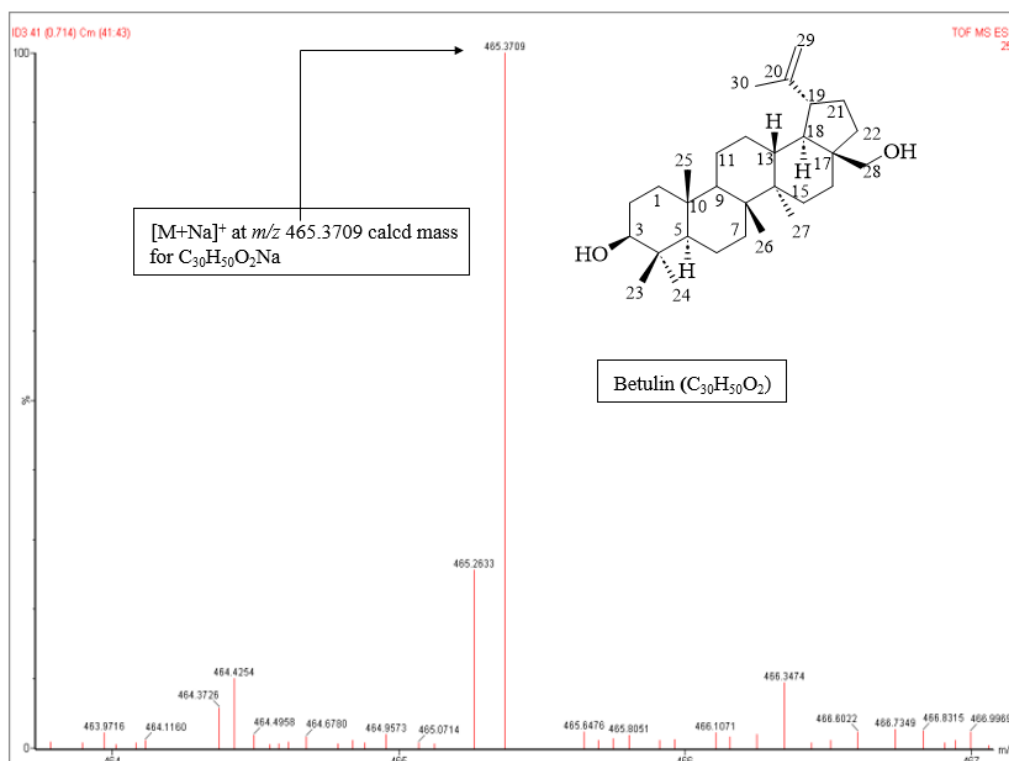


Figure S8: HRMS spectrum of **2**

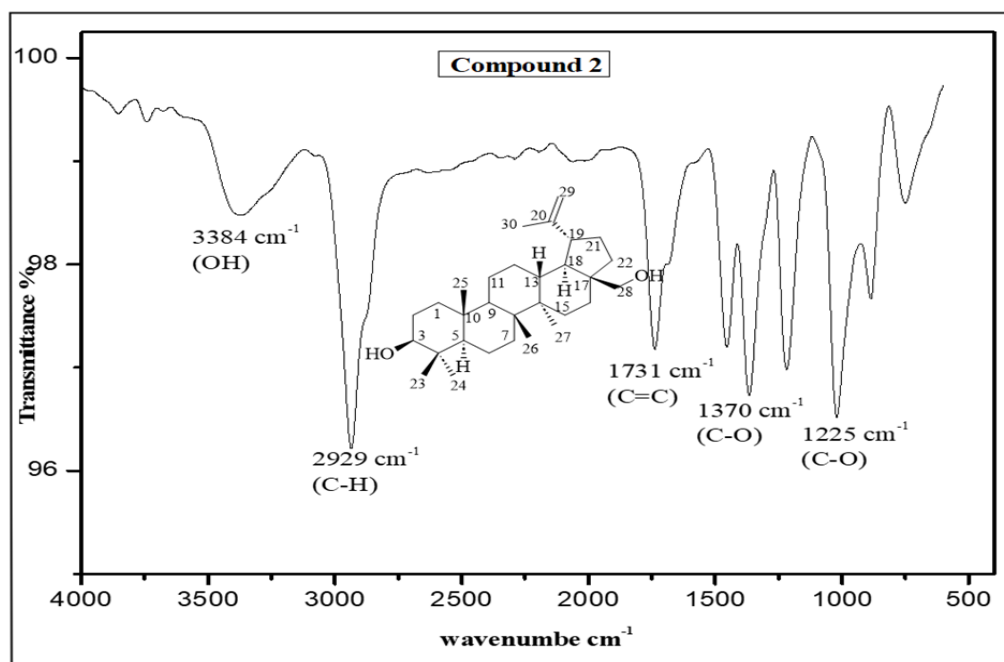


Figure S9: FT-IR spectrum of **2**

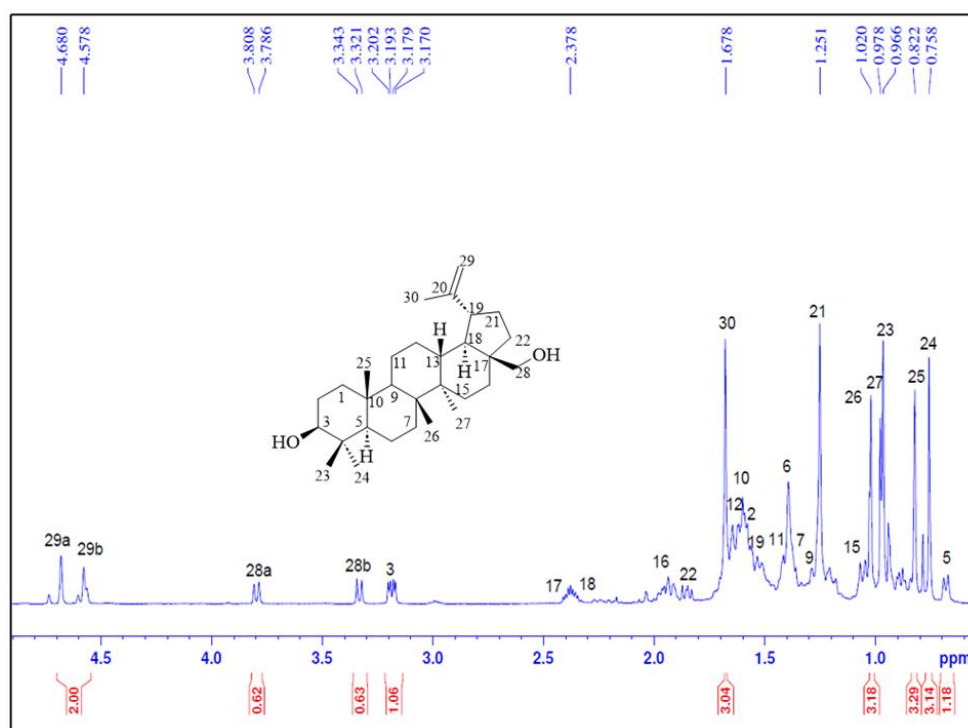


Figure S10: ^1H -NMR (500 MHz, CDCl_3) spectrum of **2**

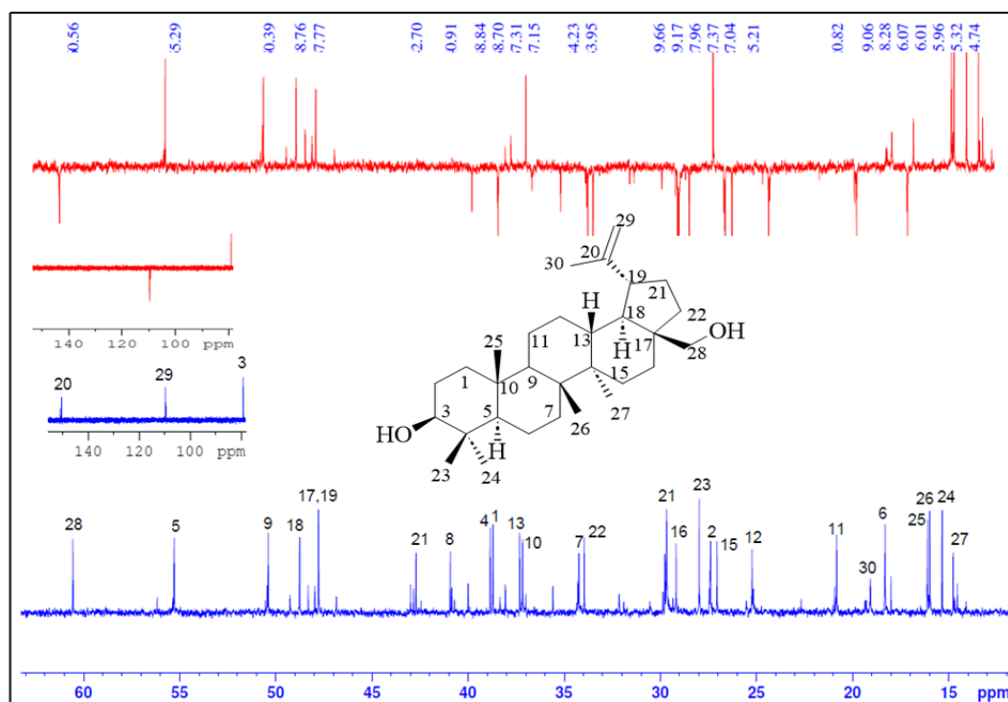


Figure S11: ^{13}C -NMR and DEPT-135 (125 MHz, CDCl_3) spectrum of **2**

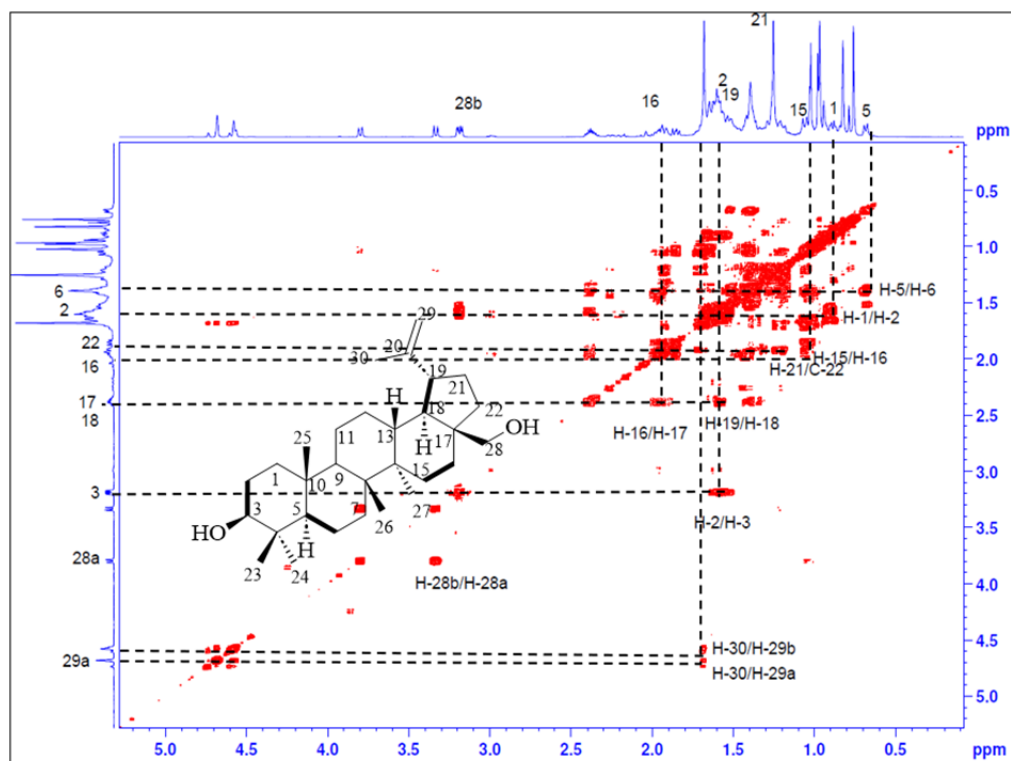


Figure S12: ^1H - ^1H COSY spectrum of **2**

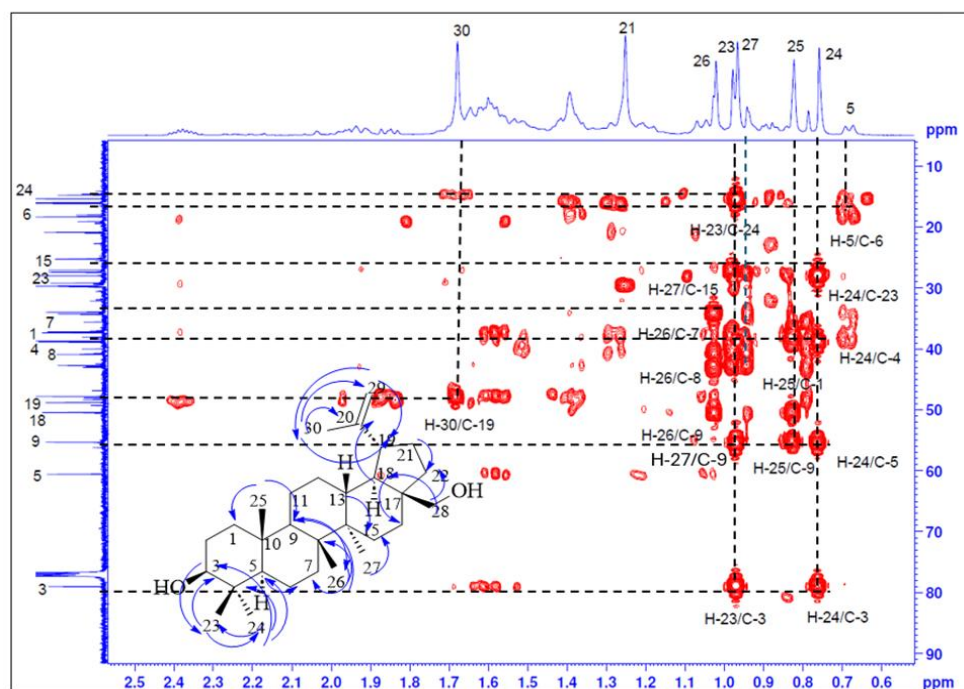


Figure S13: HMBC spectrum of **2**

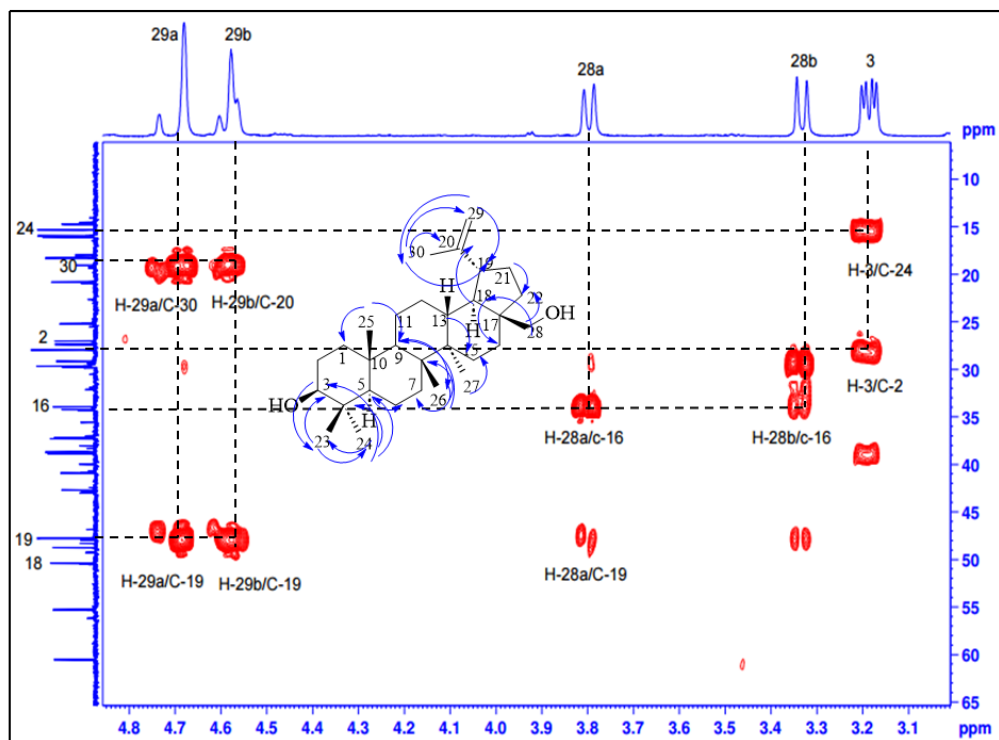


Figure S14: HMBC spectrum of **2** (Expanded)

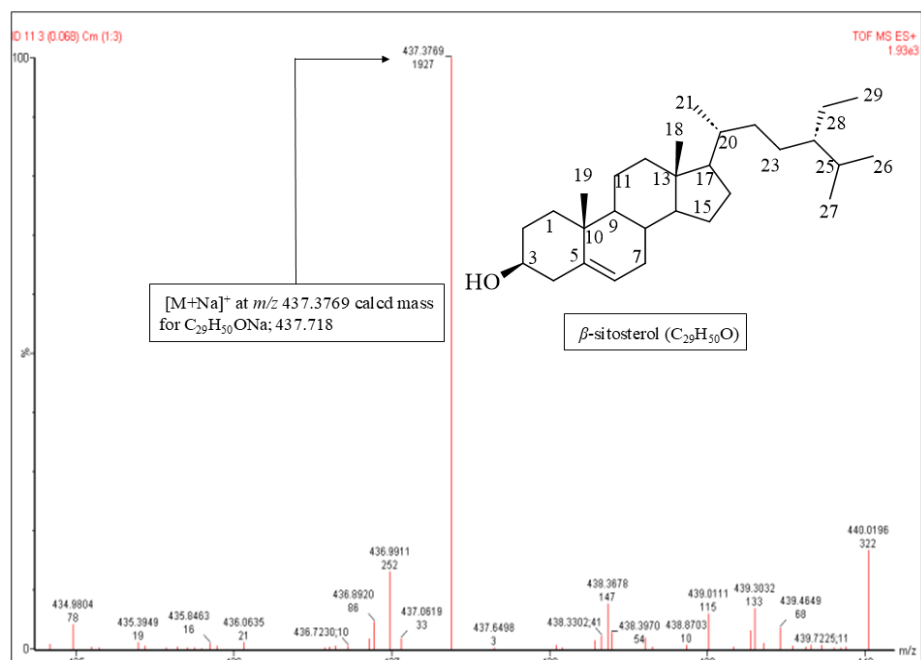


Figure S15: HRMS spectrum of **3**

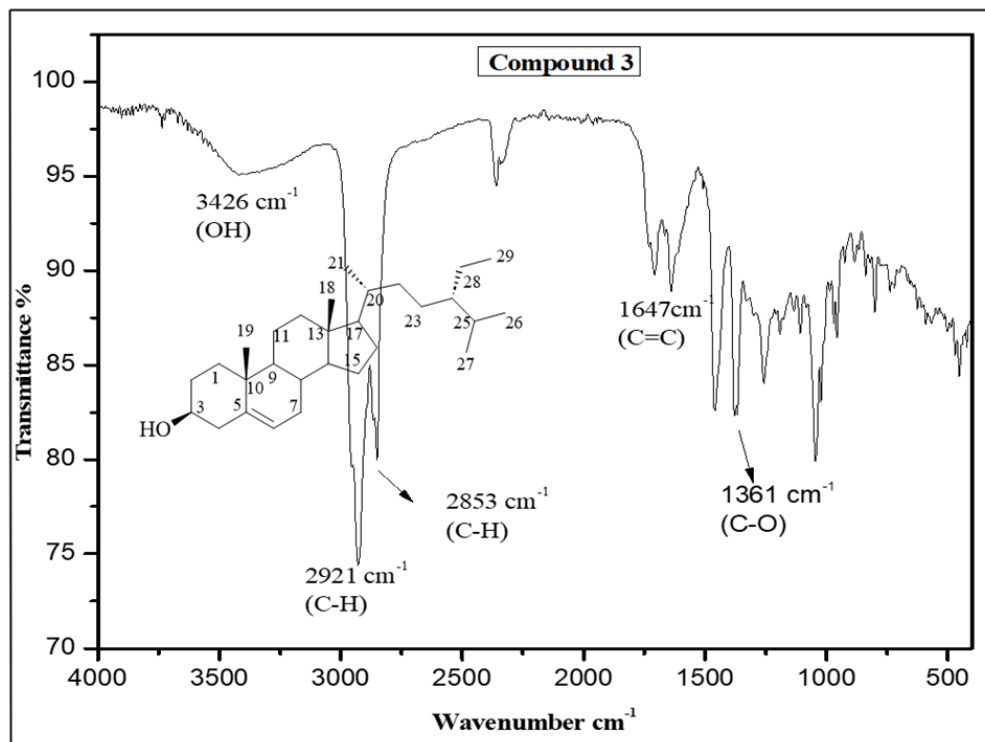


Figure S16: FT-IR spectrum of **3**

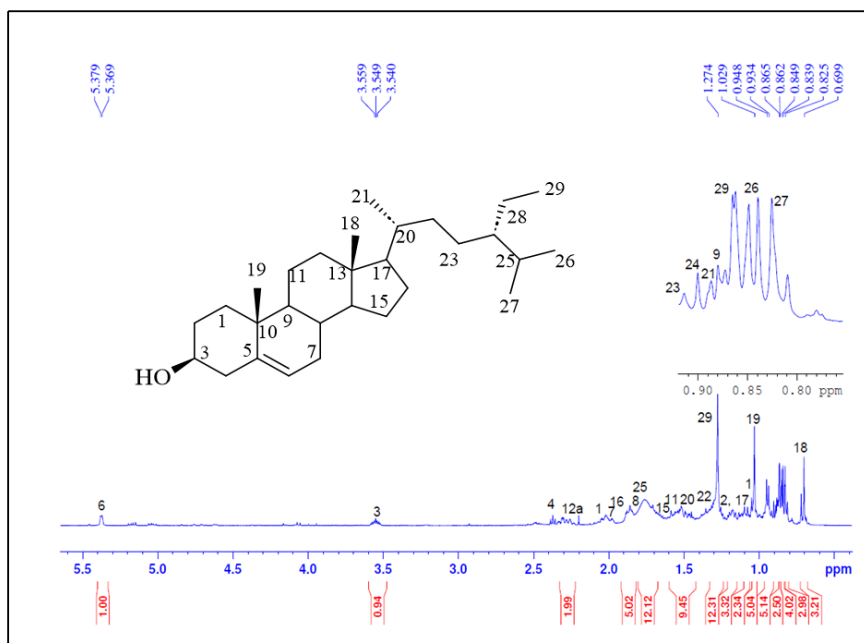


Figure S17: ^1H -NMR (500 MHz in CDCl_3) spectrum of **3**

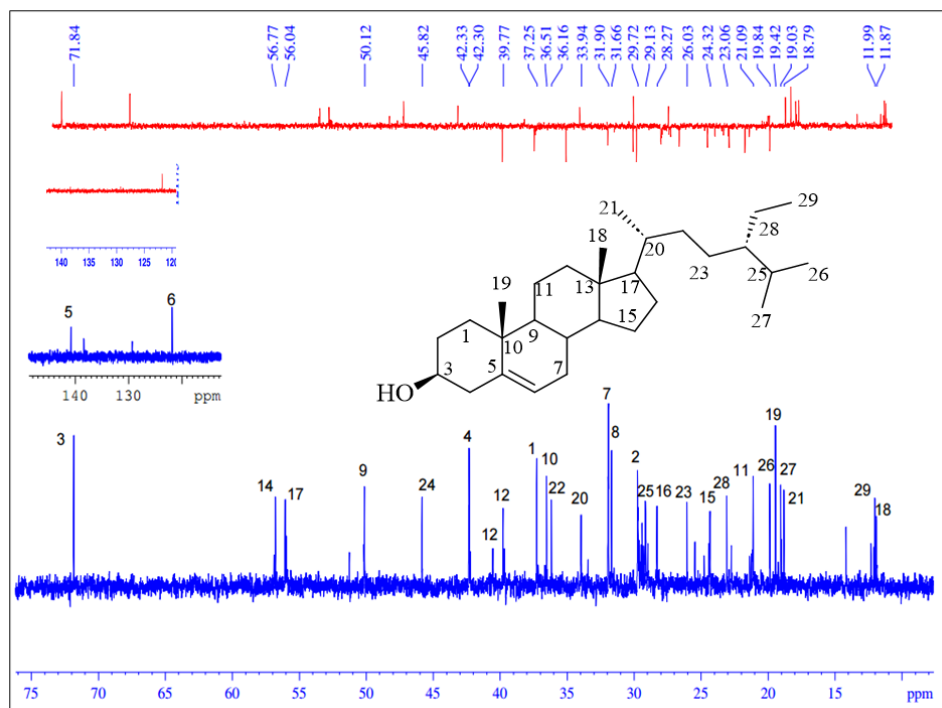


Figure S18: ^{13}C -NMR and DEPT-135 (125 MHz in CDCl_3) spectrum of **3**

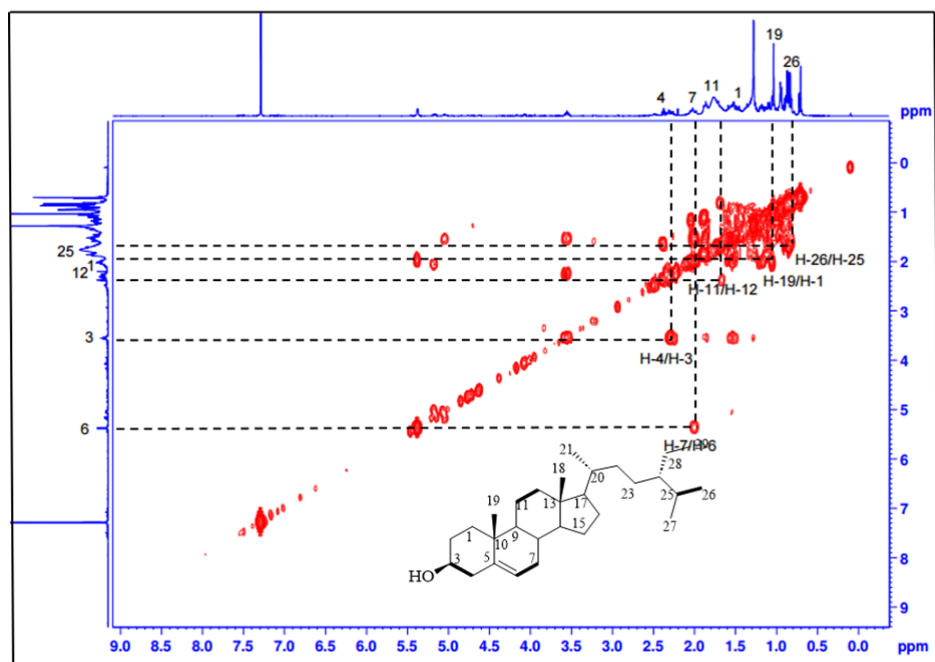


Figure S19: ^1H - ^1H COSY spectrum of **3**

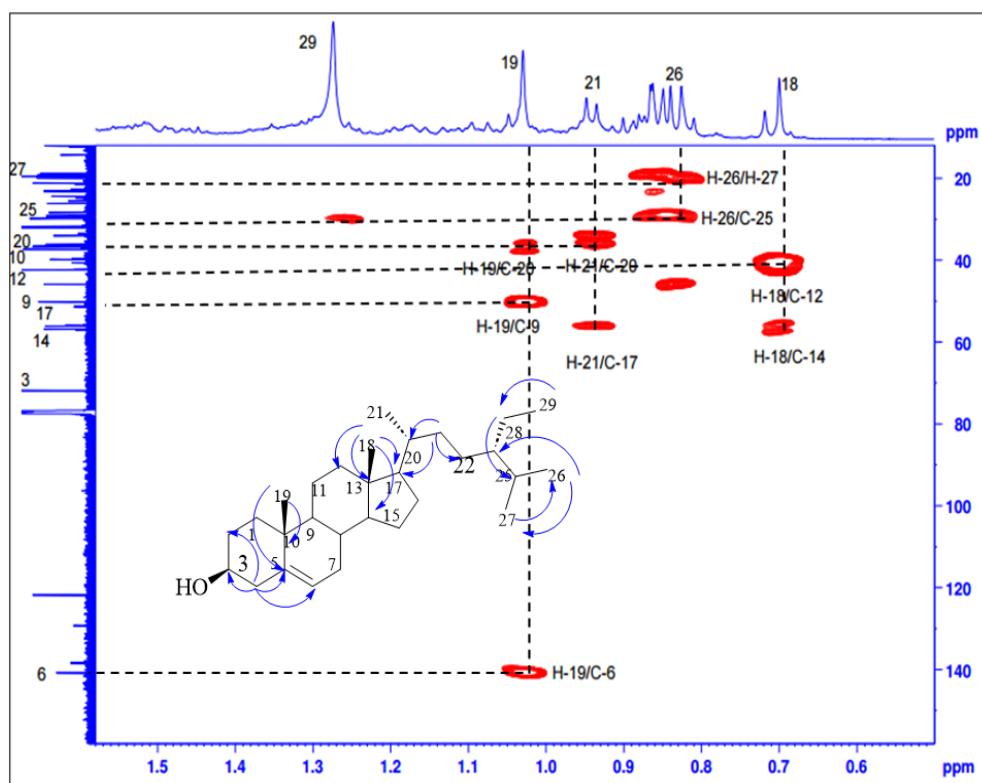


Figure S20: HMBC spectrum of **3**

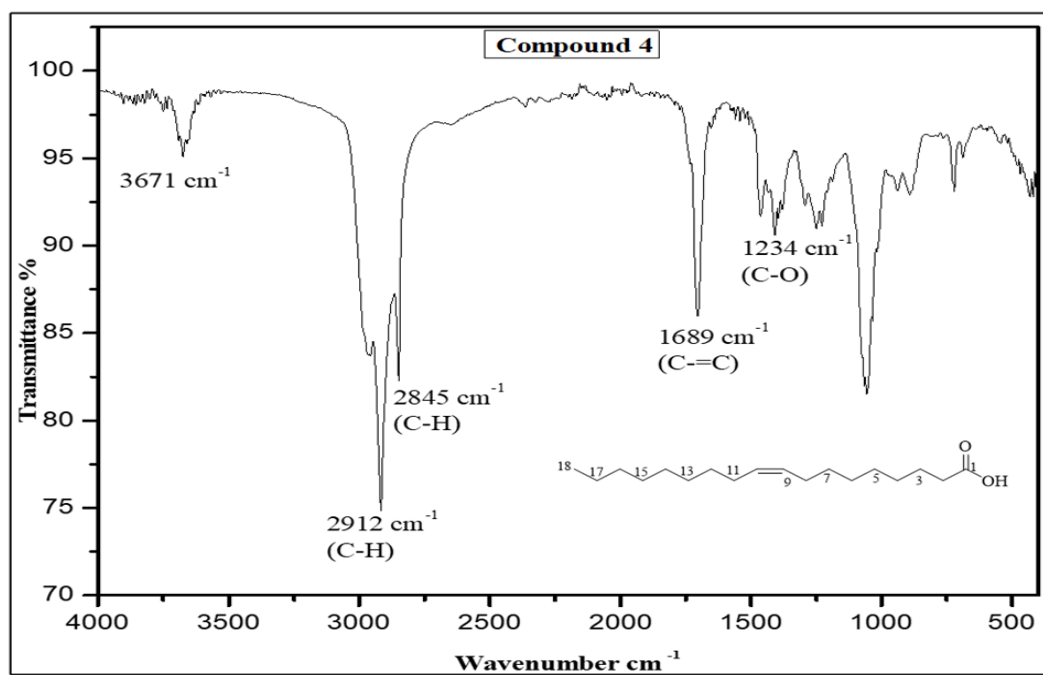


Figure S21: FT-IR spectrum of **4**

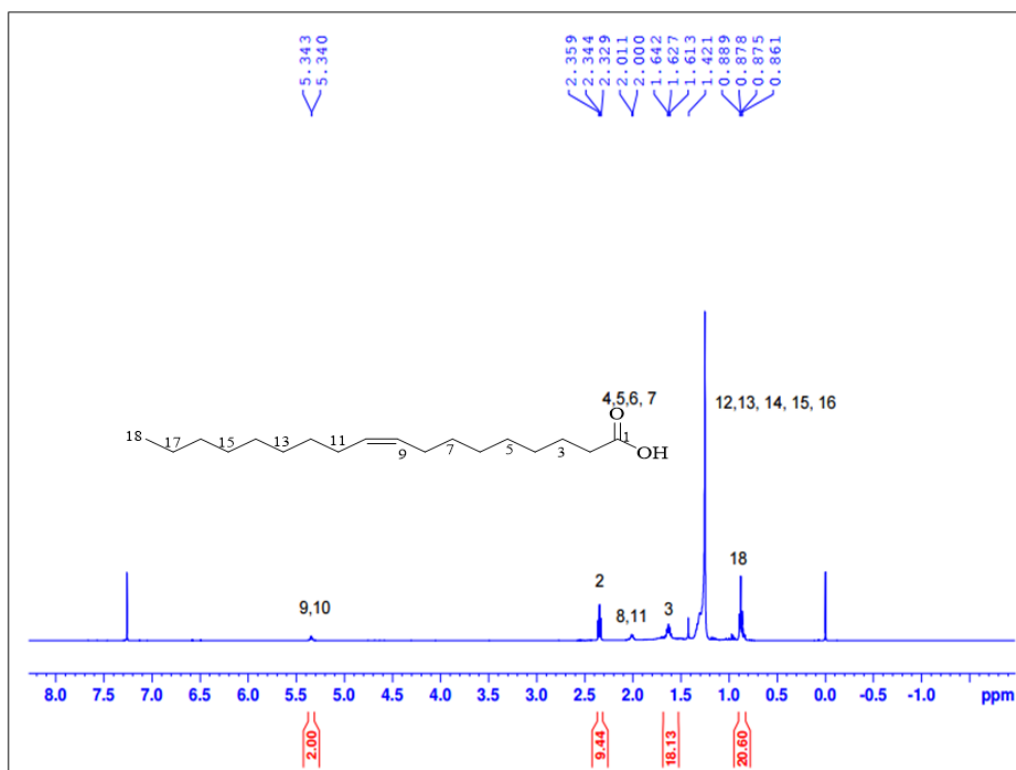
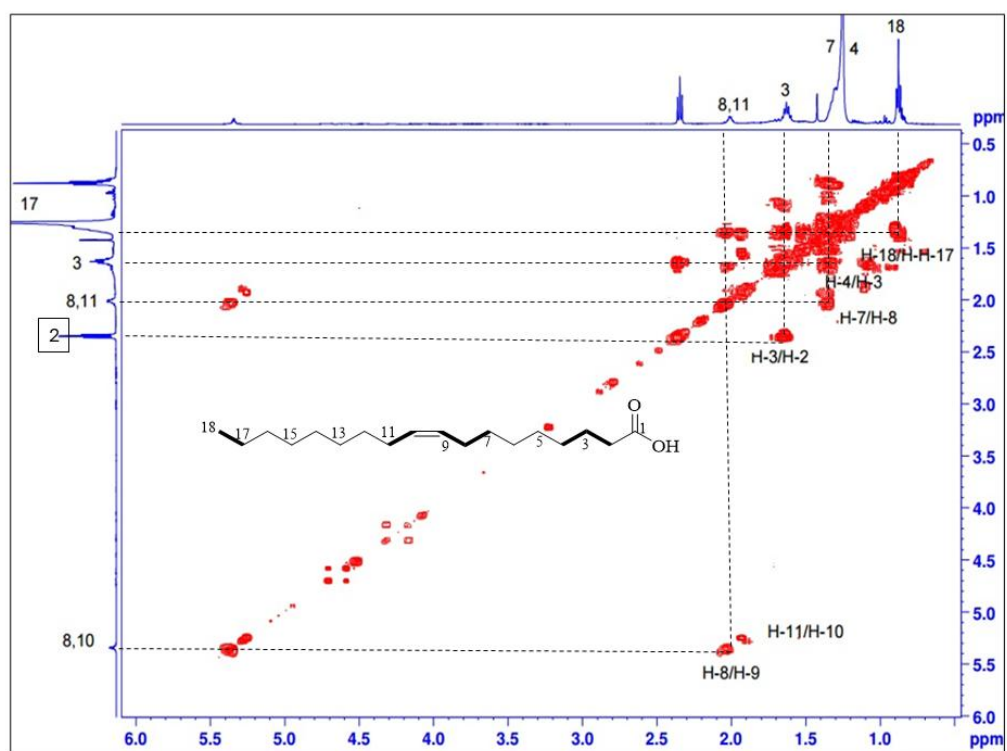
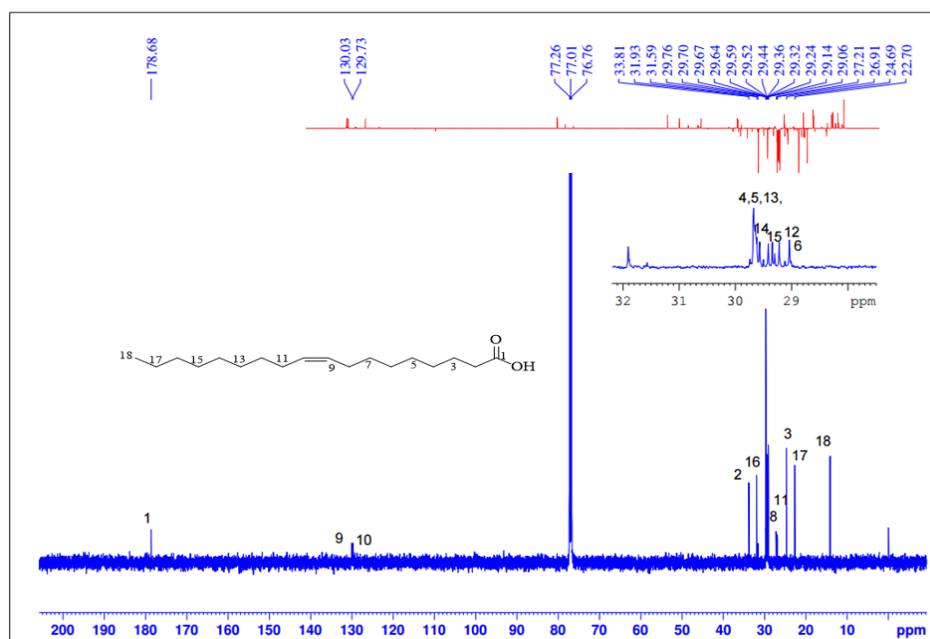


Figure S22: ^1H -NMR (500 MHz in CDCl_3) spectrum of **4**



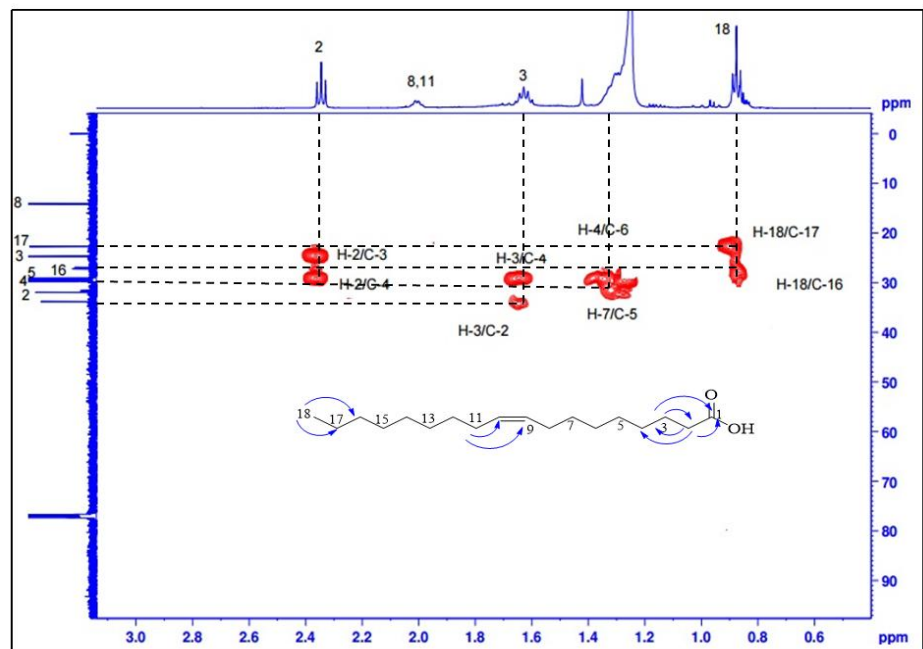


Figure S25: HMBC spectrum of **4**

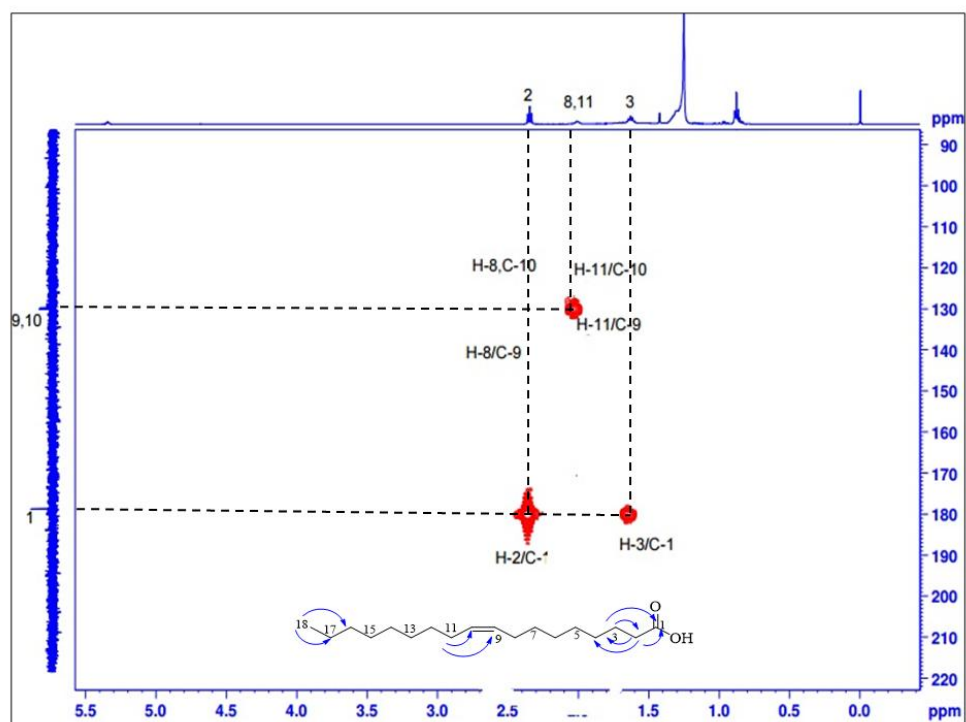


Figure S26: HMBC spectrum of **4** (Expanded)

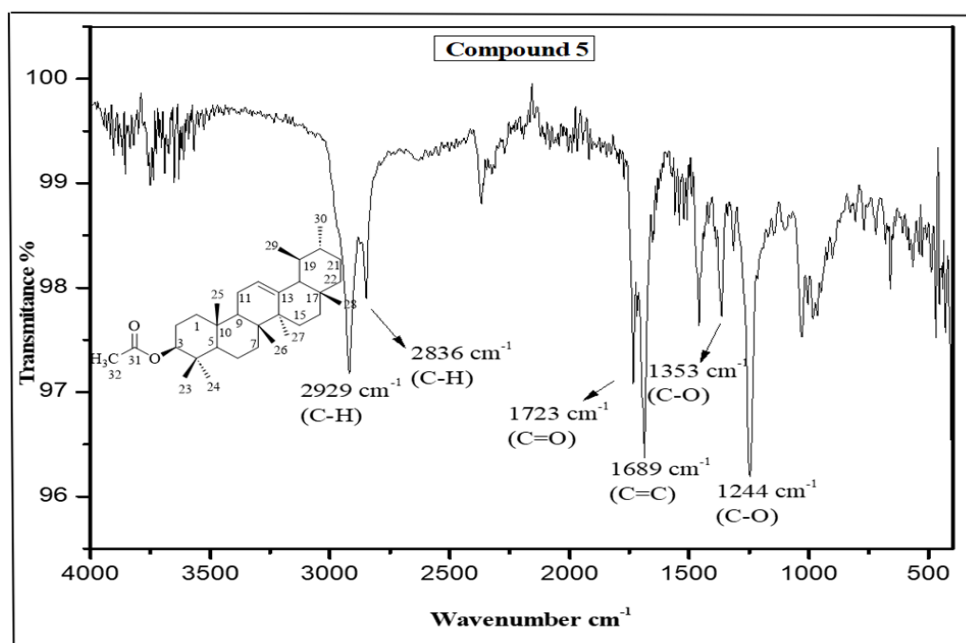


Figure S27: FT-IR spectrum of **5**

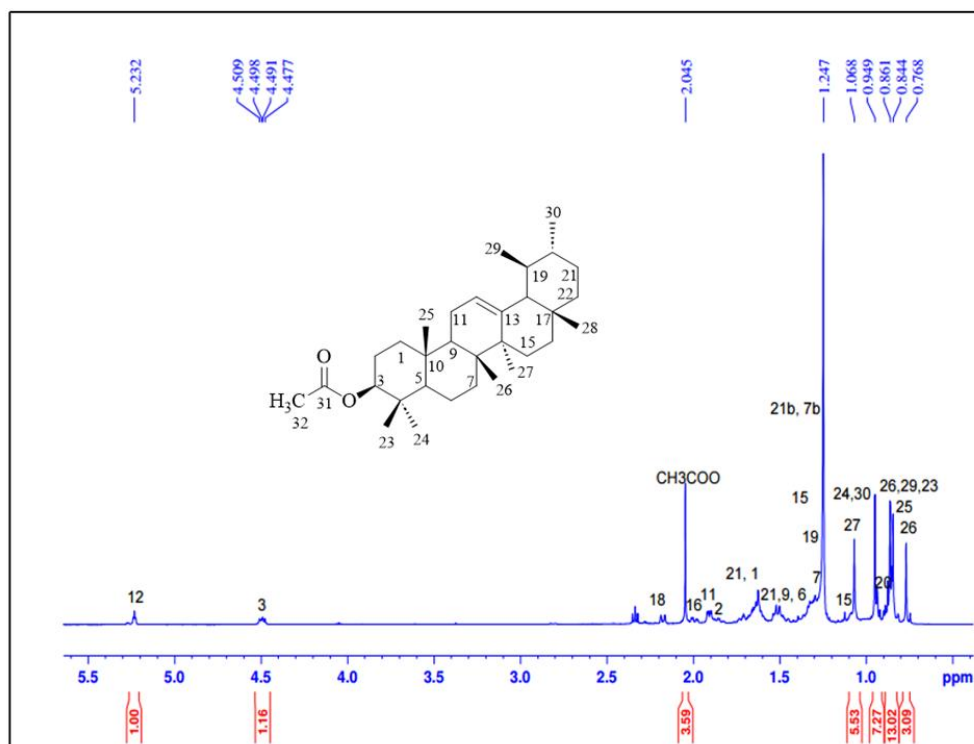


Figure S28: ^1H -NMR spectrum of compound **5**

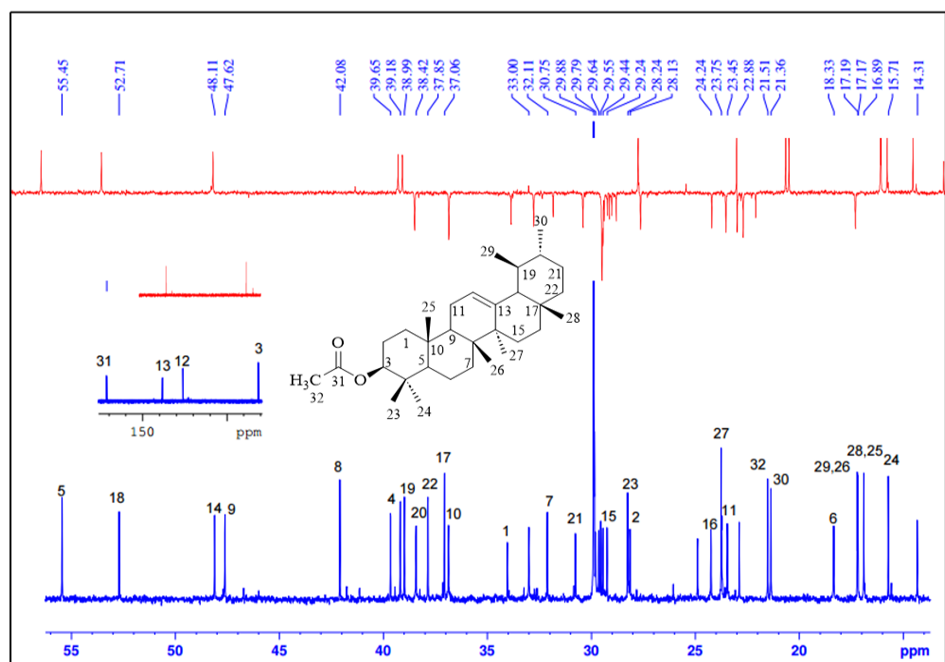


Figure S29: ^{13}C -NMR and DEPT-135 (125 MHz in CDCl_3) spectrum of **5**

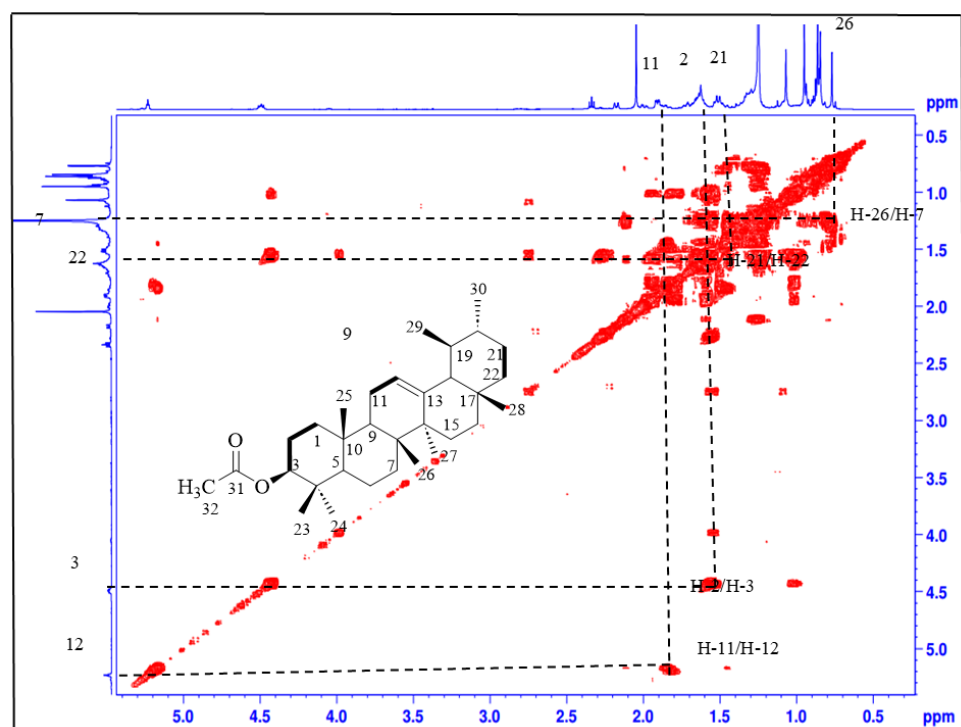


Figure S30: ^1H - ^1H COSY spectrum of **5**

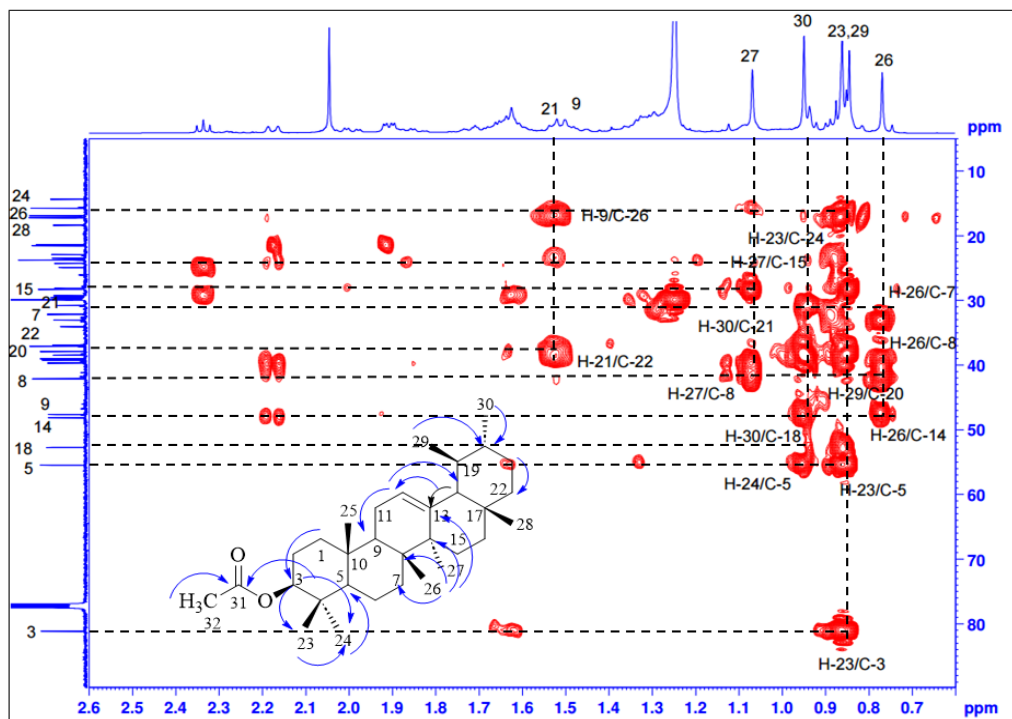


Figure S31: HMBC spectrum of compound **5**

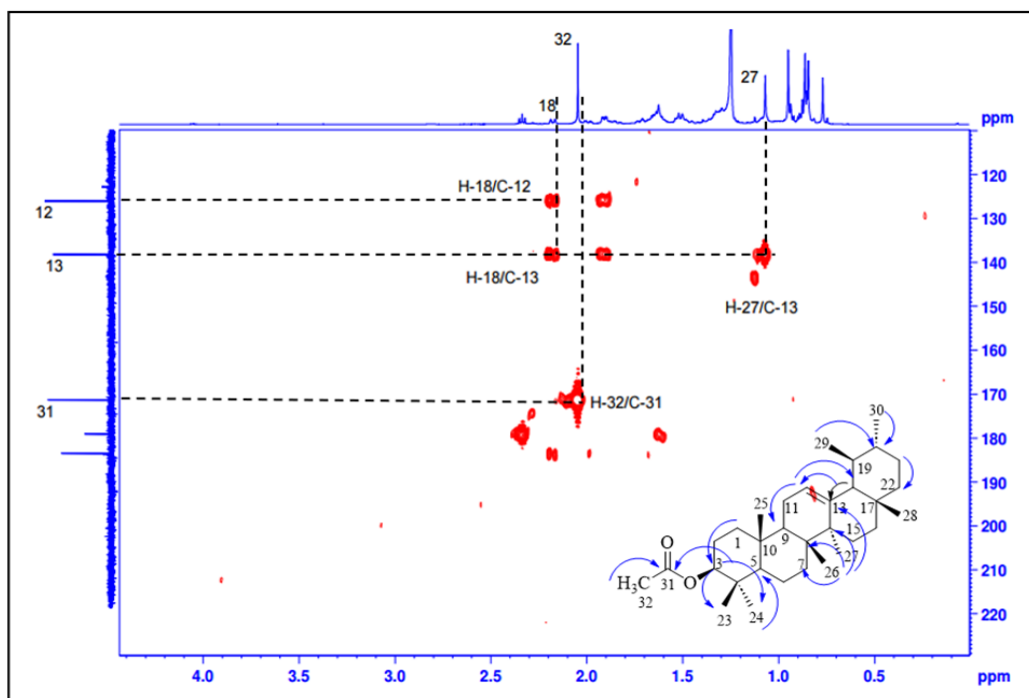


Figure S32: HMBC spectrum of **5**

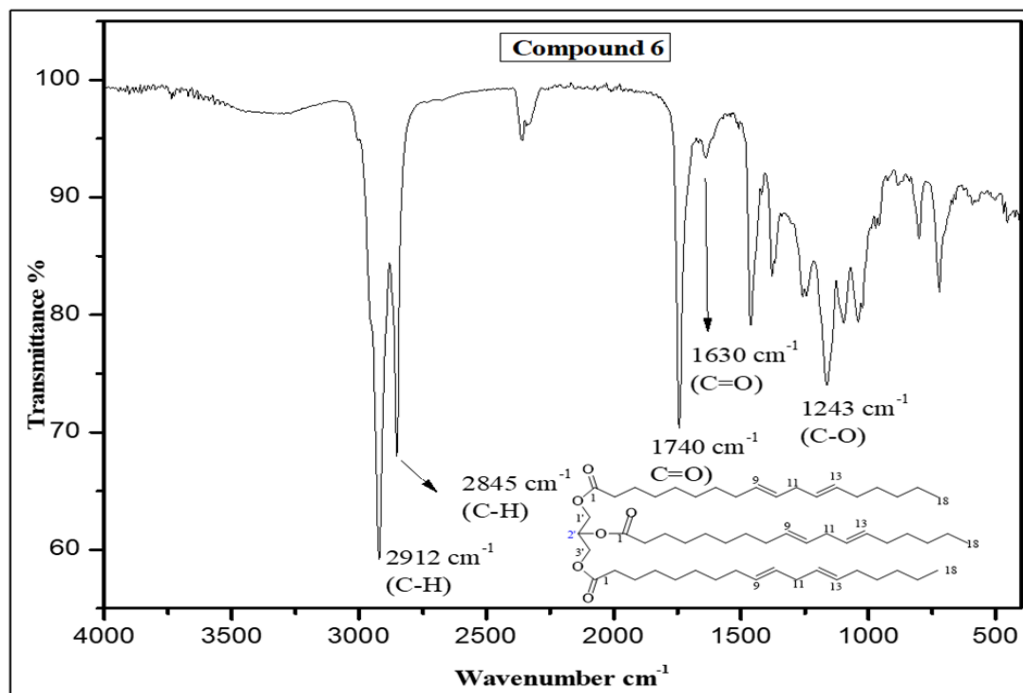


Figure S33: FT-IR spectrum of **6**

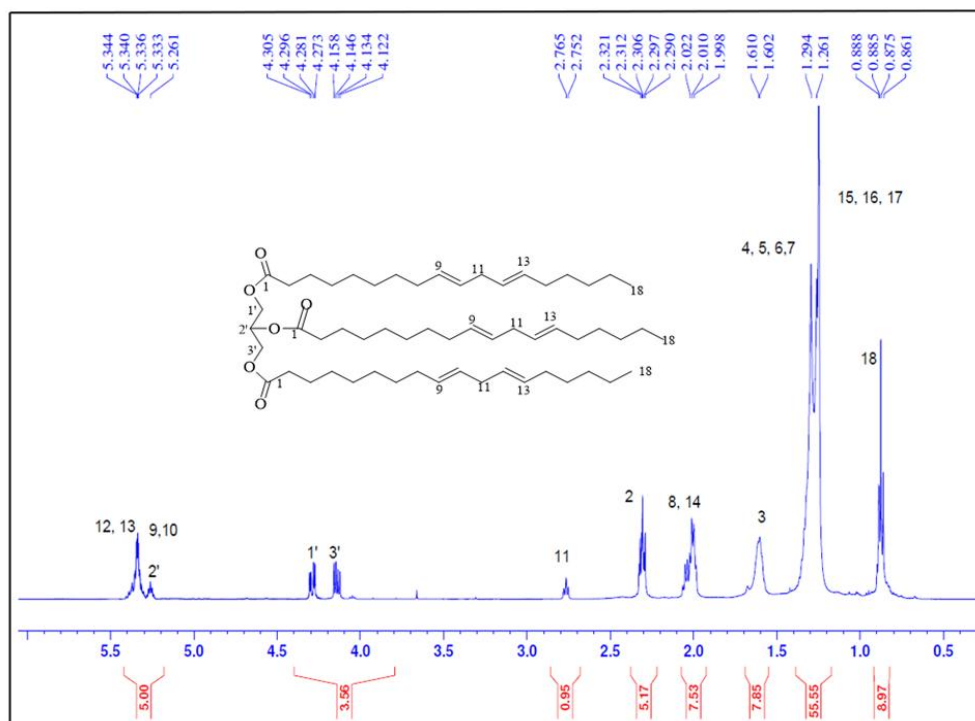


Figure S34: ^1H -NMR spectrum of **6**

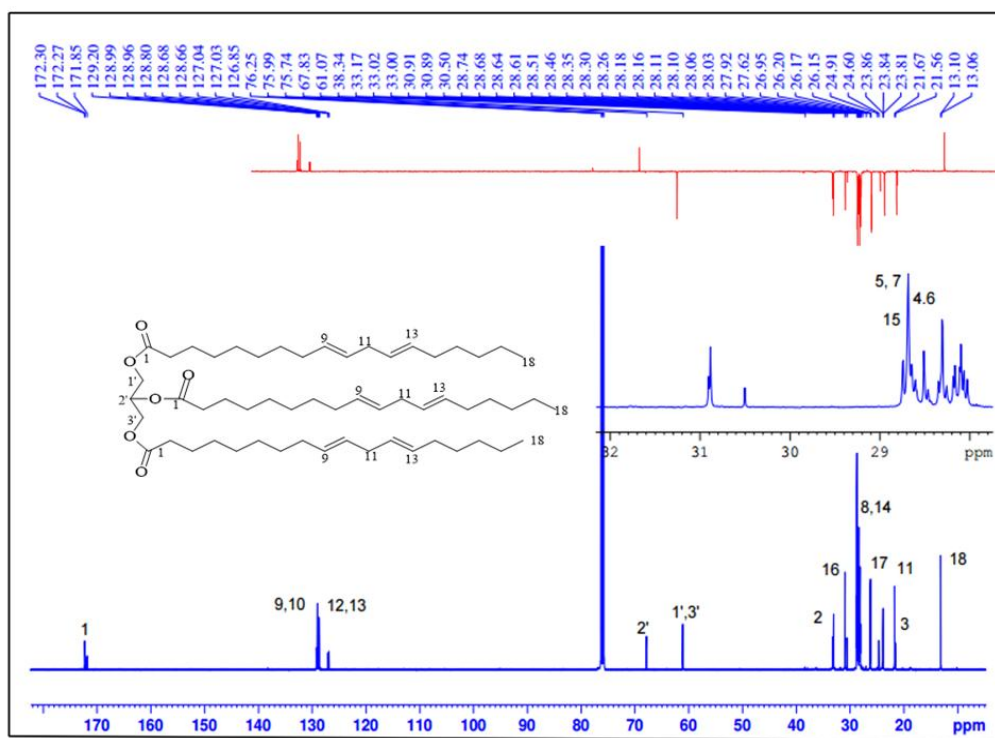


Figure S35: ^{13}C -NMR and DEPT-135 (125 MHz in CDCl_3) spectrum of **6**

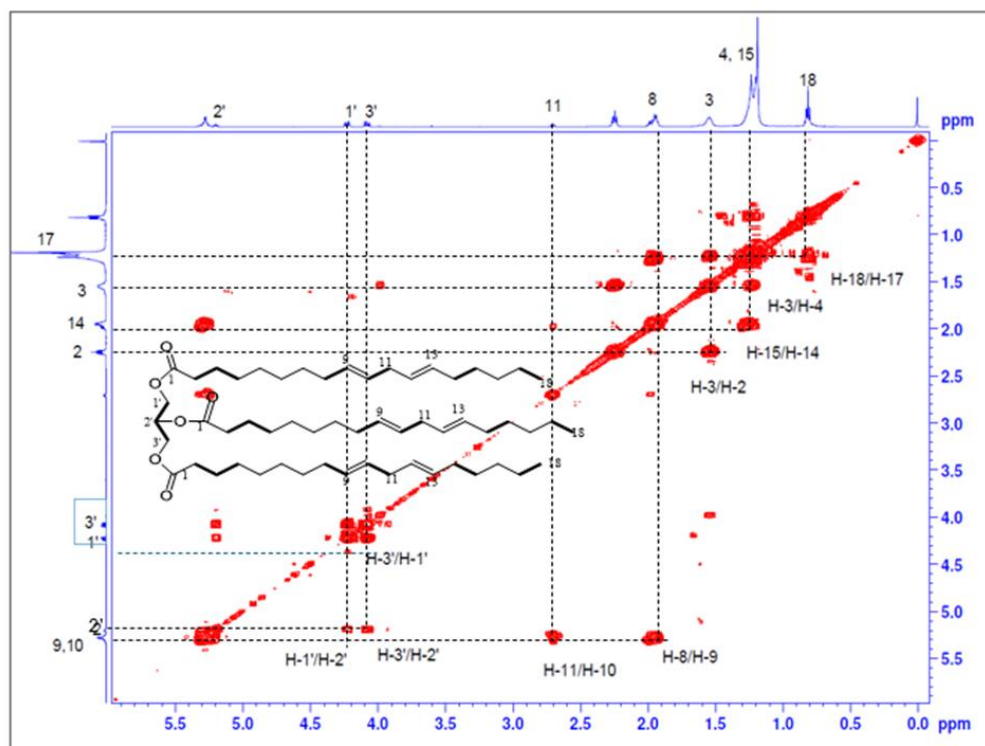


Figure S36: ^1H - ^1H COSY spectrum of **6**

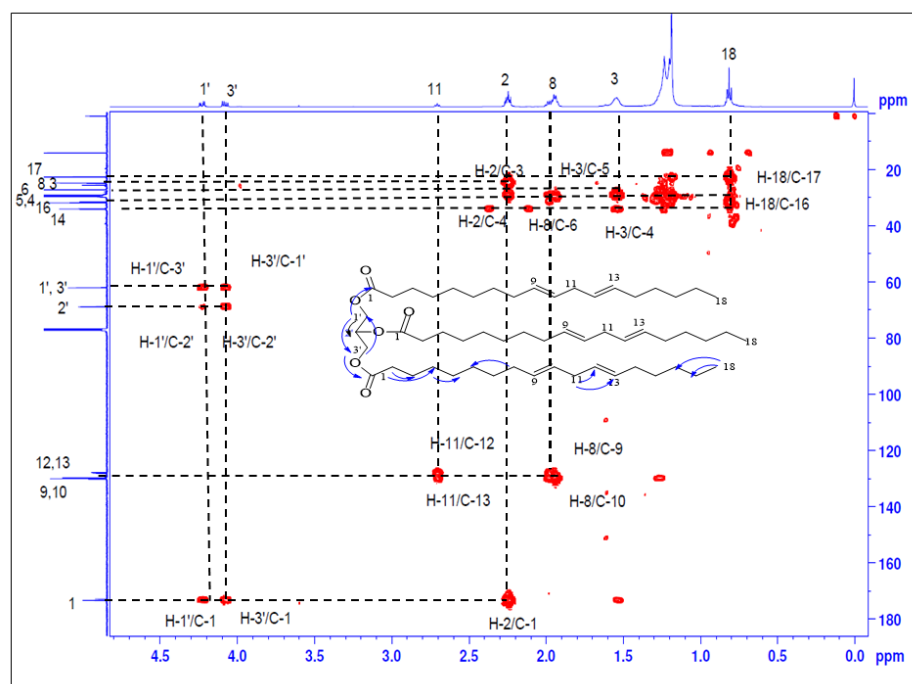


Figure S37: HMBC spectrum of 6

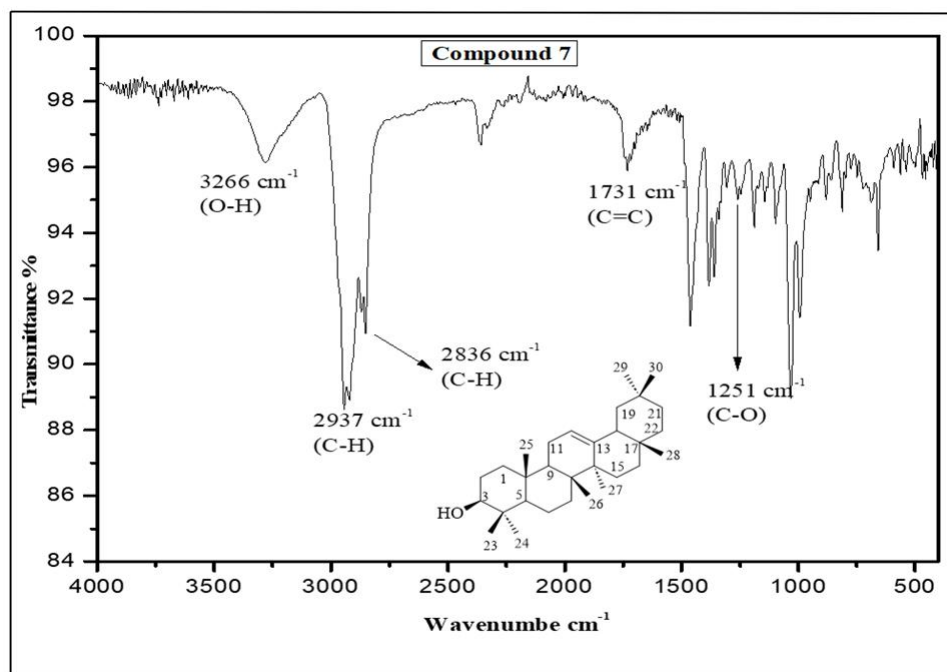


Figure S38: FT-IR spectrum of 7

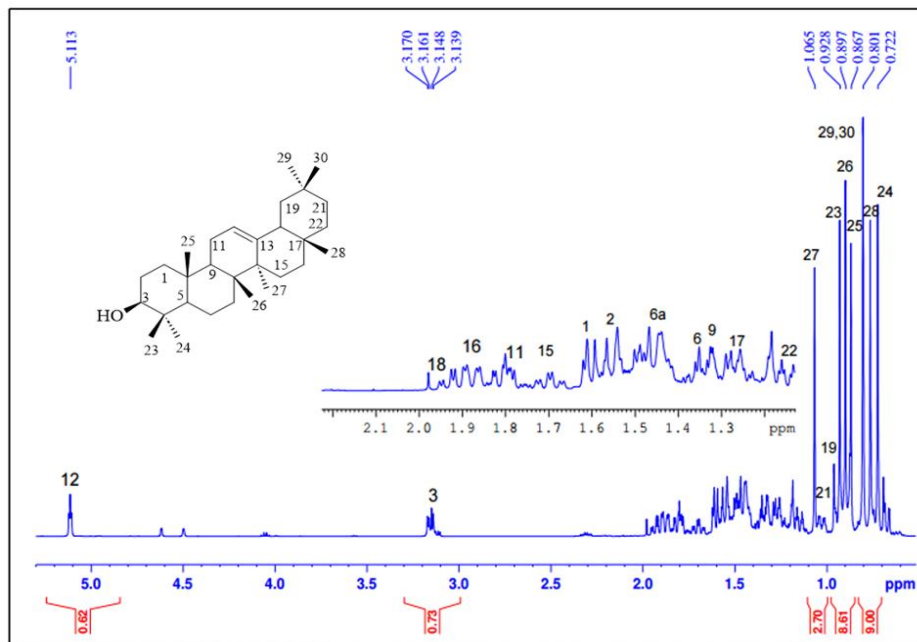


Figure S39: ^1H -NMR (500 MHz in CDCl_3) spectrum of **7**

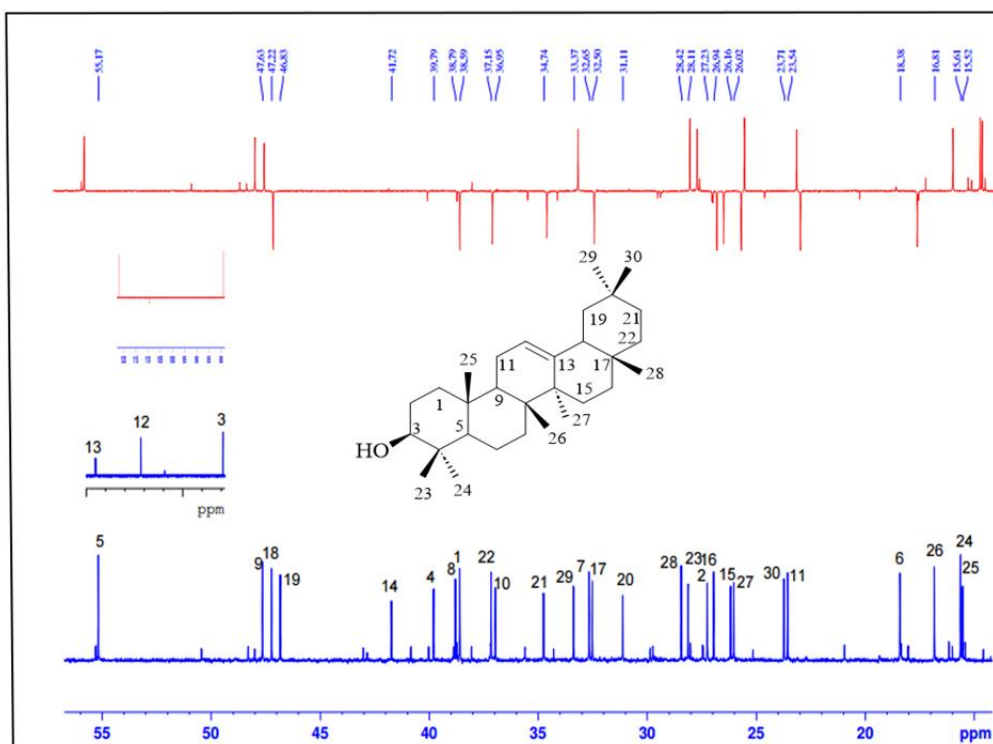


Figure S40: ^{13}C -NMR and DEPT-135 (125 MHz in CDCl_3) spectrum of **7**

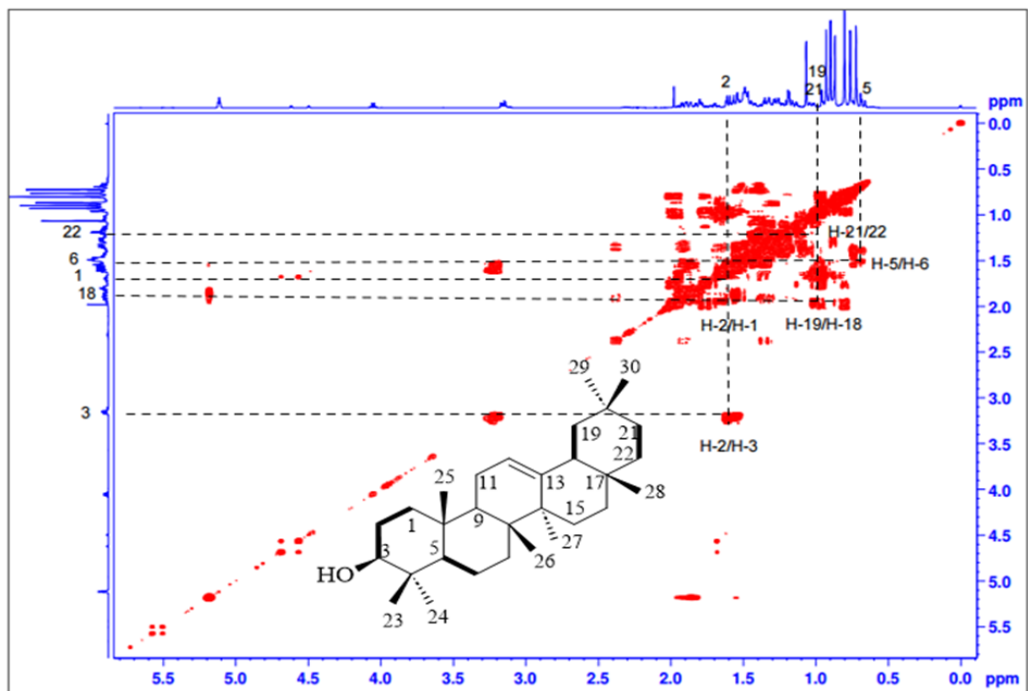


Figure S41: ^1H - ^1H COSY spectrum of **7**

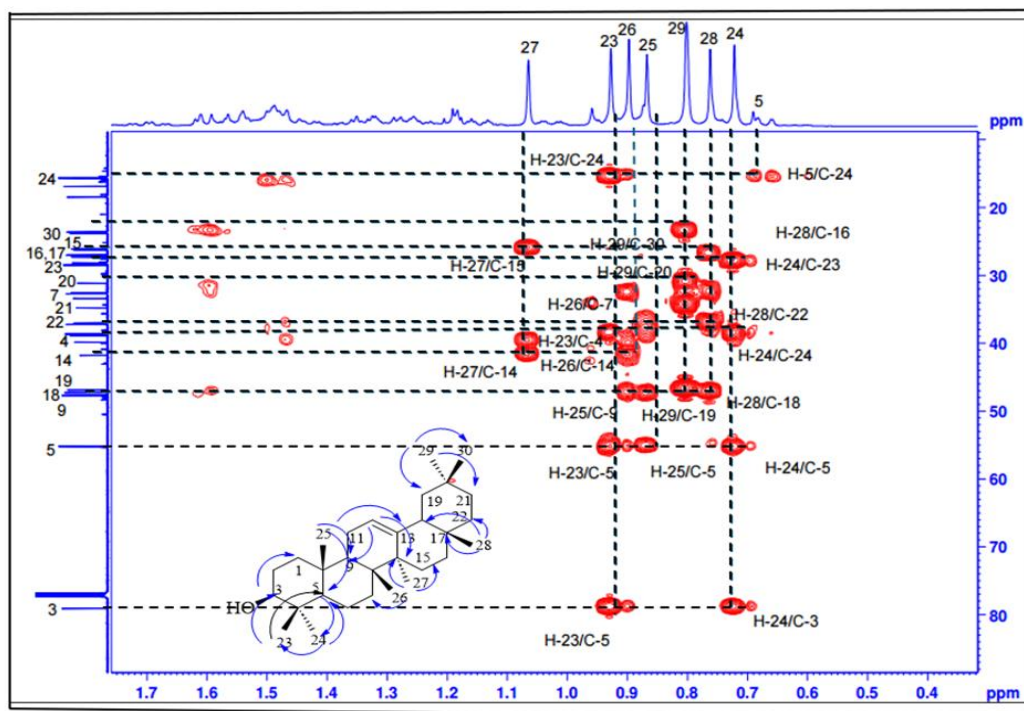


Figure S42: HMBC spectrum of **7**

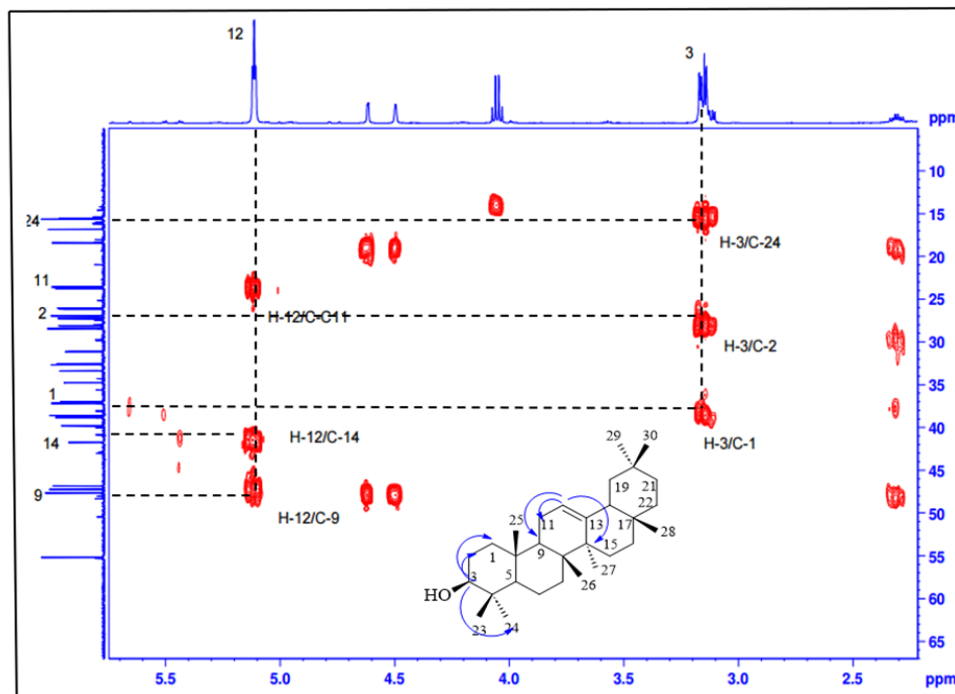


Figure S43: HMBC spectrum of **7** (expanded)

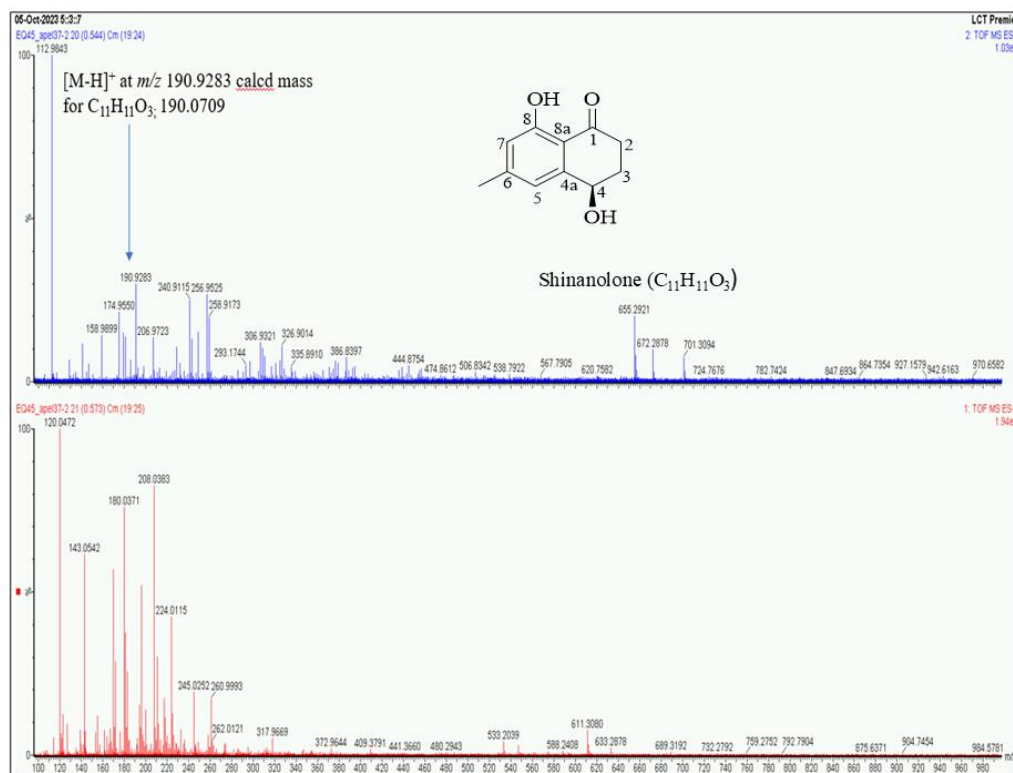


Figure S44: HRMS spectrum of **8**

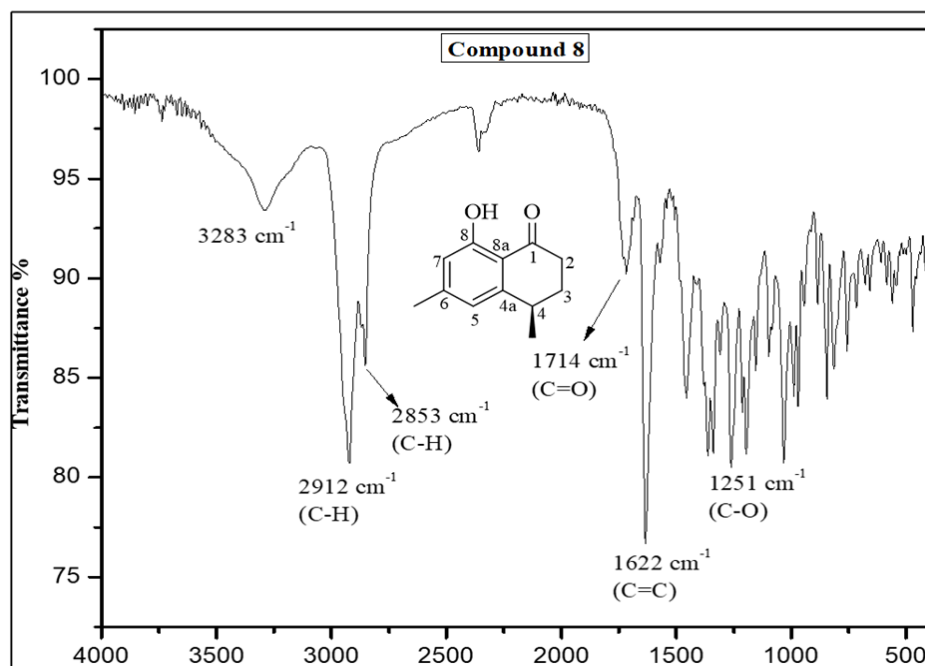


Figure S45: FT-IR spectrum of **8**

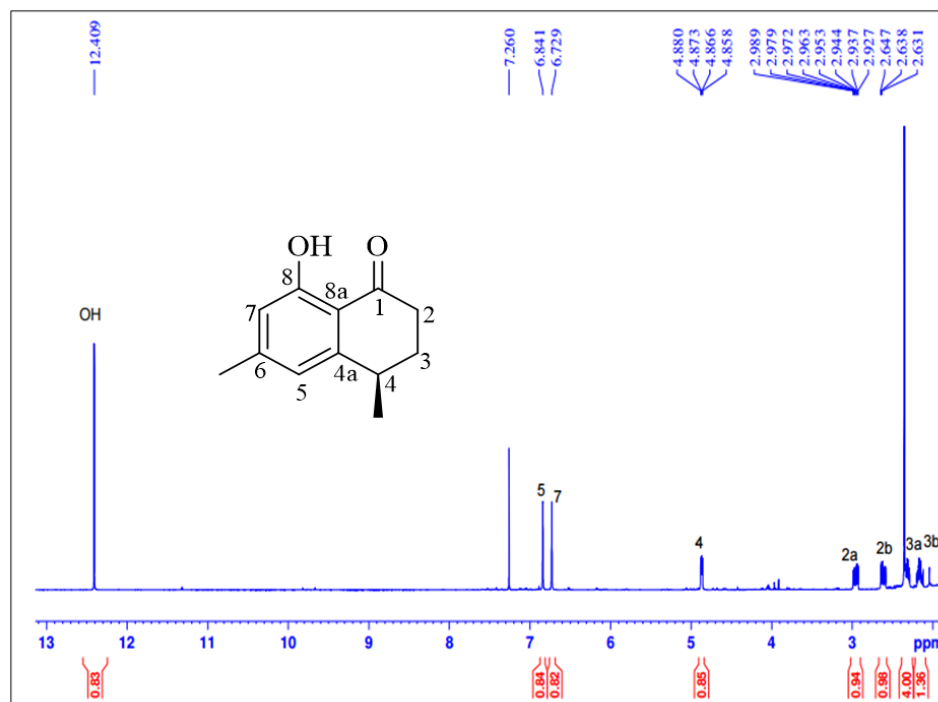


Figure S46: ^1H -NMR (500 MHz in CDCl_3) spectrum of **8**

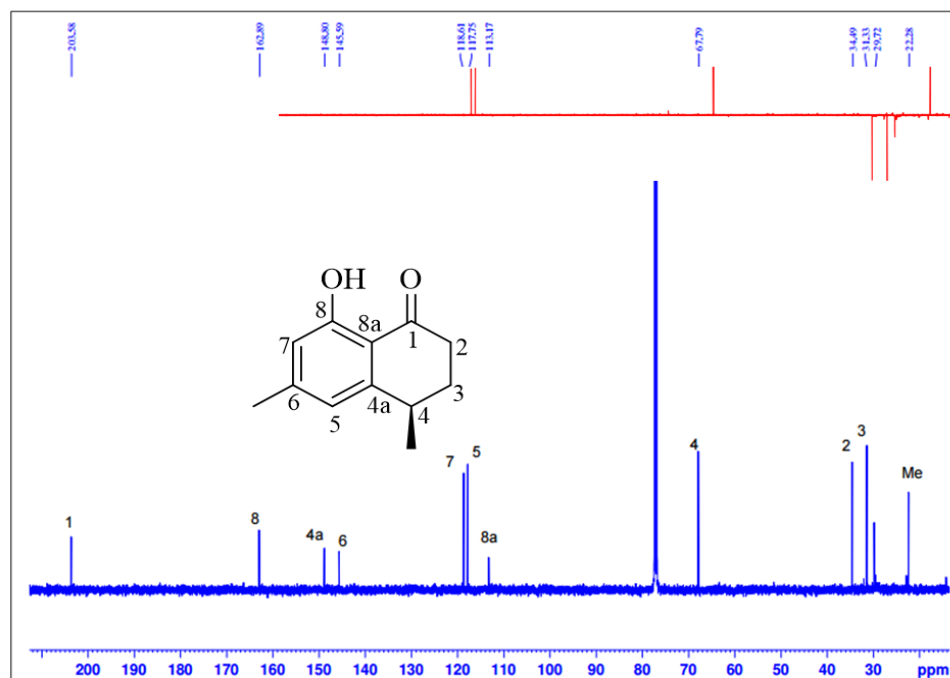


Figure S47: ^{13}C -NMR and DEPT-135 (125 MHz in CDCl_3) spectrum of spectrum of **8**

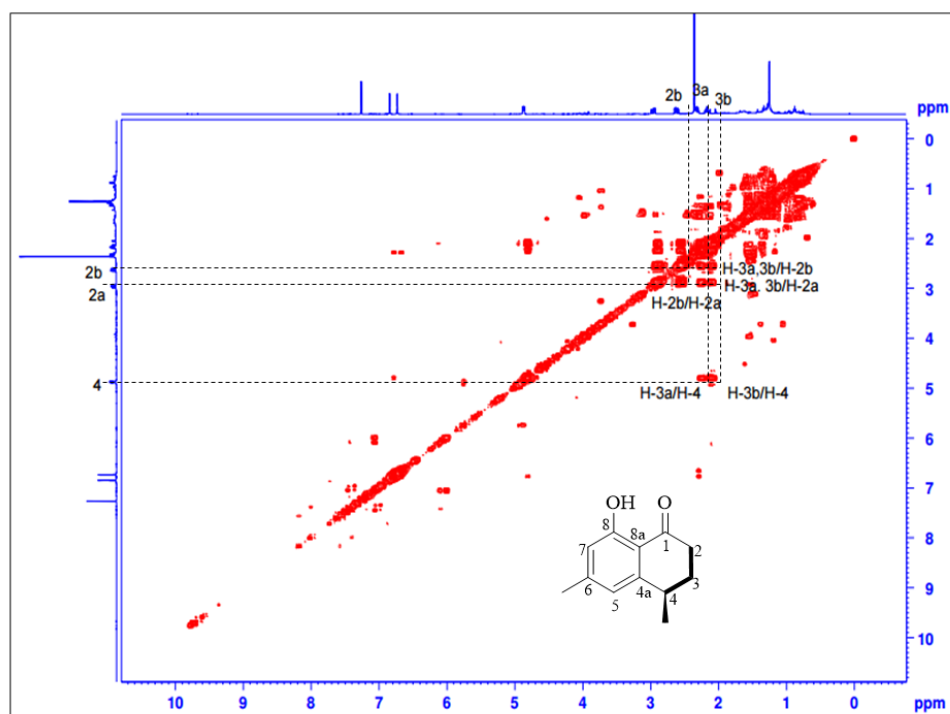


Figure S48: ^1H - ^1H COSY spectrum of **8**

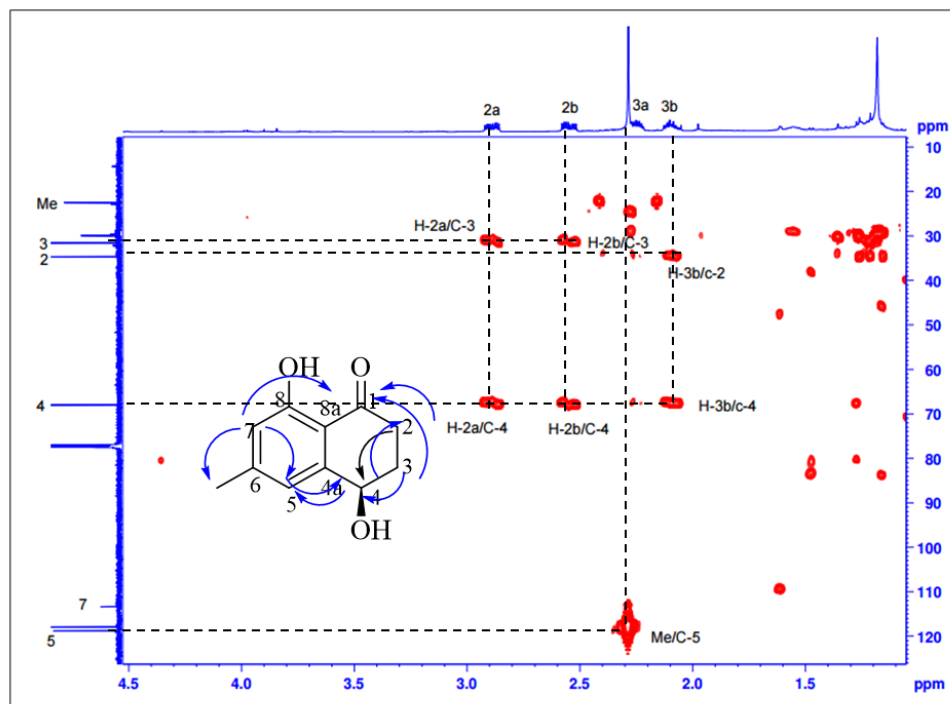


Figure S49: HMBC spectrum of **8**

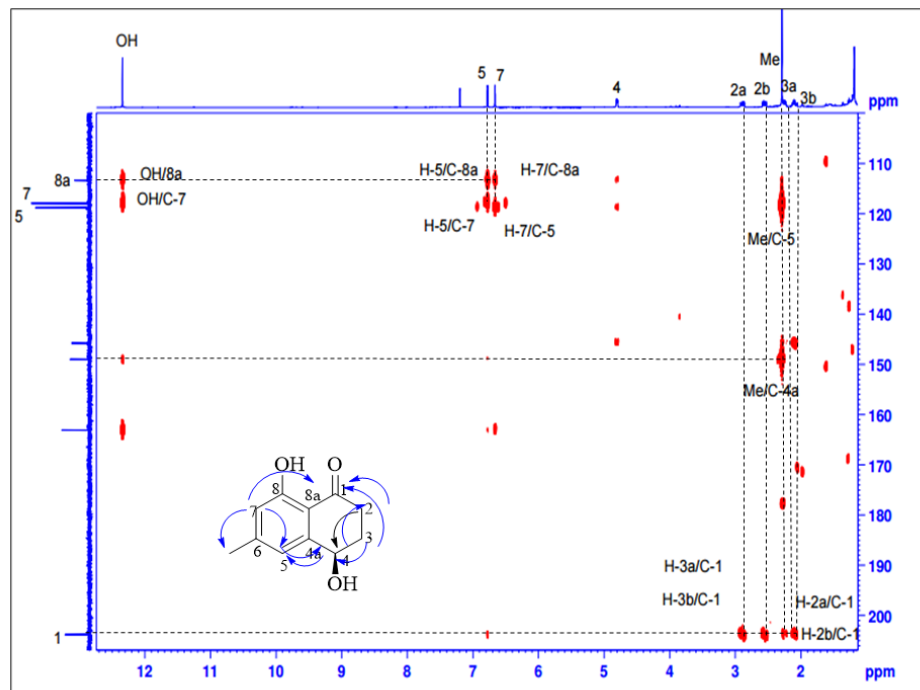


Figure S50: HMBC spectrum of **8** (Expanded)