J. Braz. Chem. Soc., Vol. 21, No. 9, S1-S25, 2010.
Printed in Brazil - ©2010 Sociedade Brasileira de Química
0103 - 5053 $6.00+0.00

Amburosides C-H and 6-*O*-protocatechuoyl Coumarin from *Amburana cearensis*

Kirley M. Canuto,[#] Mary Anne S. Lima and Edilberto R. Silveira*

Departamento de Química Orgânica e Inorgânica, Centro de Ciências, Universidade Federal do Ceará, CP 12200, 60021-970 Fortaleza-CE, Brazil

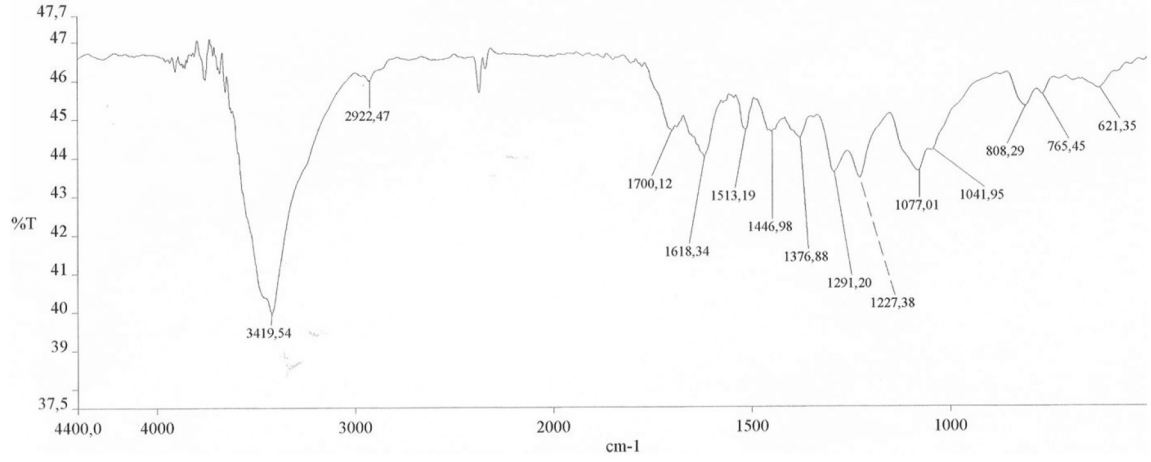

Figure S1. Infrared spectrum of compound **1** (KBr pellets).

*e-mail: edil@ufc.br
[#]Present address: Embrapa Agroindústria Tropical, Rua Dra. Sara Mesquita, 2270, Pici, CP 3761, 60511-110 Fortaleza-CE, Brazil

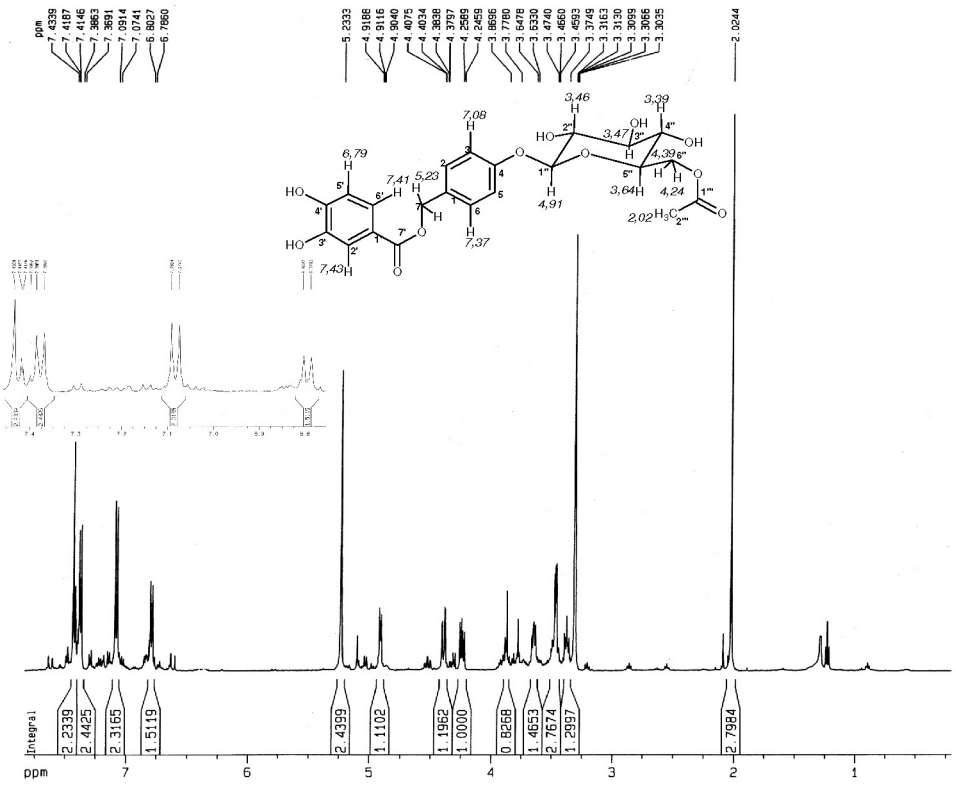

Figure S2. ^{1}H NMR spectrum of **1** (CD_3OD, 500 MHz).

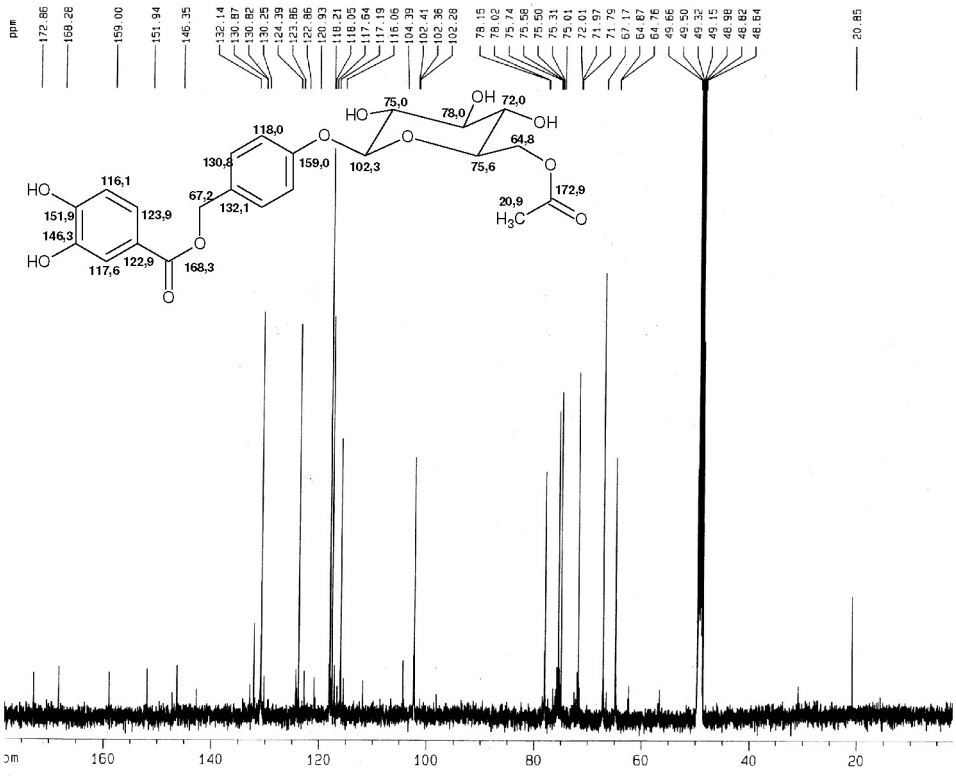

Figure S3. ^{13}C NMR spectrum of **1** (CD_3OD, 125 MHz).

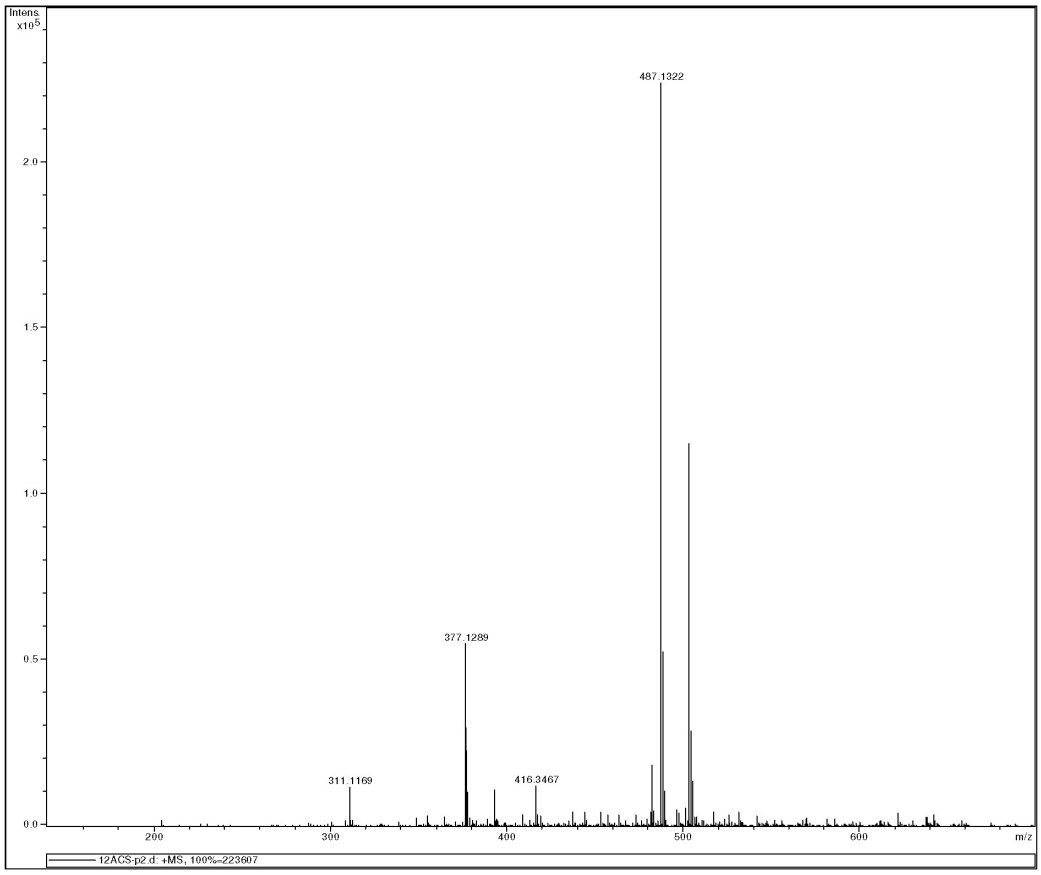

Figure S4. High resolution electrospray ionization mass spectrum of **1**.

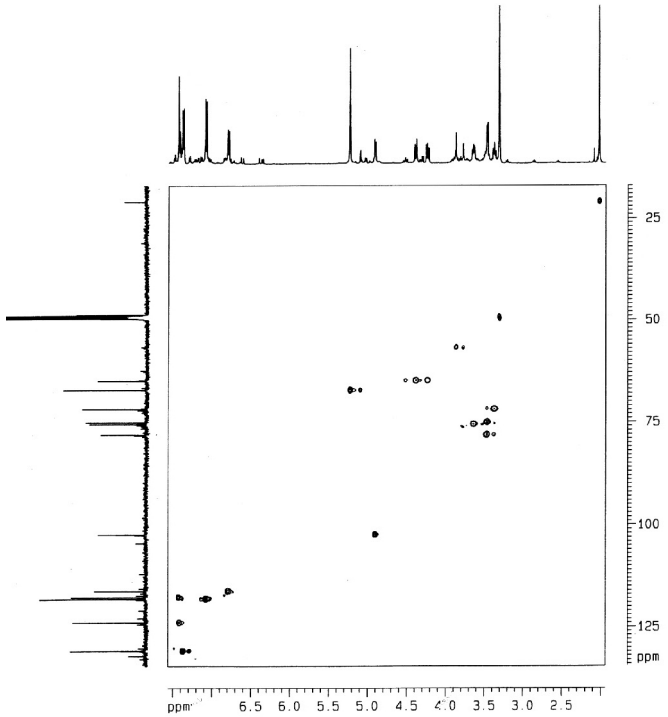

Figure S5. ^{1}H, ^{13}C HSQC-NMR spectrum of **1** (CD_3OD, 500 ×125 MHz).

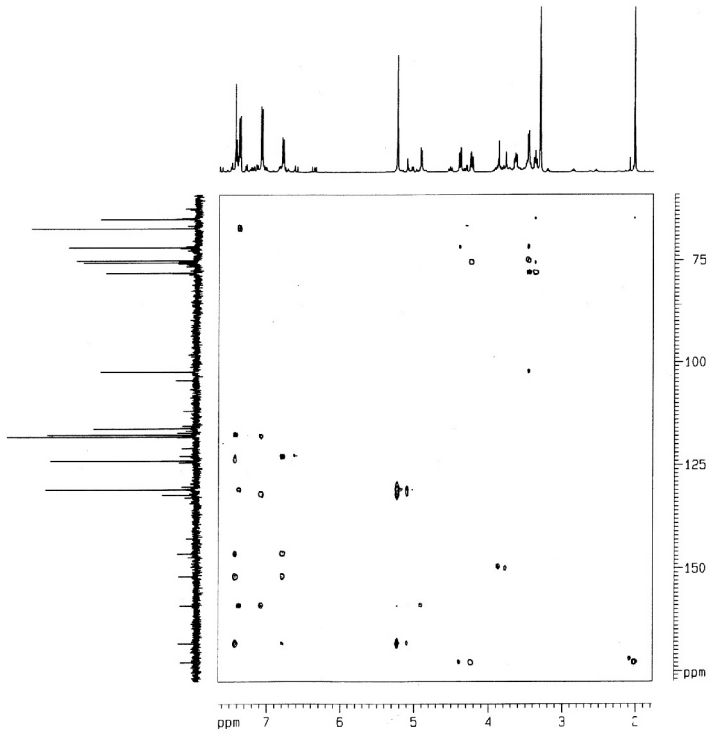

Figure S6. ^{1}H, ^{13}C HMBC-NMR spectrum of **1** (CD_3OD, 500 ×125 MHz).

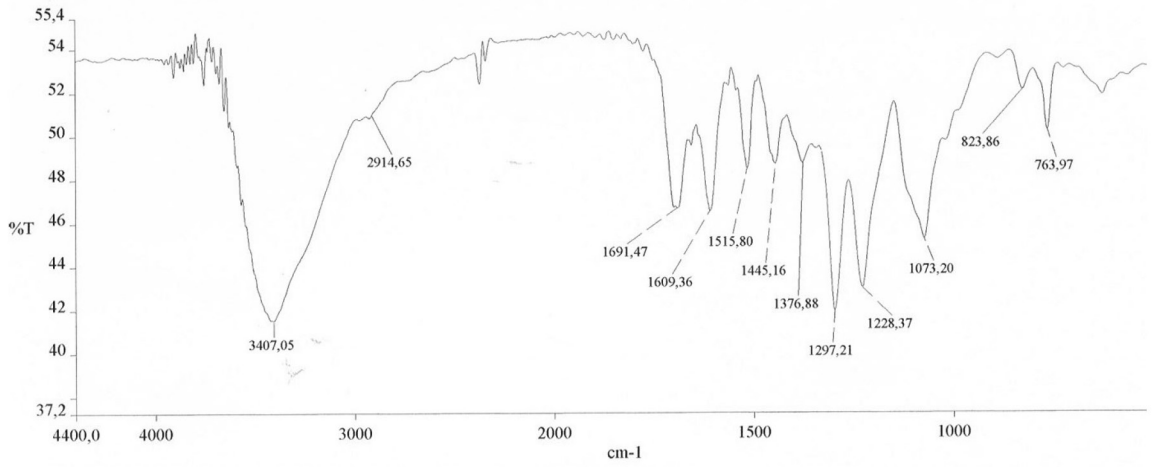

Figure S7. Infrared spectrum of compound **2** (KBr pellets).

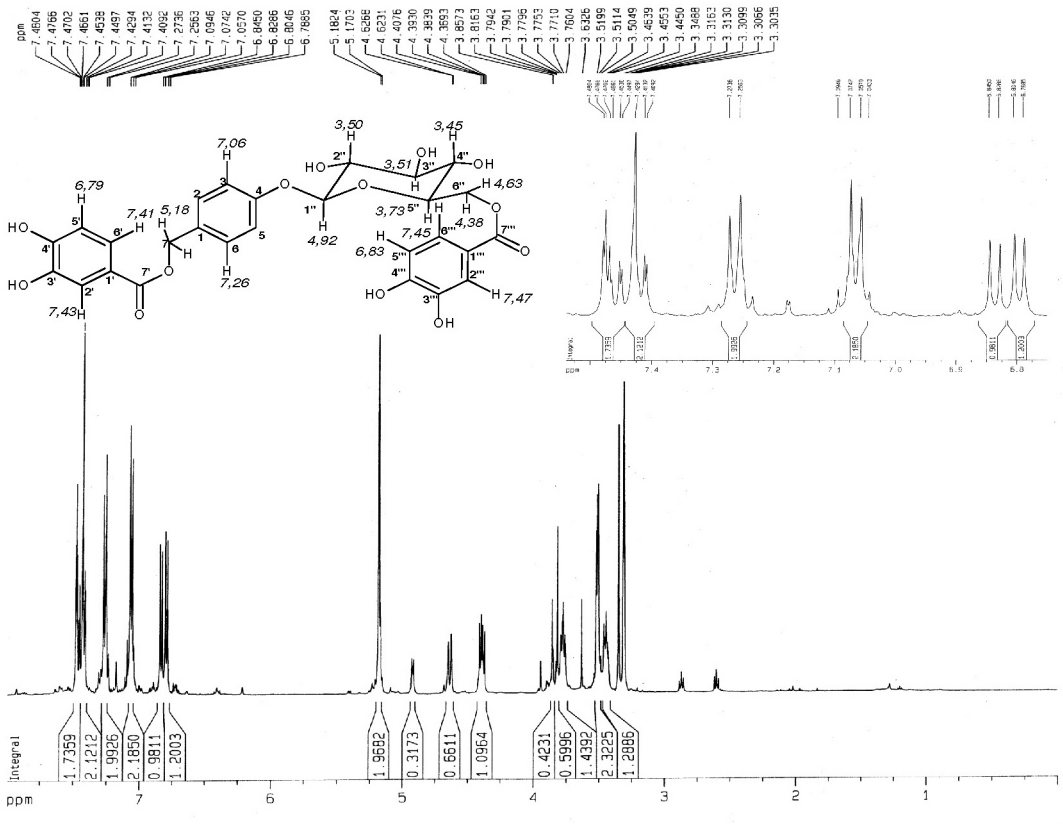

Figure S8. ^{1}H NMR spectrum of **2** (CD_3OD, 500 MHz).

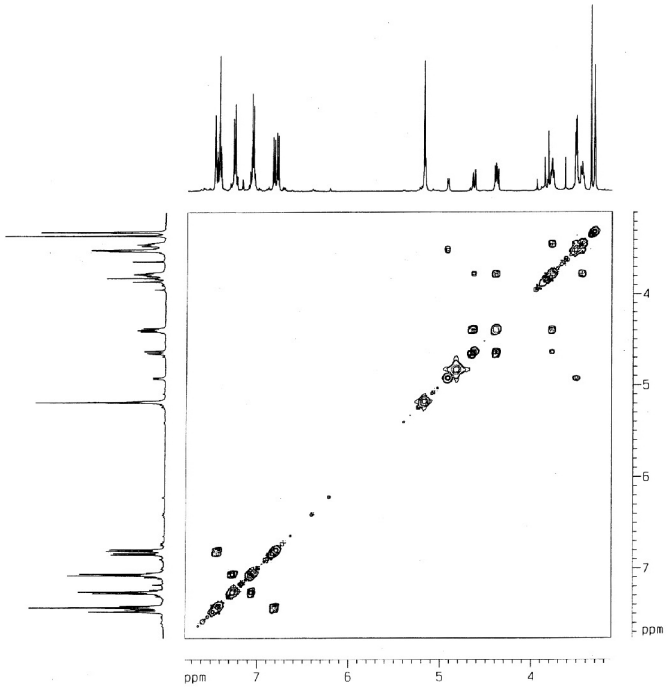

Figure S9. ^{1}H, ^{1}H COSY-NMR spectrum of **2** (CD_3OD, 500 ×500 MHz).

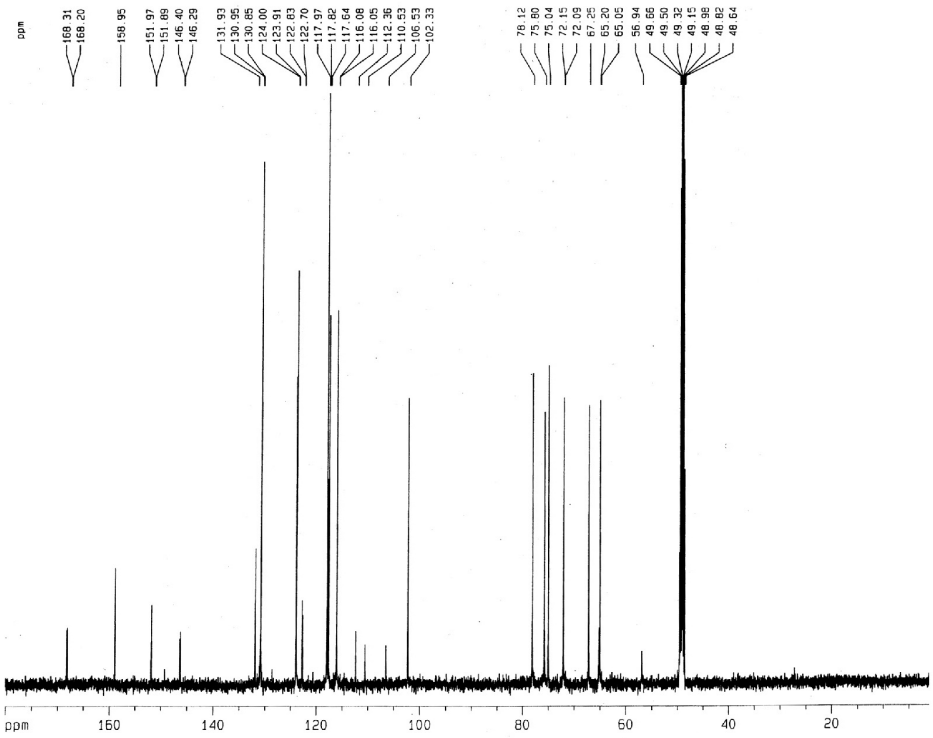

Figure S10. ^{13}C NMR spectrum of **2** (CD_3OD, 125 MHz).

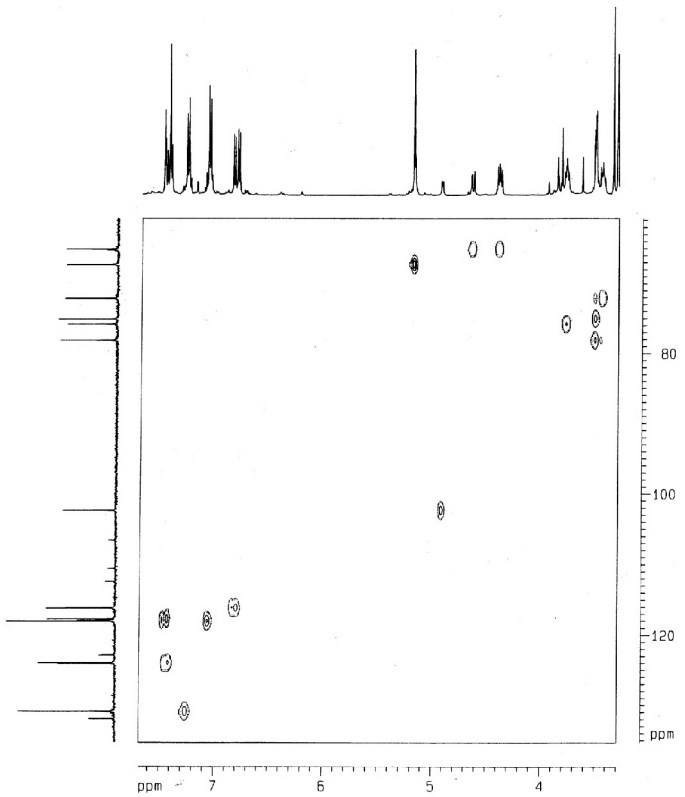

Figure S11. ^{1}H, ^{13}C HSQC-NMR spectrum of **2** (CD_3OD, 500 ×125 MHz).

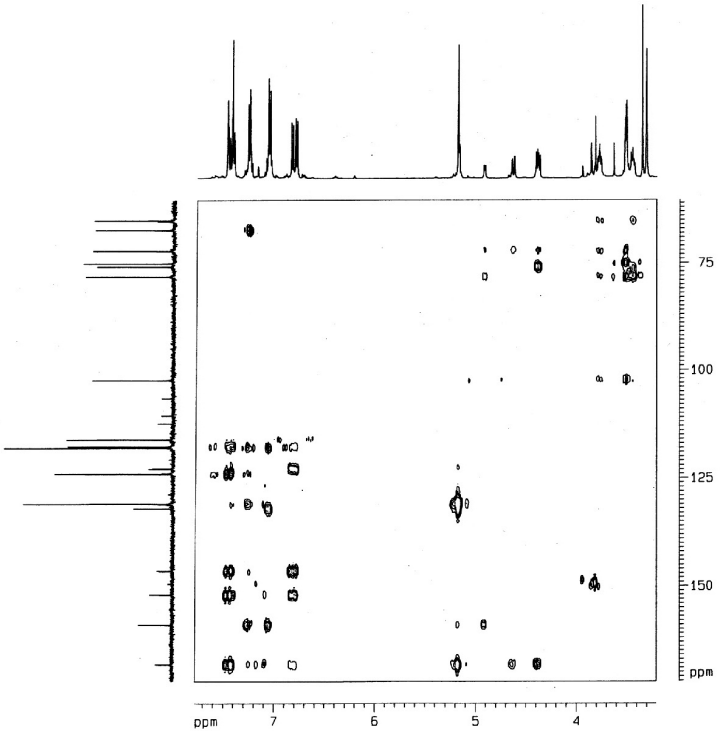

Figure S12. ^{1}H, ^{13}C HMBC-NMR spectrum of **2** (CD_3OD, 500 ×125 MHz).

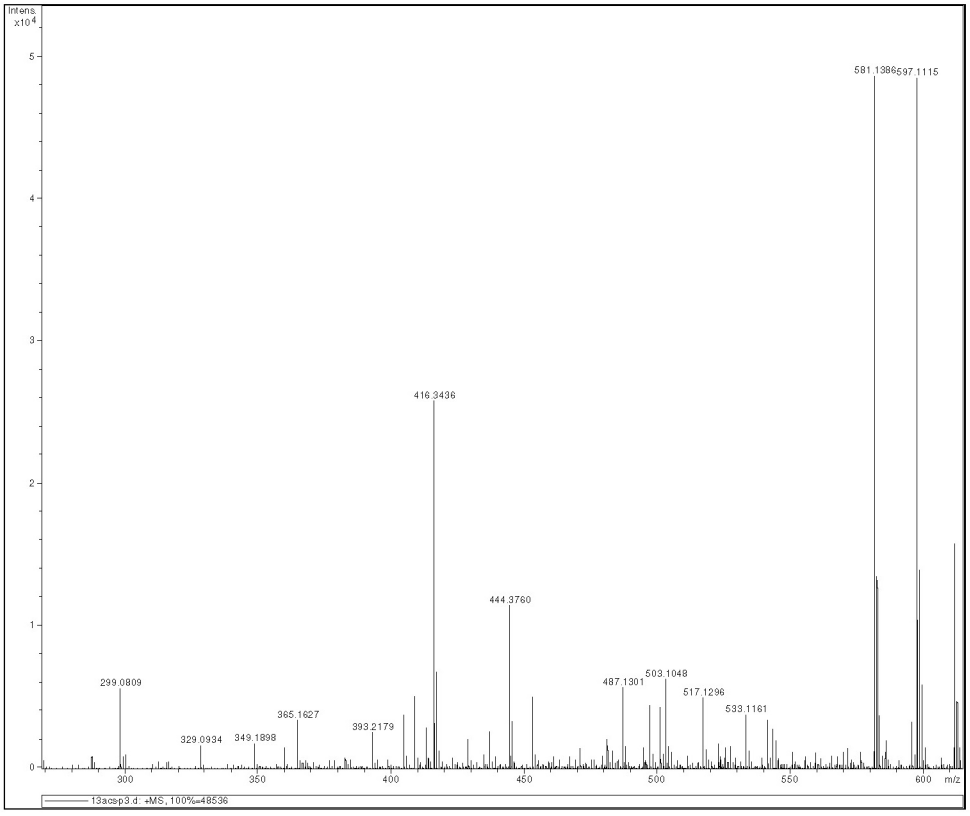

Figure S13. High resolution electrospray ionization mass spectrum of **2**.

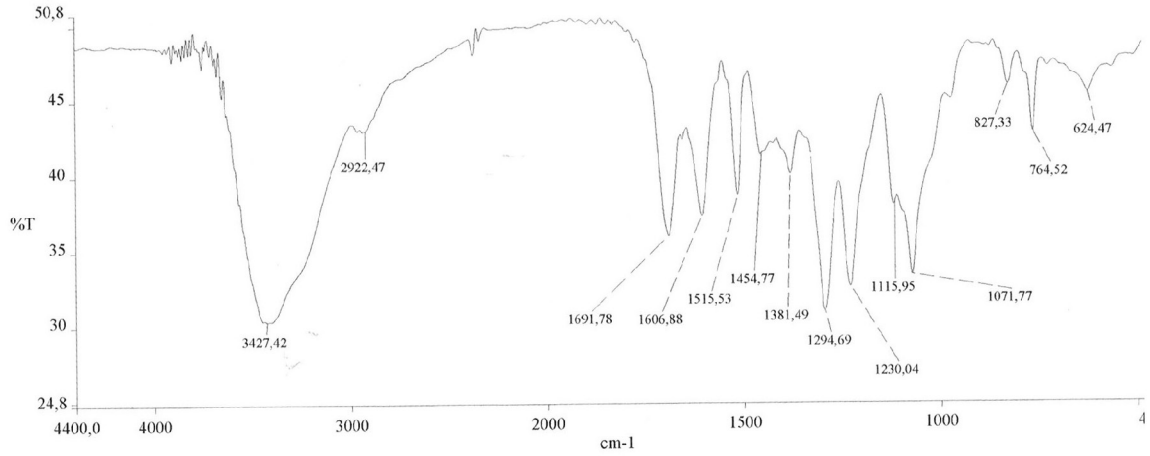

Figure S14. Infrared spectrum of compound **3** (KBr pellets).

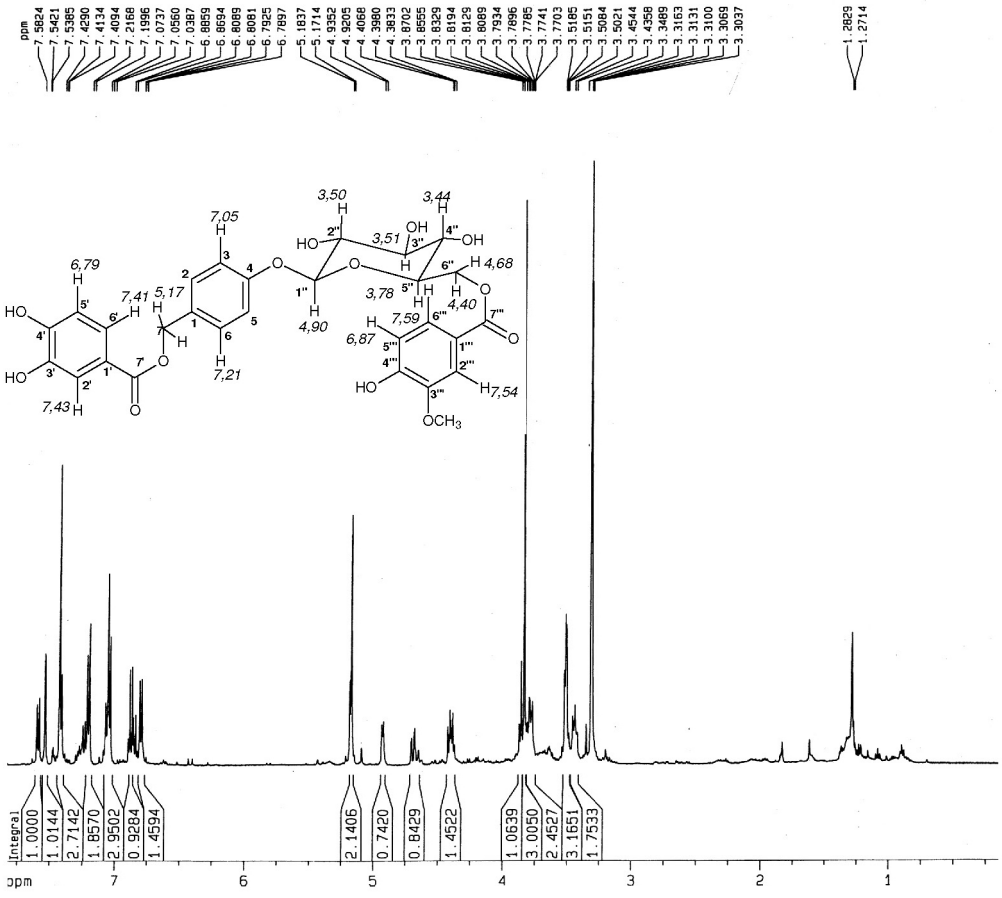

Figure S15. ^{1}H NMR spectrum of **3** (CD_3OD, 500 MHz).

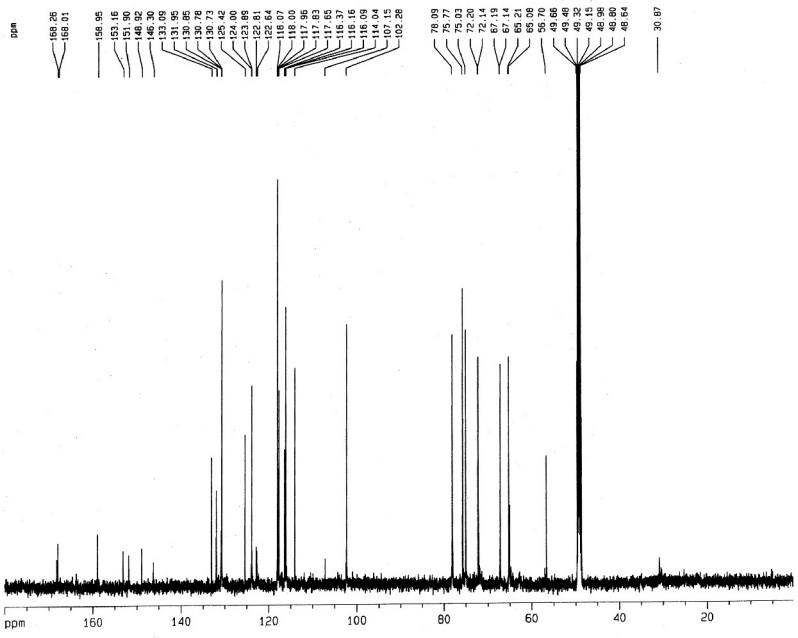

Figure S16. ^{13}C NMR spectrum of **3** (CD_3OD, 125 MHz).

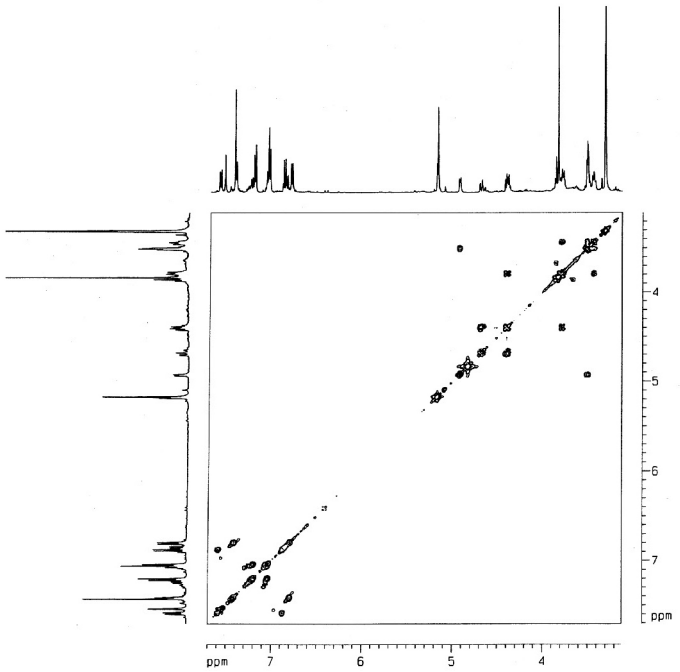

Figure S17. ^{1}H, ^{1}H COSY-NMR spectrum of **3** (CD_3OD, 500 ×500 MHz).

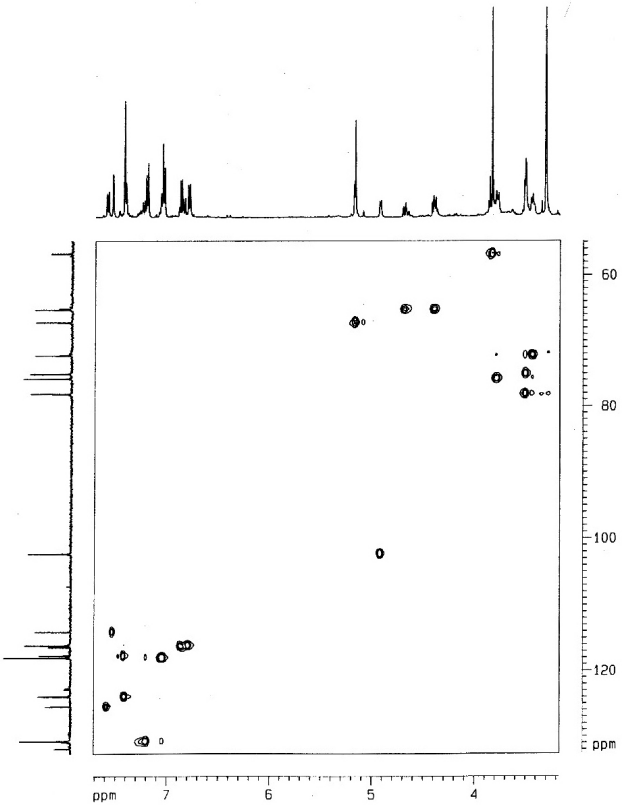

Figure S18. ^{1}H, ^{13}C HSQC-NMR spectrum of **3** (CD_3OD, 500 ×125 MHz).

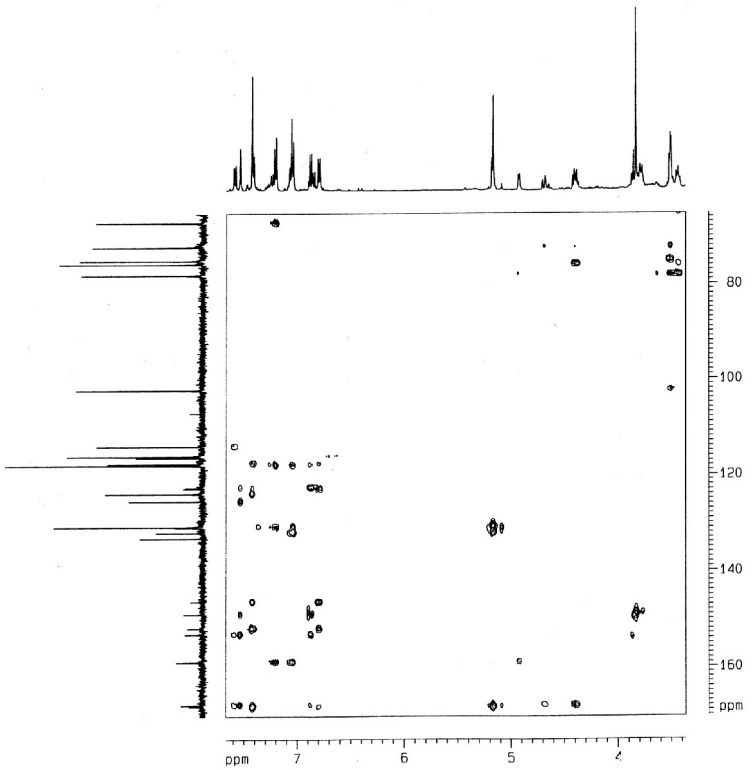

Figure S19. ^{1}H, ^{13}C HMBC-NMR spectrum of **3** (CD_3OD, 500 ×125 MHz).

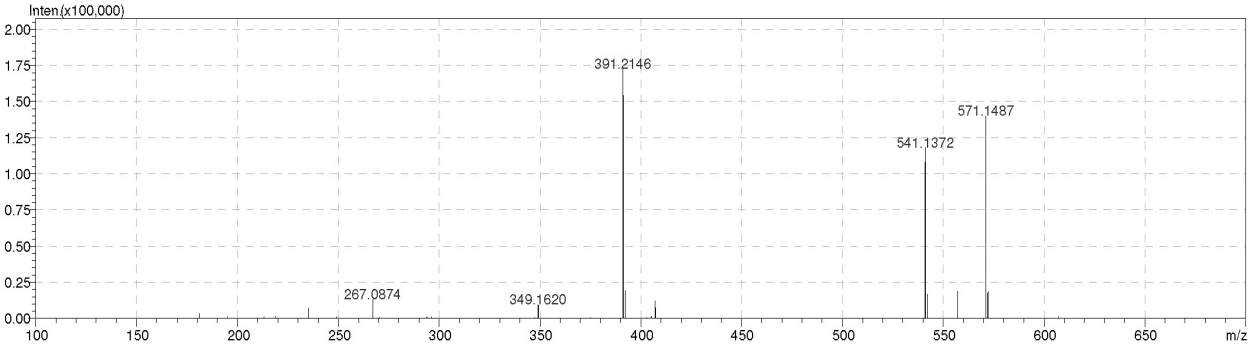

Figure S20. High resolution electrospray ionization mass spectrum of **3**.

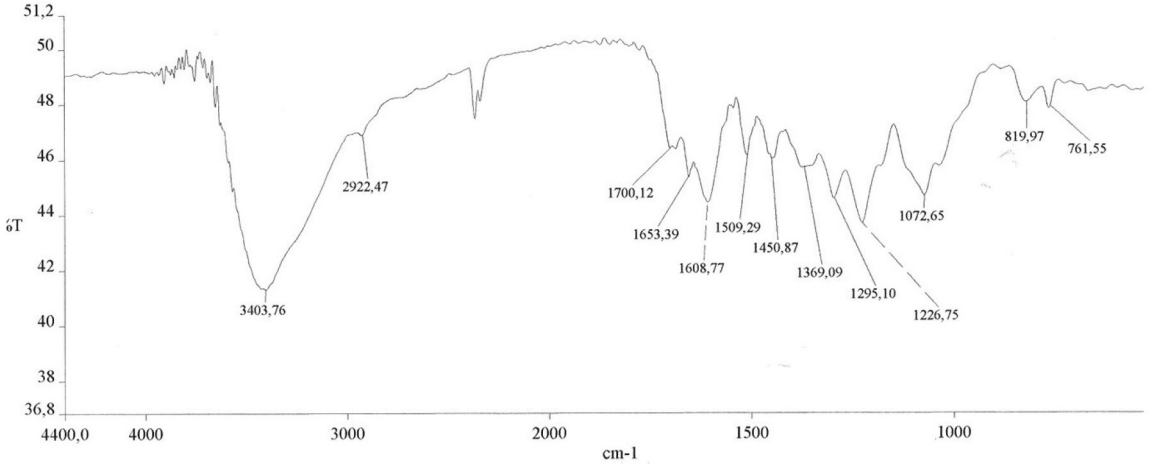

Figure S21. Infrared spectrum of compound **4** (KBr pellets).

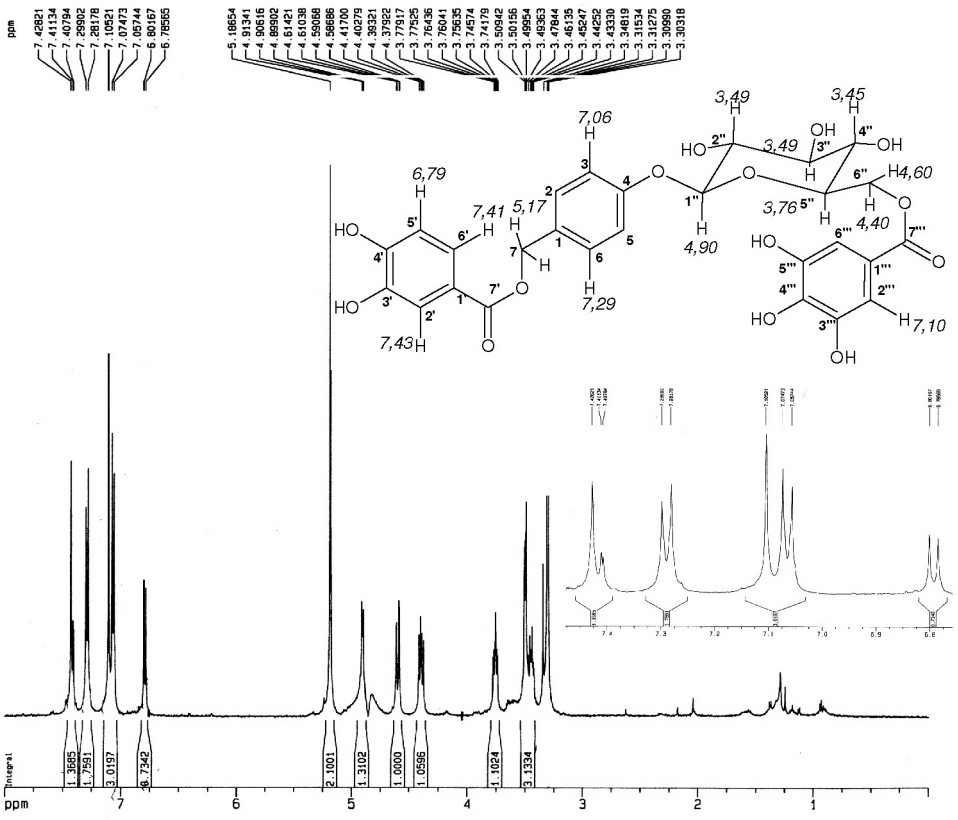

Figure S22. ^{1}H NMR spectrum of **4** (CD_3OD, 500 MHz).

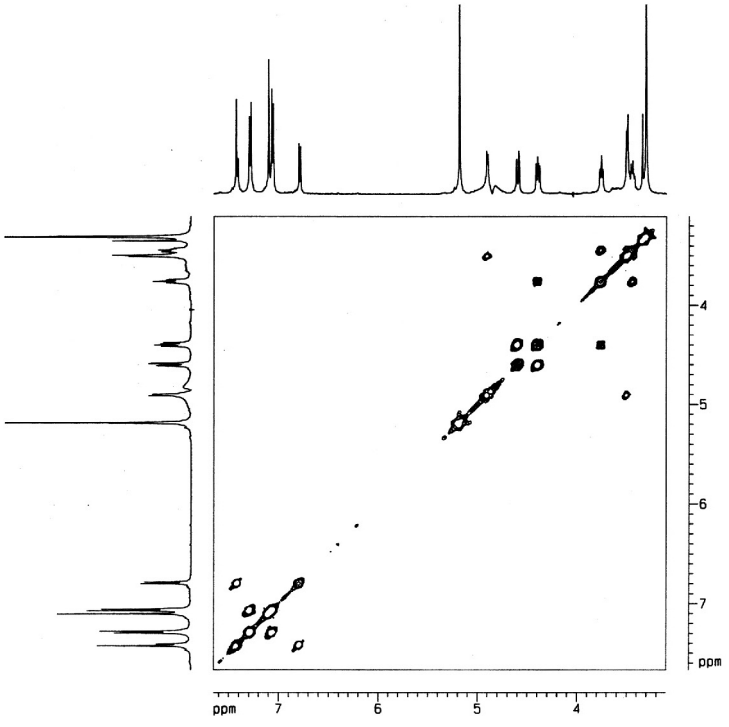

Figure S23. ^{1}H, ^{1}H COSY-NMR spectrum of **4** (CD_3OD, 500 ×500 MHz).

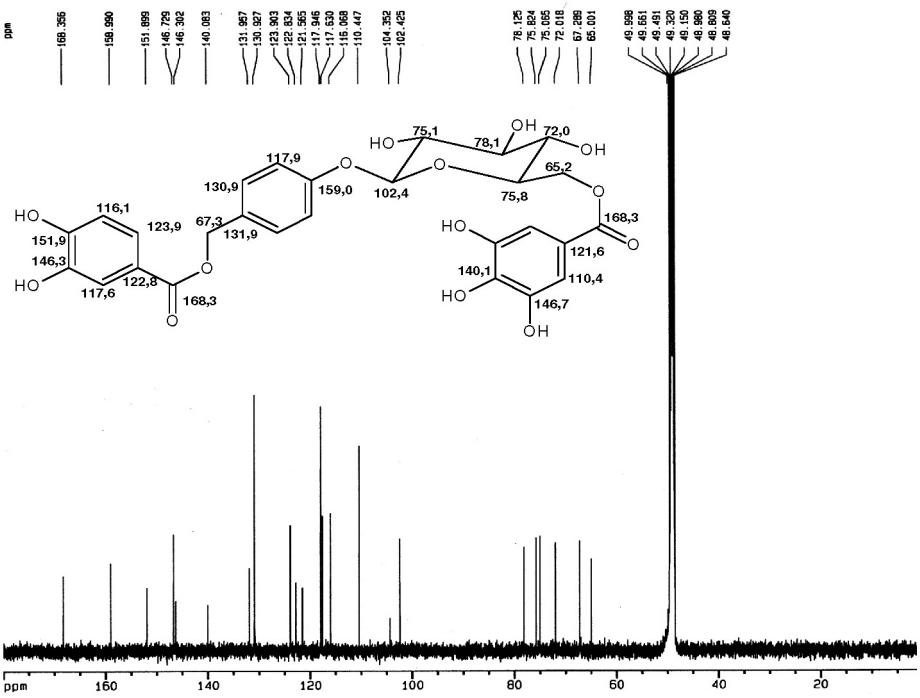

Figure S24. ^{13}C NMR spectrum of **4** (CD_3OD, 125 MHz).

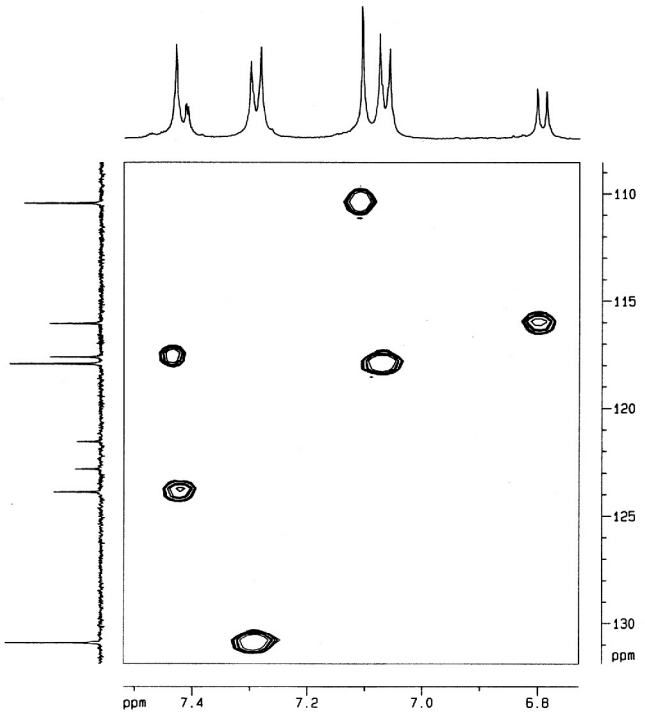

Figure S25. ^{1}H, ^{13}C HSQC-NMR spectrum of **4** (CD_3OD, 500 × 125 MHz).

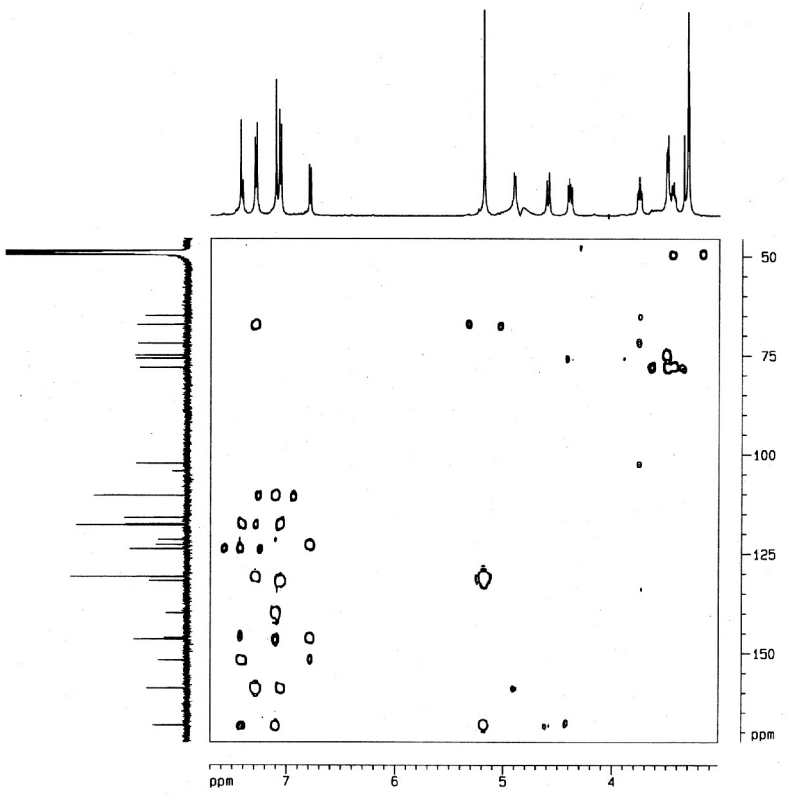

Figure S26. ^{1}H, ^{13}C HMBC-NMR spectrum of **4** (CD_3OD, 500 × 125 MHz).

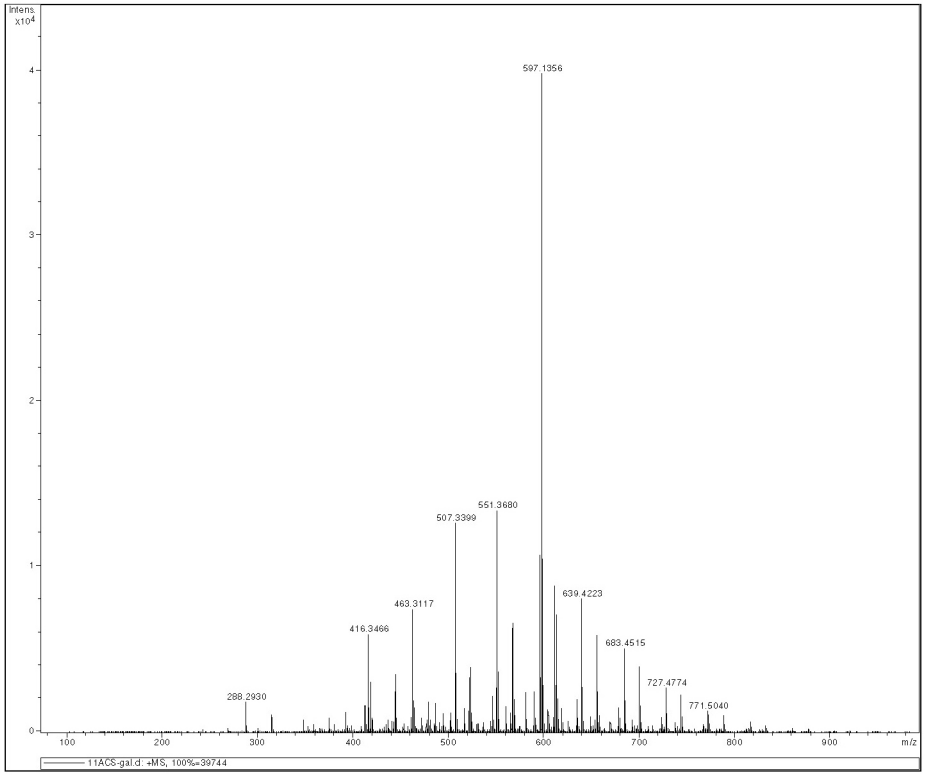

Figure S27. High resolution electrospray ionization mass spectrum of **4**.

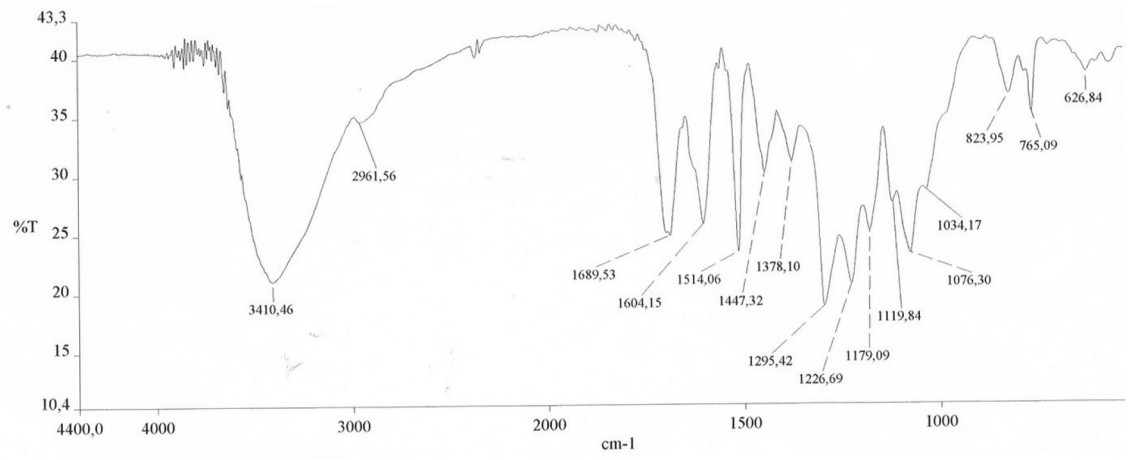

Figure S28. Infrared spectrum of compound **5** (KBr pellets).

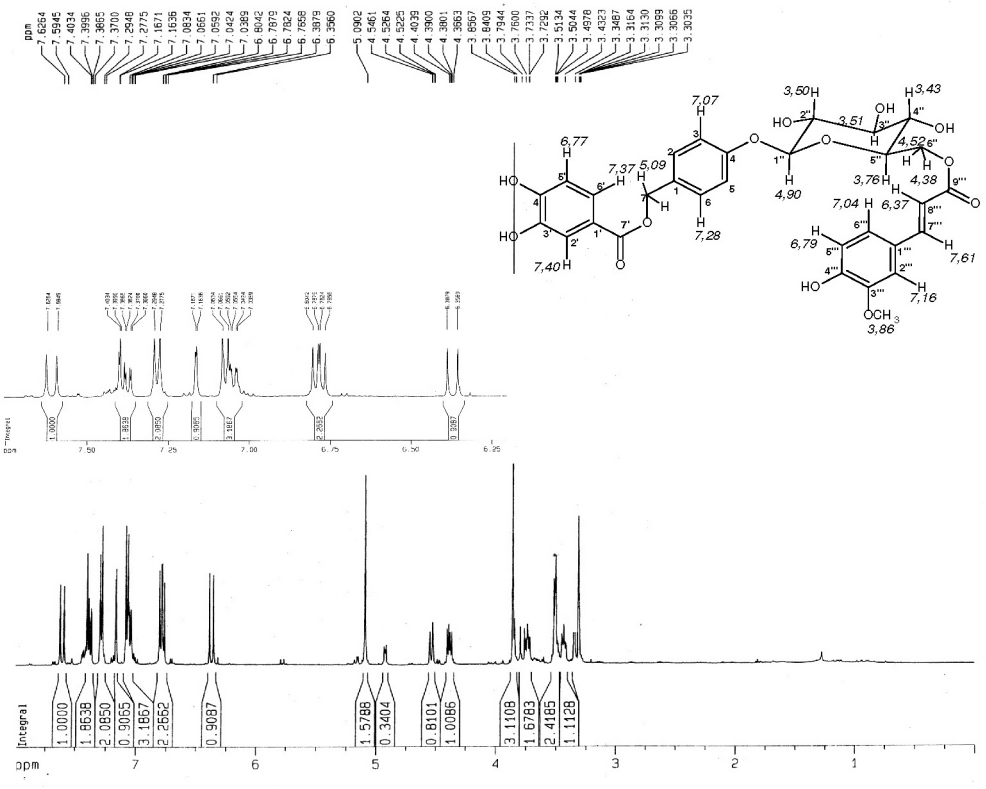

Figure S29. ^{1}H NMR spectrum of **5** (CD_3OD, 500 MHz).

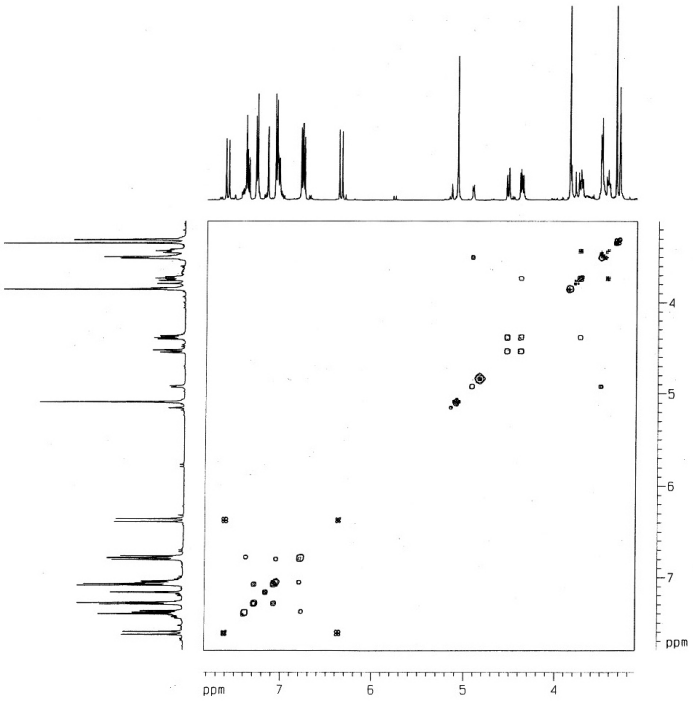

Figure S30. ^{1}H, ^{1}H COSY-NMR spectrum of **5** (CD_3OD, 500 × 500 MHz).

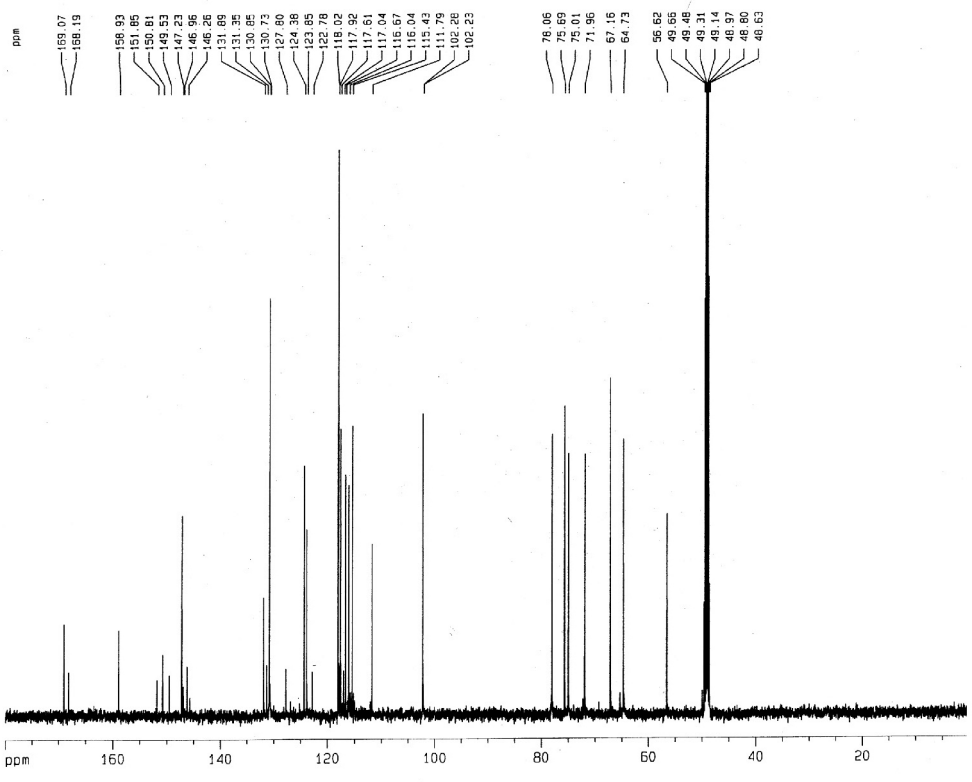

Figure S31. ^{13}C NMR spectrum of **5** (CD_3OD, 125 MHz).

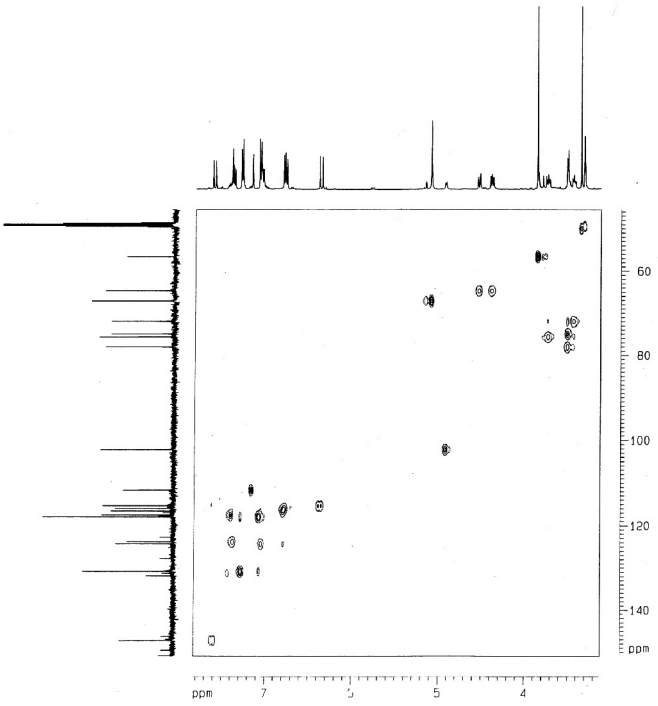

Figure S32. ^{1}H, ^{13}C HSQC-NMR spectrum of **5** (CD_3OD, 500 × 125 MHz).

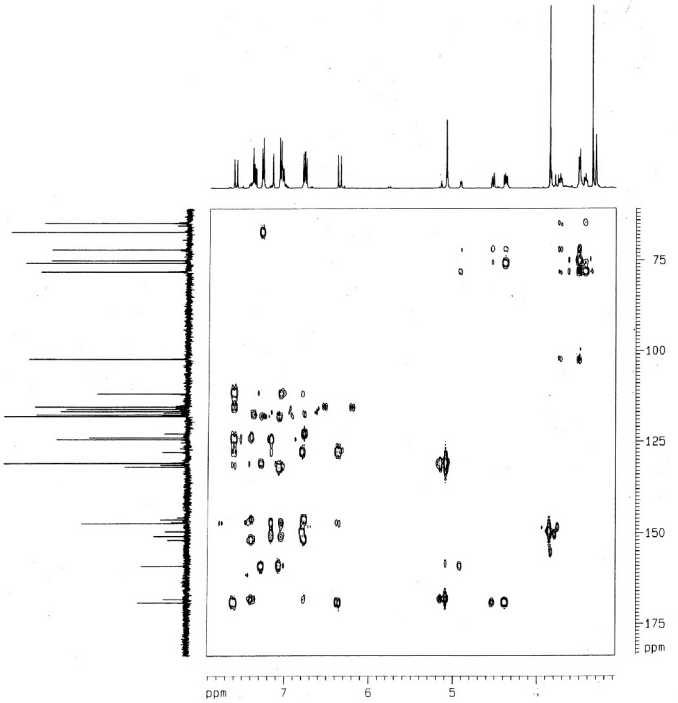

Figure S33. ^{1}H, ^{13}C HMBC-NMR spectrum of **5** (CD_3OD, 500 × 125 MHz).

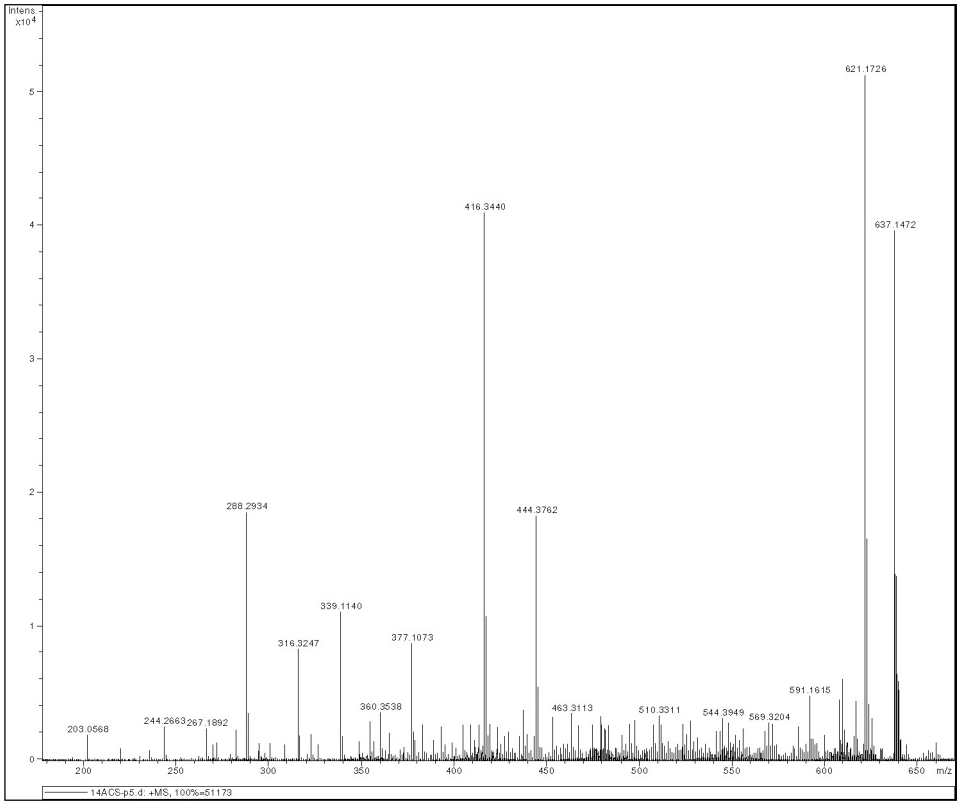

Figure S34. High resolution electrospray ionization mass spectrum of **5**.

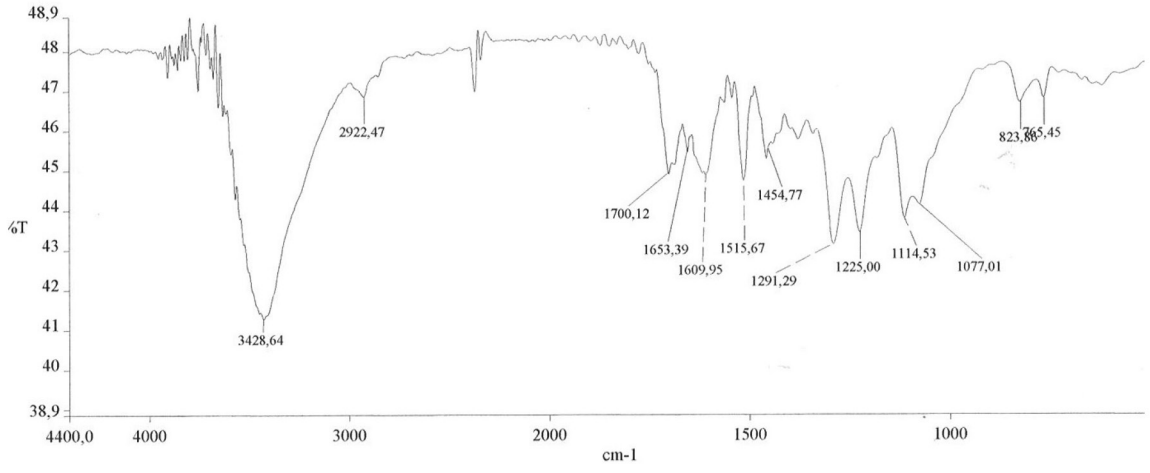

Figure S35. Infrared spectrum of compound **6** (KBr pellets).

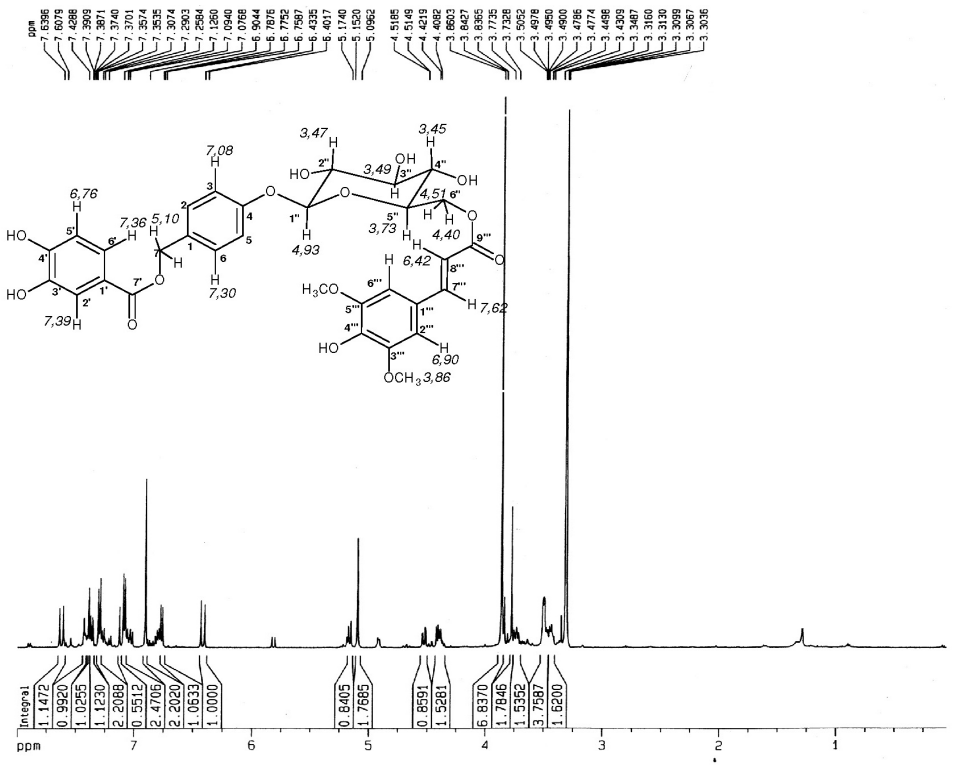

Figure S36. ^{1}H NMR spectrum of **6** (CD_3OD, 500 MHz).

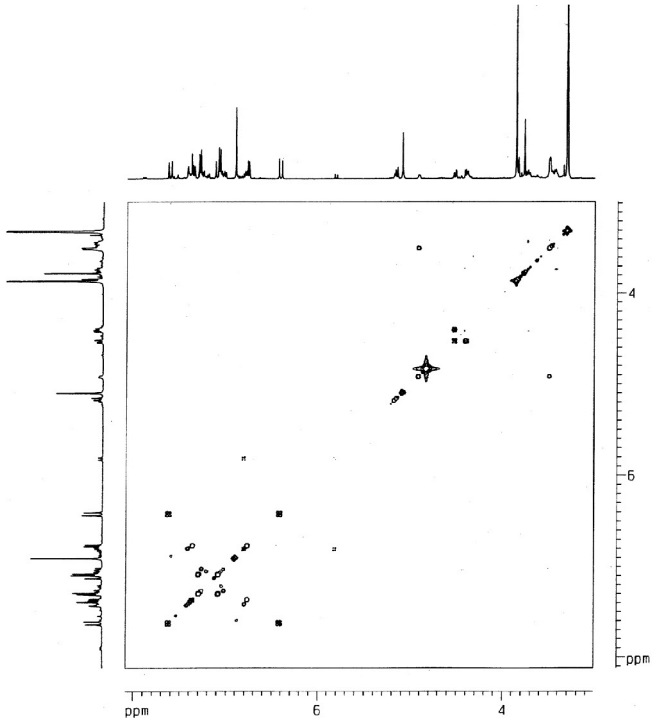

Figure S37. ^{1}H, ^{1}H COSY-NMR spectrum of **6** (CD_3OD, 500 × 500 MHz).

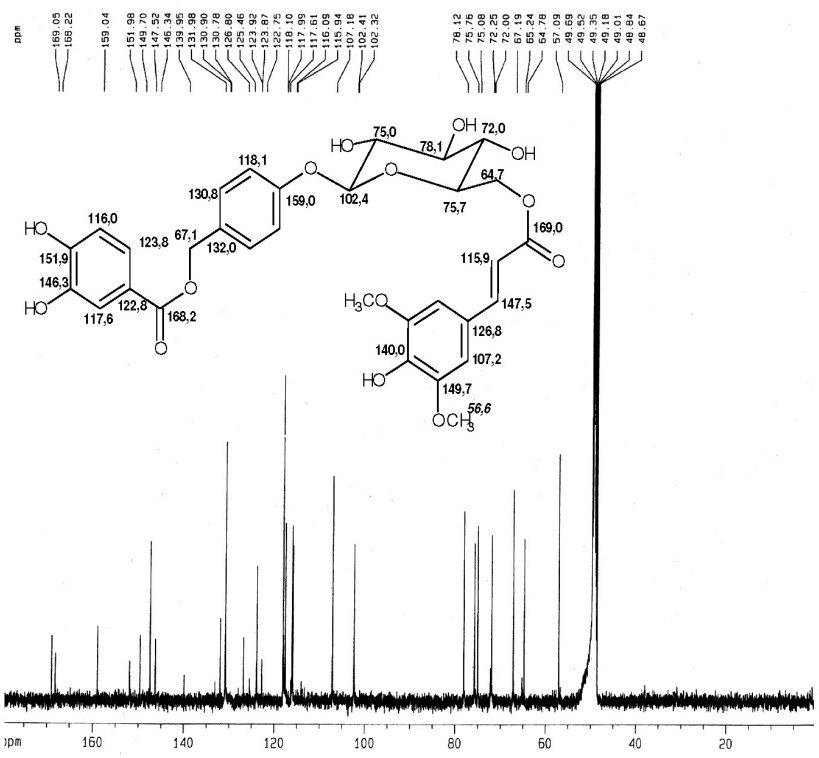

Figure S38. ^{13}C NMR spectrum of **6** (CD_3OD, 125 MHz).

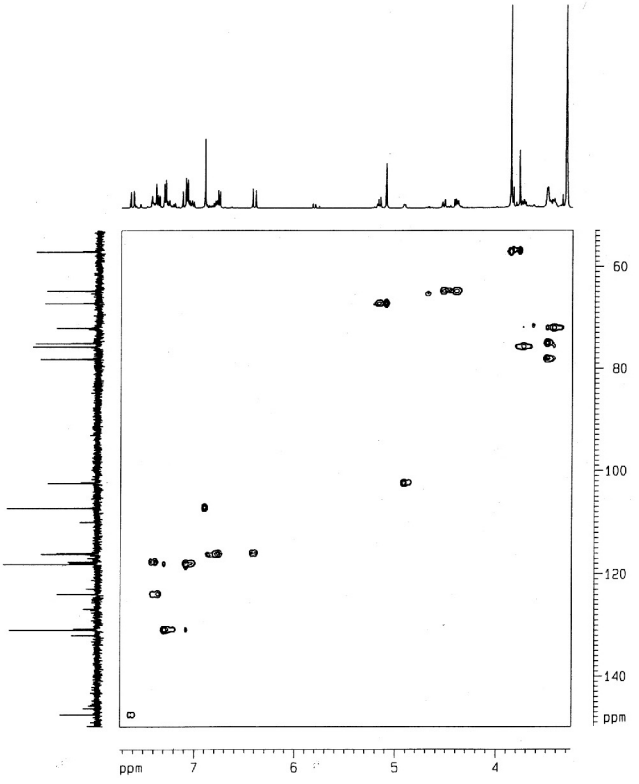

Figure S39. ^{1}H, ^{13}C HSQC-NMR spectrum of **6** (CD_3OD, 500 × 125 MHz).

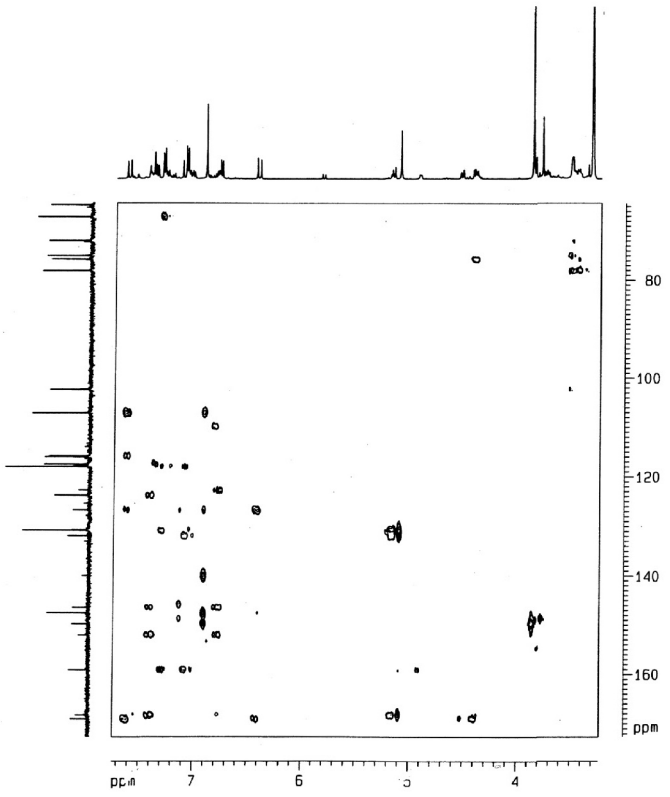

Figure S40. ^{1}H, ^{13}C HMBC-NMR spectrum of **6** (CD_3OD, 500 × 125 MHz).

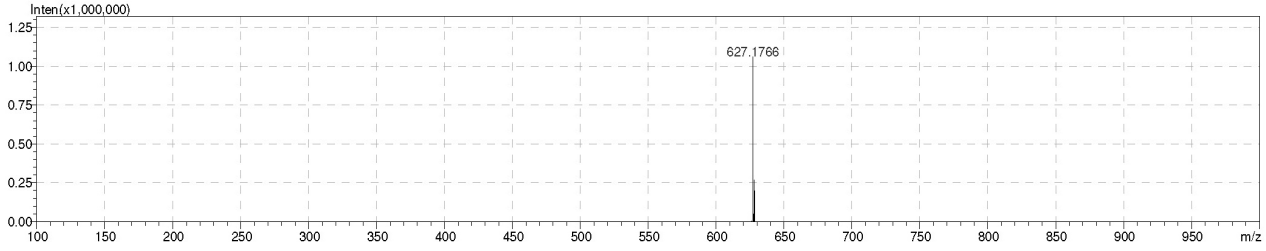

Figure S41. High resolution electrospray ionization mass spectrum of **6**.

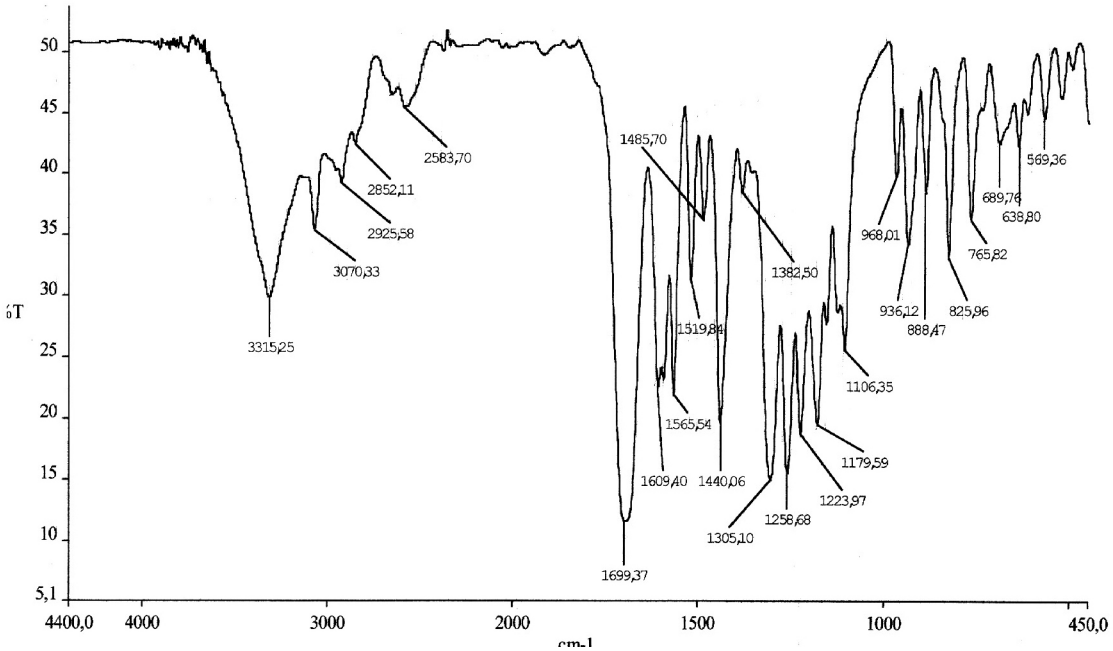

Figure S42. Infrared spectrum of compound **7** (KBr pellets).

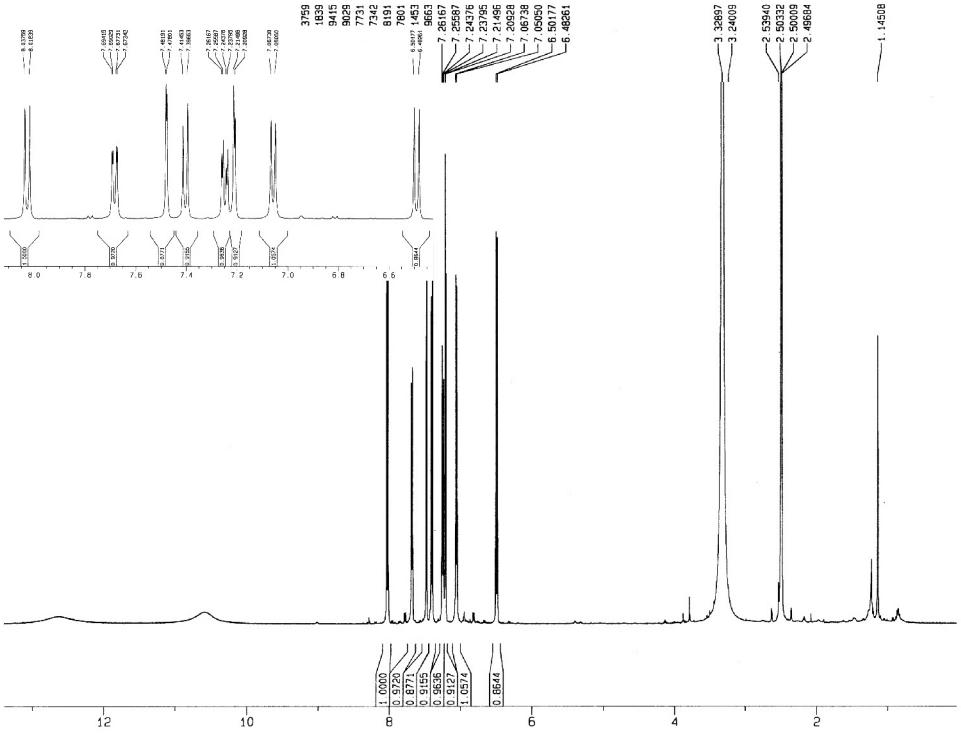

Figure S43. ^{1}H NMR spectrum of **7** (DMSO-d_6, 500 MHz).

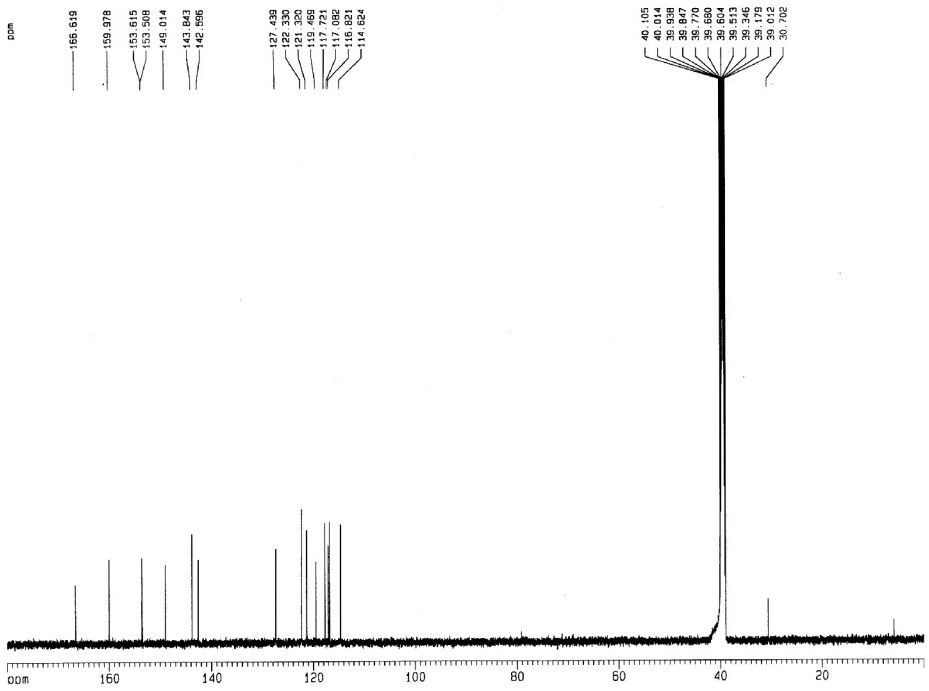

Figure S44. ^{13}C NMR spectrum of **7** (DMSO-d_6, 125 MHz).

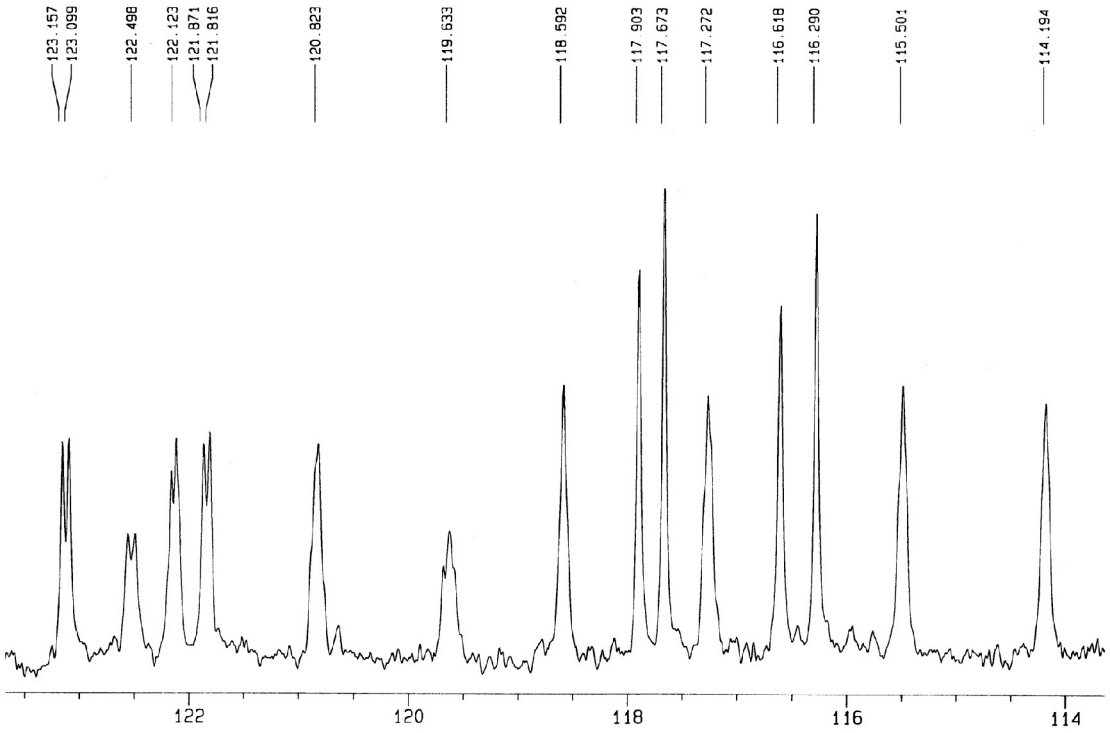

Figure S45. Expansion of the ^{13}C NMR-GATED spectrum of **7** (δ 123.5-113.5).

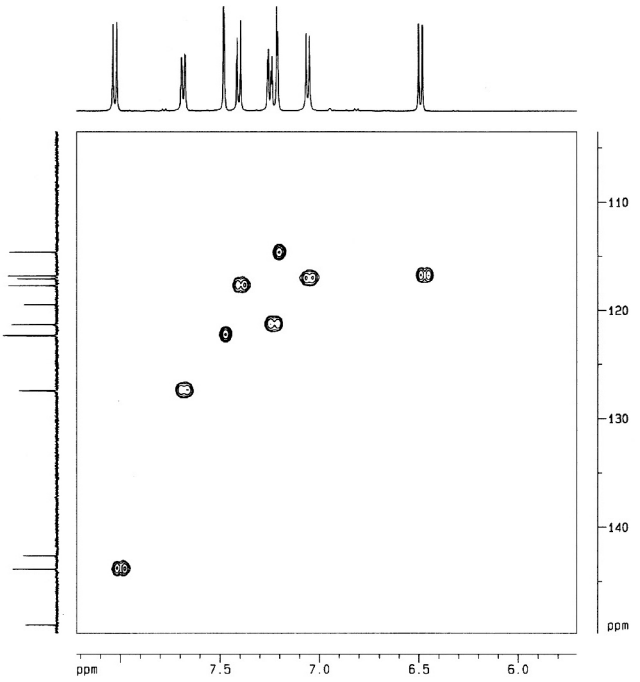

Figure S46. ^{1}H, ^{13}C HSQC-NMR spectrum of **7** (DMSO-d_6, 500 × 125 MHz).

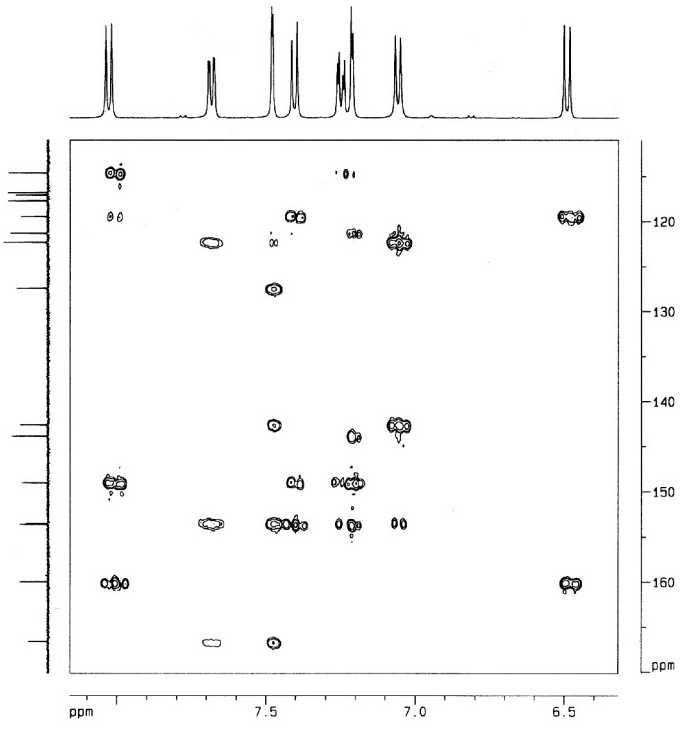

Figure S47. ^{1}H, ^{13}C HMBC-NMR spectrum of **7** (DMSO-d_6, 500 × 125 MHz).

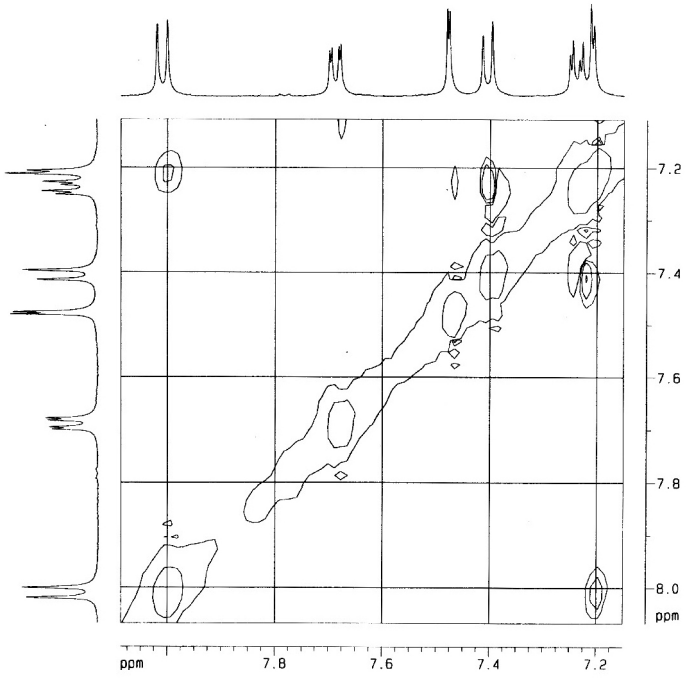

Figure S48. ^{1}H, ^{1}H NOESY-NMR spectrum of **7** (DMSO-d_6, 500 × 500 MHz).

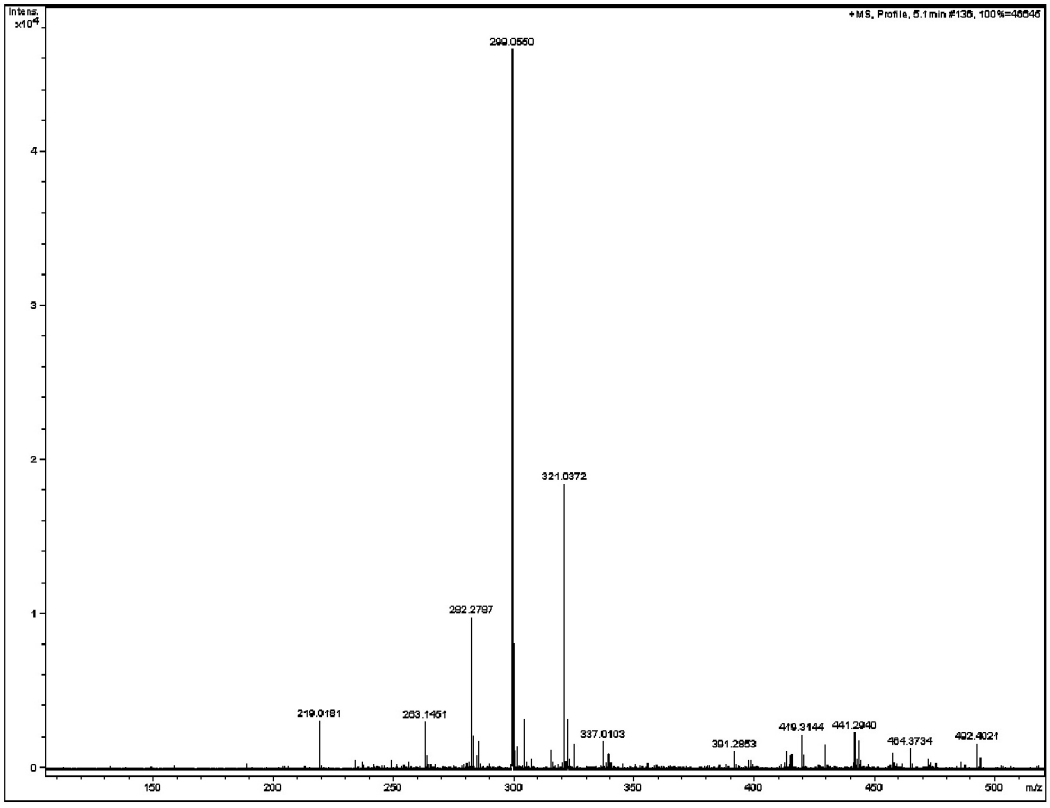

Figure S49. High resolution electrospray ionization mass spectrum of **7**.