

## Supporting Information

*Rec. Nat. Prod.* **10:3 (2016) 349-354**

### A new Antioxidative Resveratrol Trimer from the Roots and Stems of *Vitis quinquangularis*

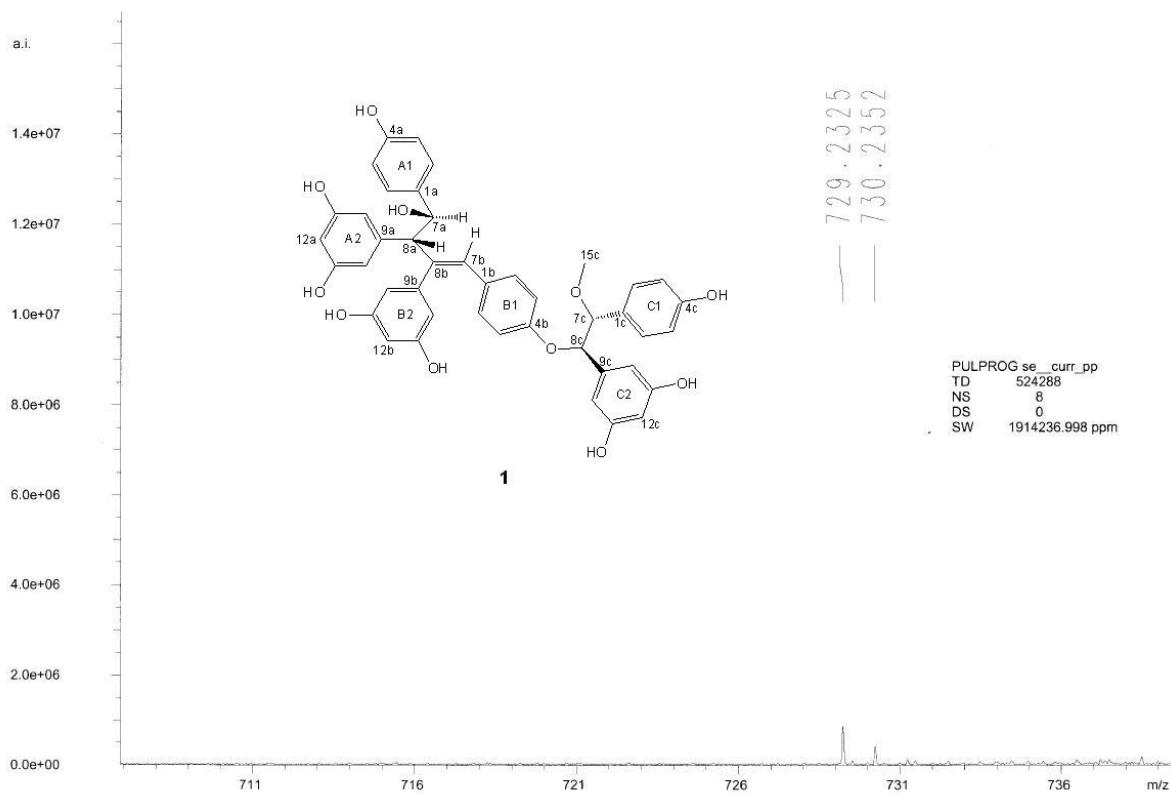
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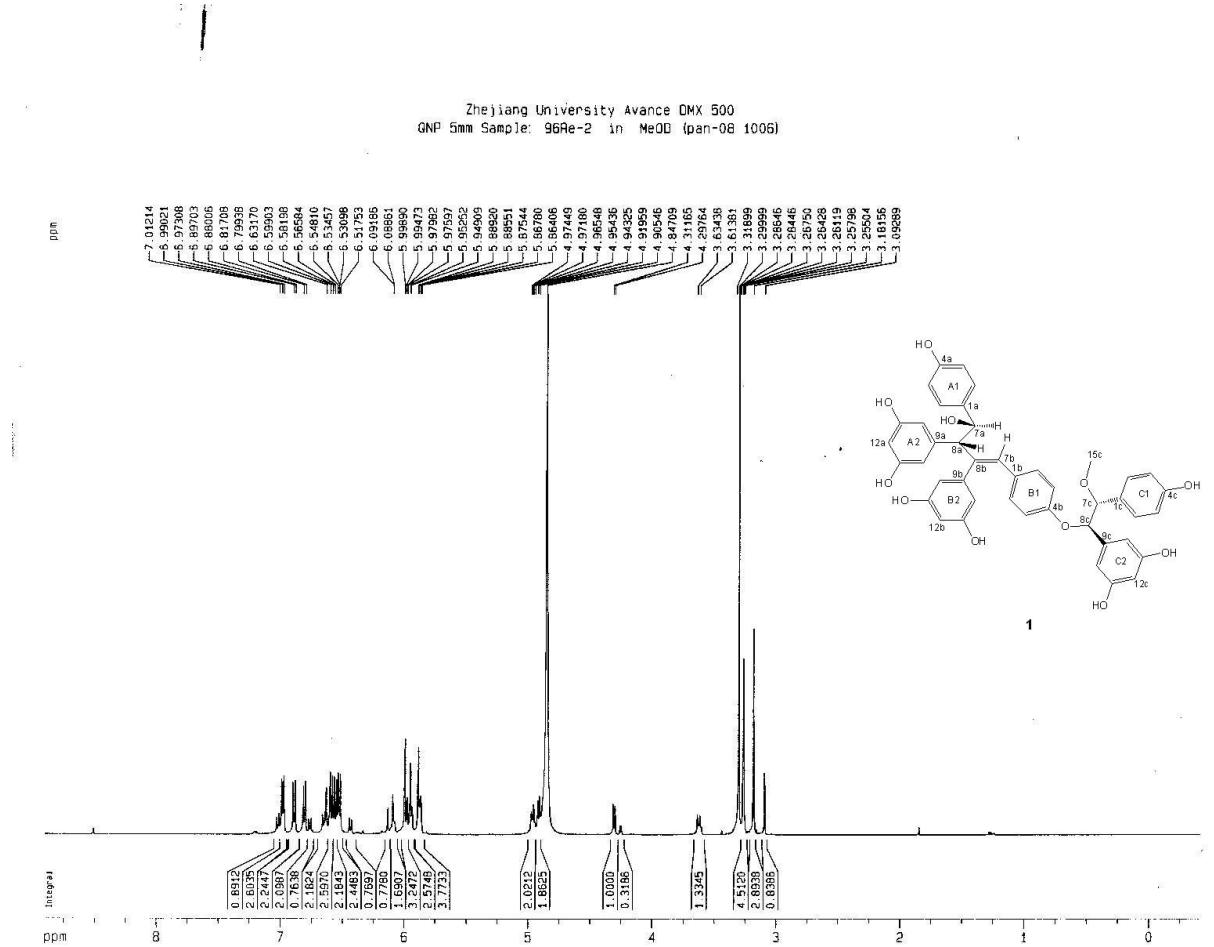
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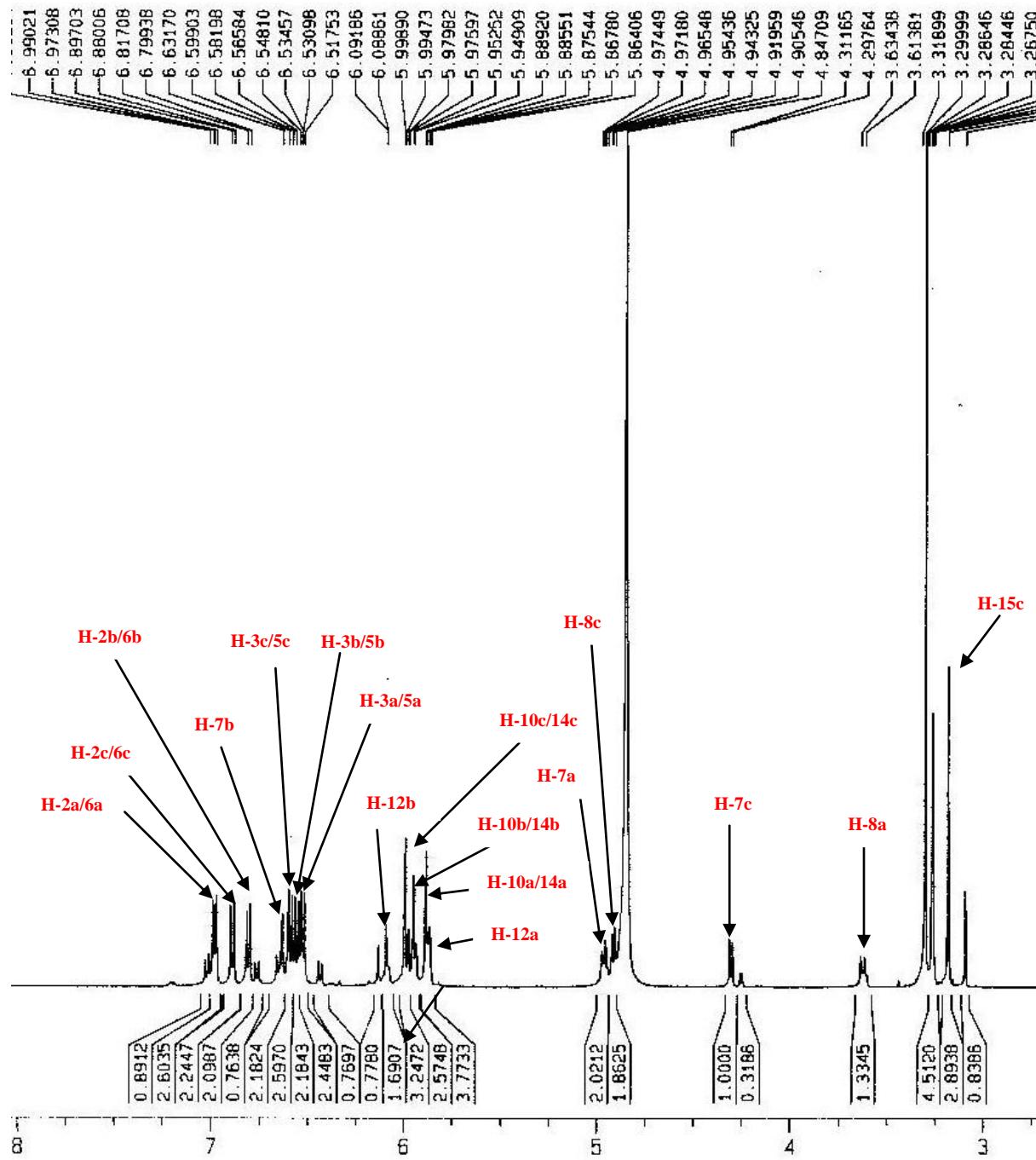


**S1:** HR-ESI-MS Spectrum of Quinquangularol (**1**)

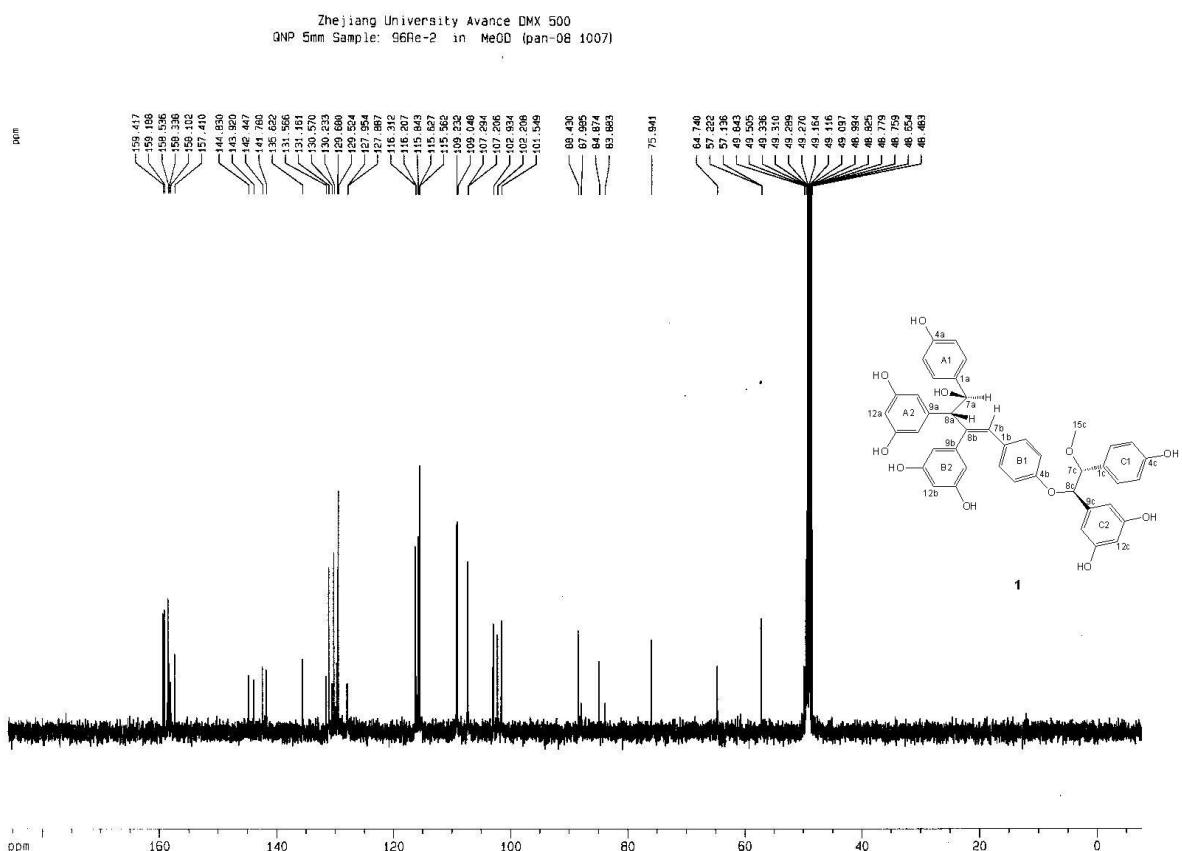


**S2:**  $^1\text{H}$ -NMR (500 MHz, MeOD) Spectrum of Quinquangularol (**1**)

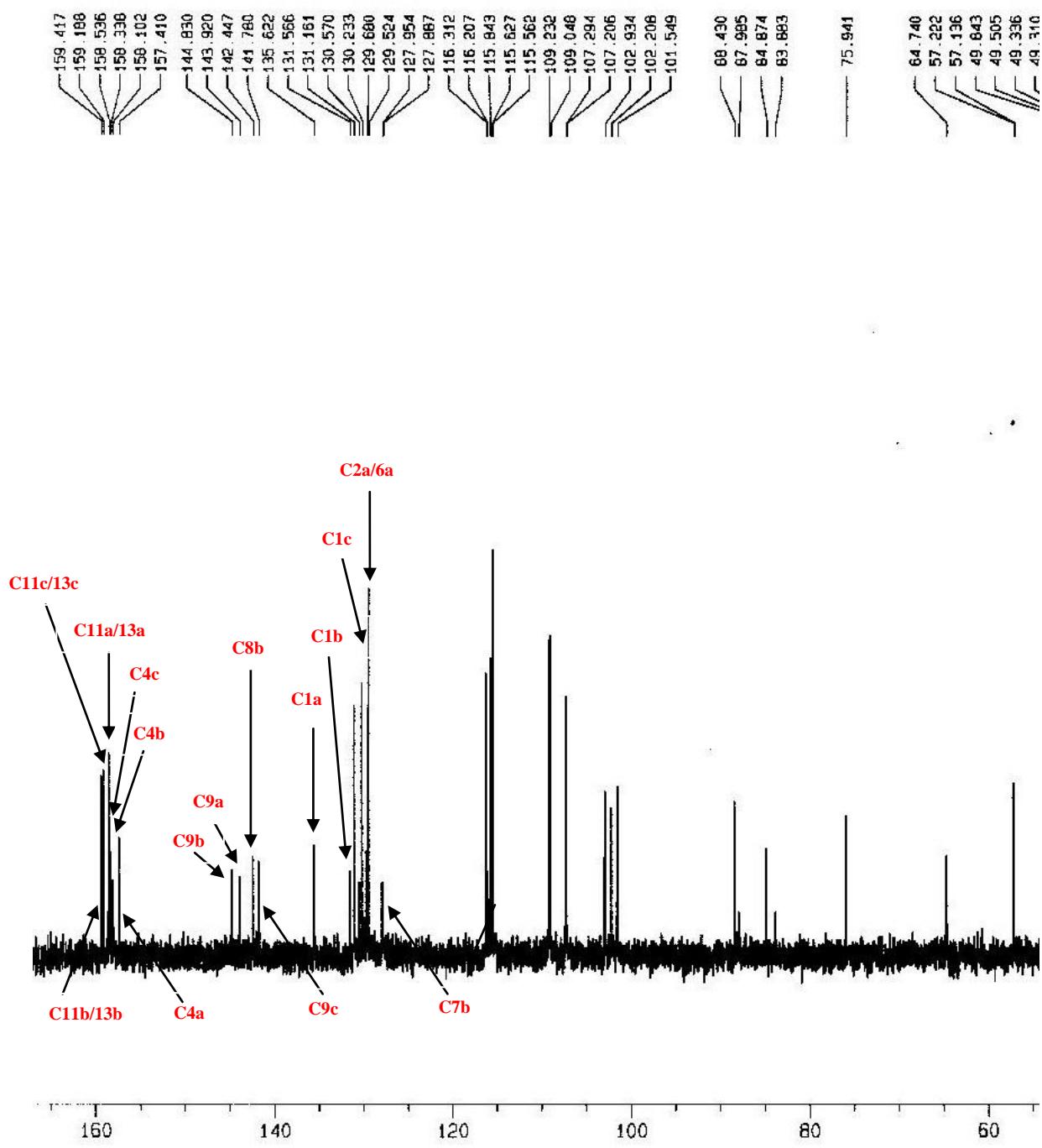
*Quinquangularol (1):* Colorless amorphous powder.  $^1\text{H}$ -NMR (MeOD, 500 MHz),  $\delta$ : 3.18 (3H, s, H-15c), 3.62 (1H, d, H-8a), 4.30 (1H, d, H-7c), 4.91 (1H, d, H-8c), 4.97 (1H, d, H-7a), 5.87 (1H, m, H-12a), 5.89 (2H, d, H-10a/14a), 5.95 (2H, d, H-10b/14b), 5.97 (1H, d, H-12c), 5.99 (2H, d, H-10c/14c), 6.09 (1H, d, H-12b), 6.52 (2H, d, H-3a/5a), 6.55 (2H, d, H-3b/5b), 6.57 (2H, d, H-3c/5c), 6.63 (1H, s, H-7b), 6.80 (2H, d, H-2b/6b), 6.89 (2H, d, H-2c/6c), 6.98 (2H, d, H-2a/6a).  $^{13}\text{C}$ -NMR (MeOD, 125 MHz),  $\delta$ : 57.2 (C-15c), 64.7 (C-8a), 75.9 (C-7a), 84.9 (C-8c), 88.4 (C-7c), 101.5 (C-12a), 102.2 (C-12b), 102.9 (C-12c), 107.3 (C-10c/14c), 109.0 (C-10b/14b), 109.2 (C-10a/14a), 115.6 (C-3a/5a), 115.8 (C-3c/5c), 116.3 (C-3b/5b), 127.9 (C-7b), 129.5 (C-2a/6a), 129.7 (C-1c), 130.2 (C-2c/6c), 131.2 (C-2b/6b), 131.6 (C-1b), 135.6 (C-1a), 141.8 (C-9c), 142.4 (C-8b), 143.9 (C-9a), 144.8 (C-9b), 157.4 (C-4a), 158.1 (C-4b), 158.3 (C-4c), 158.5 (C-11a/13a), 159.2 (C-11c/13c), 159.4 (C-11b/13b). HR-ESI-MS:  $m/z = 729.2325$  [M-H]<sup>-</sup> for formula C<sub>43</sub>H<sub>37</sub>O<sub>11</sub>.



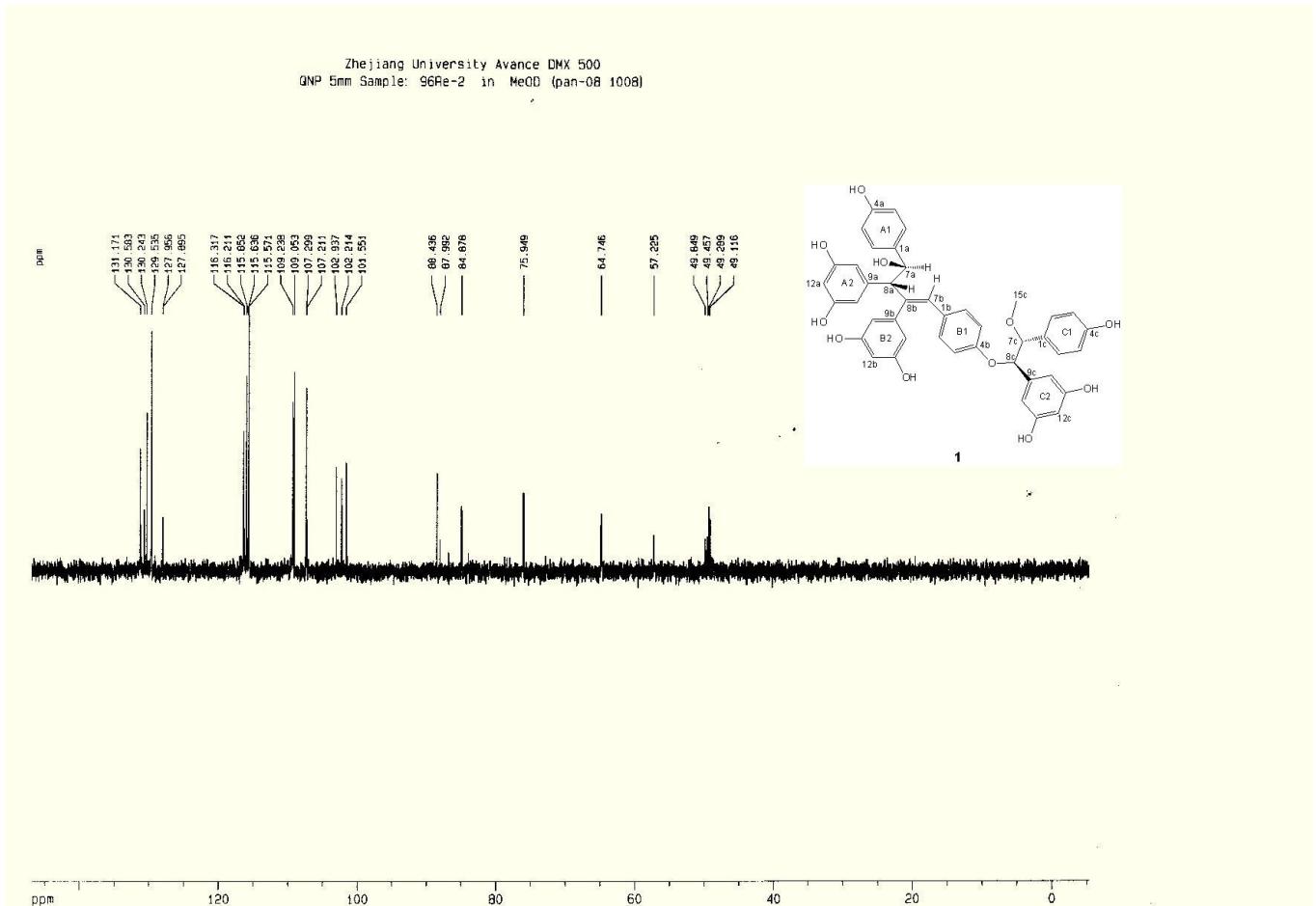
S3: Expansion of the  $^1\text{H}$ -NMR Spectrum of Quinquangularol (**1**)

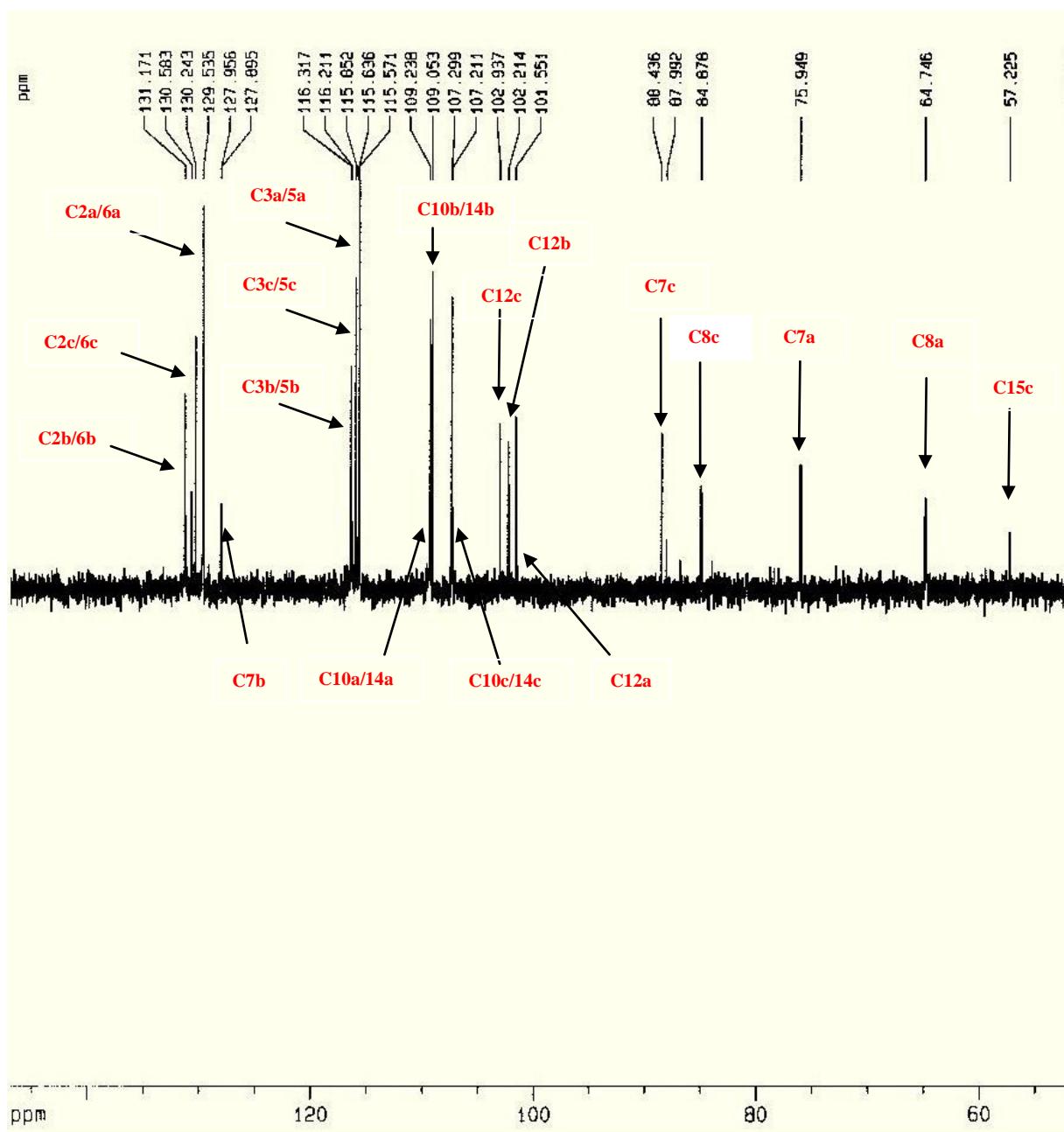


**S4:** <sup>13</sup>C-NMR (125 MHz, MeOD) Spectrum of Quinquangularol (**1**)

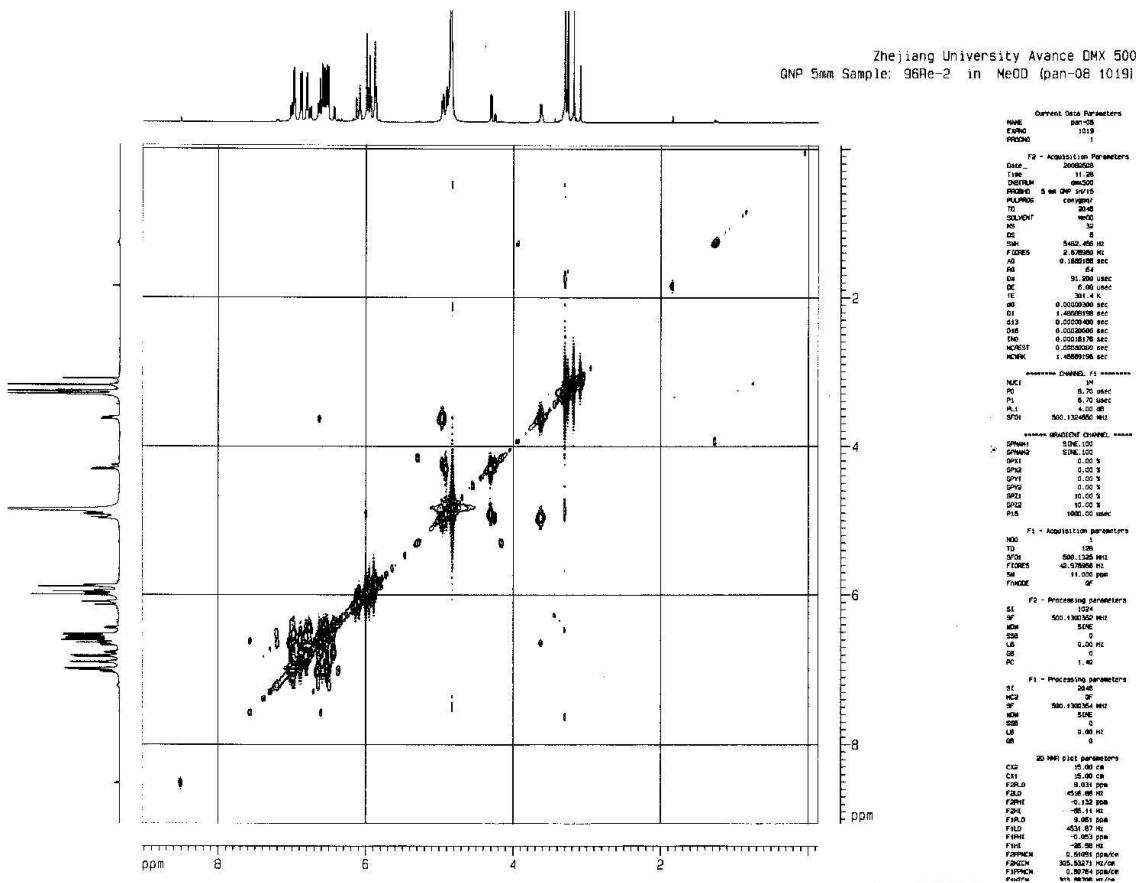


**S5:** Expansion of the  $^{13}\text{C}$ -NMR Spectrum of Quinquangularol (**1**)

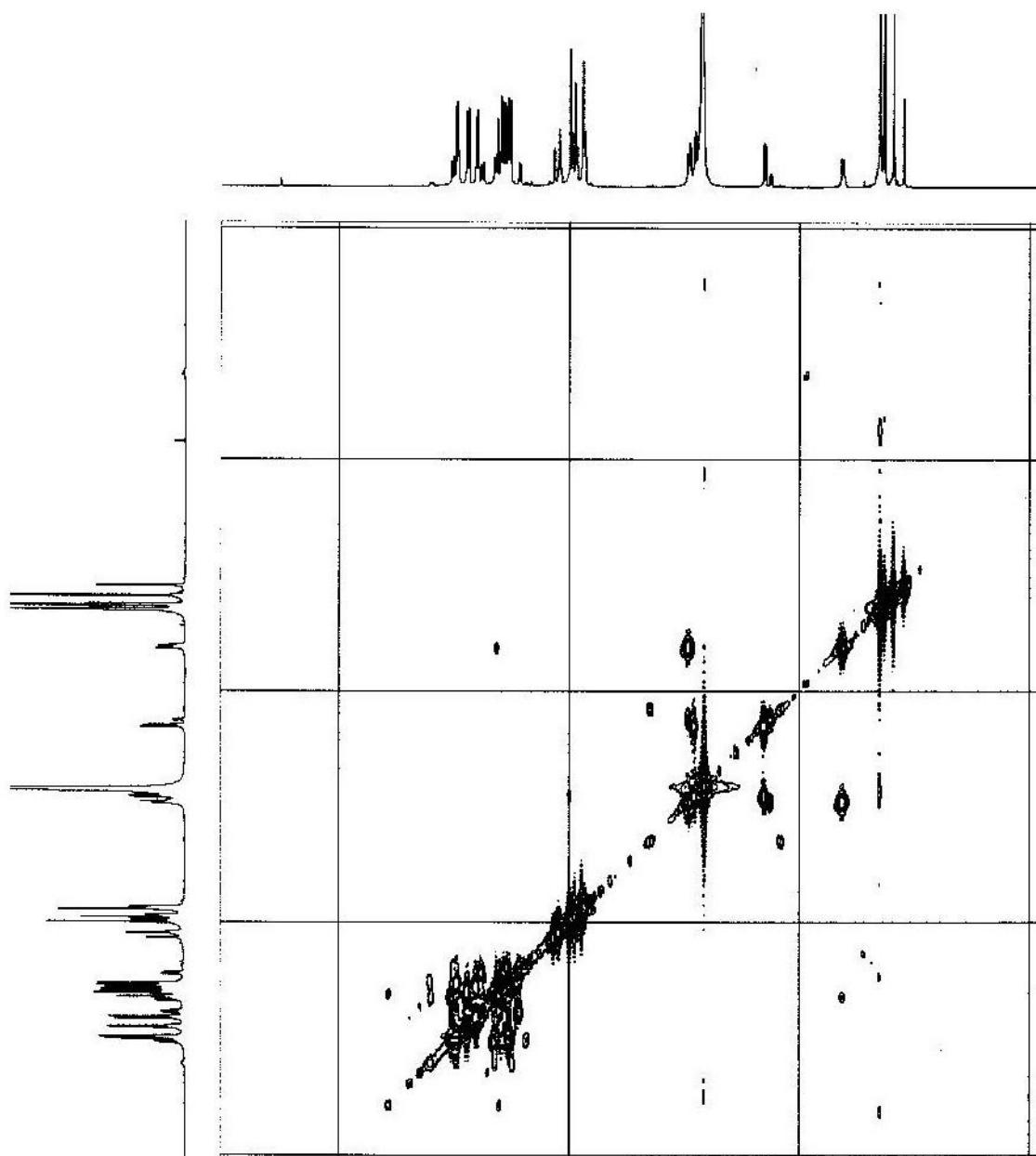




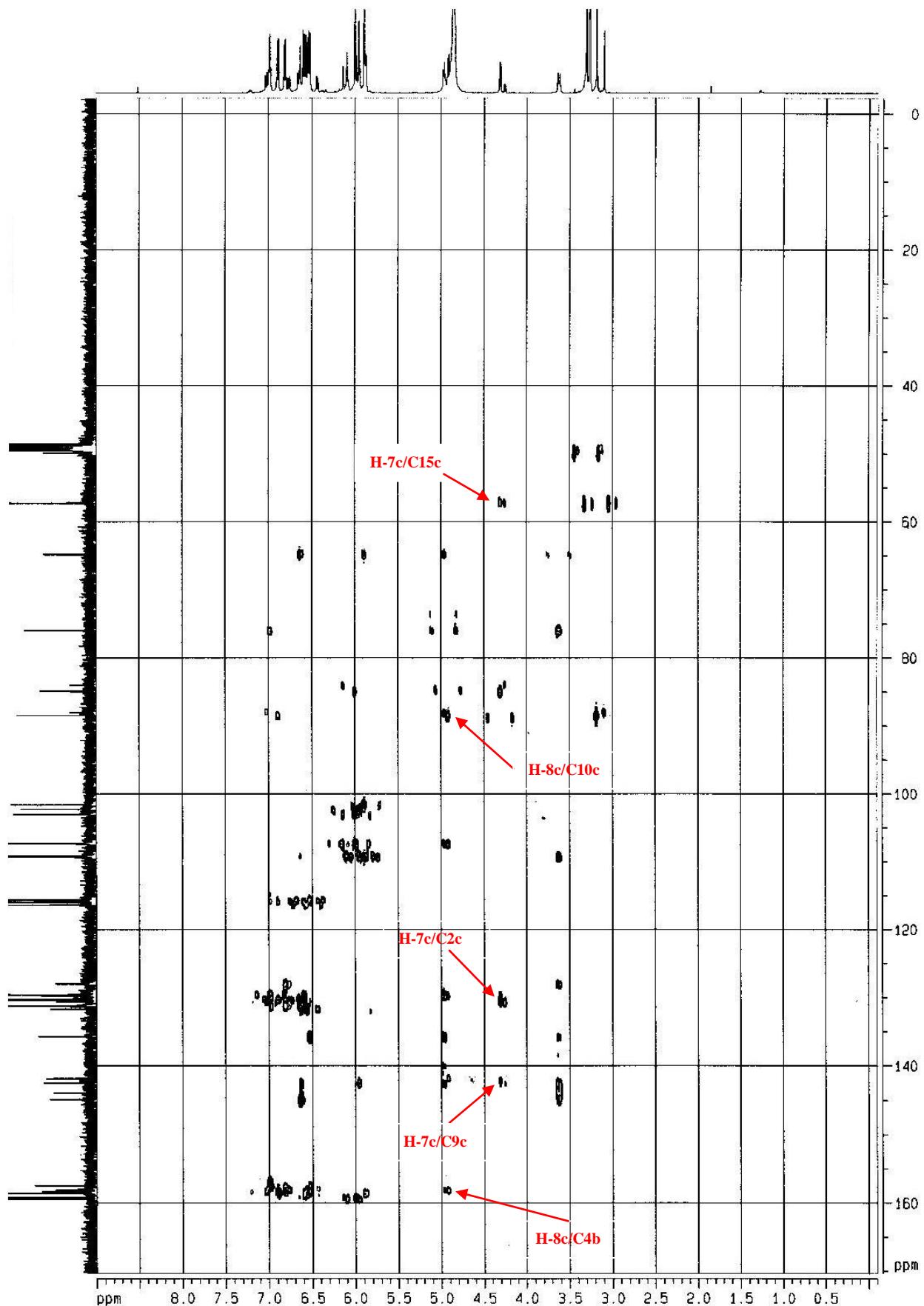
S7: Expansion of the DEPT Spectrum of Quinquangularol (**1**)



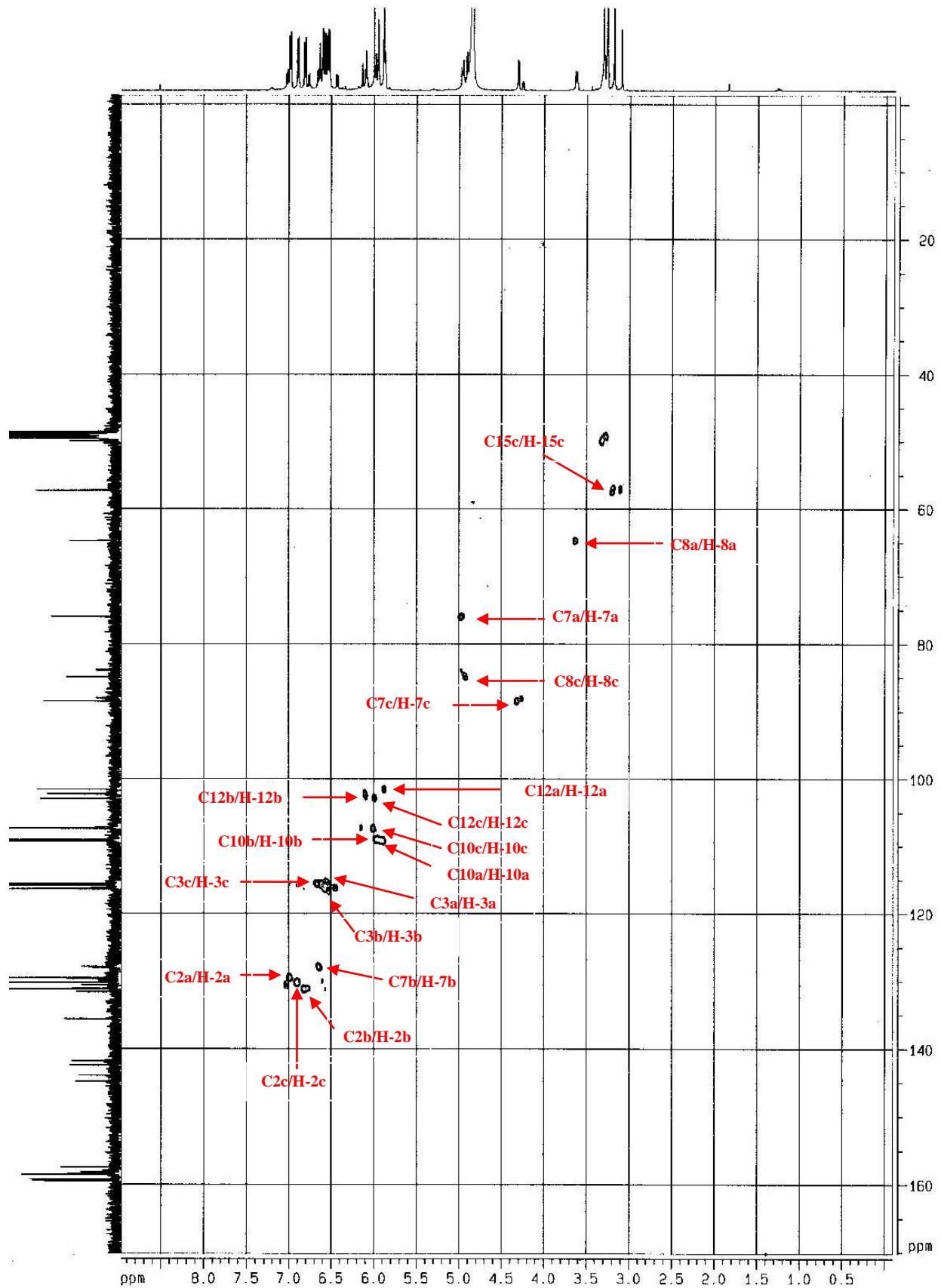
**S8:** COSY (500 MHz) Spectrum of Quinquangularol (**1**)



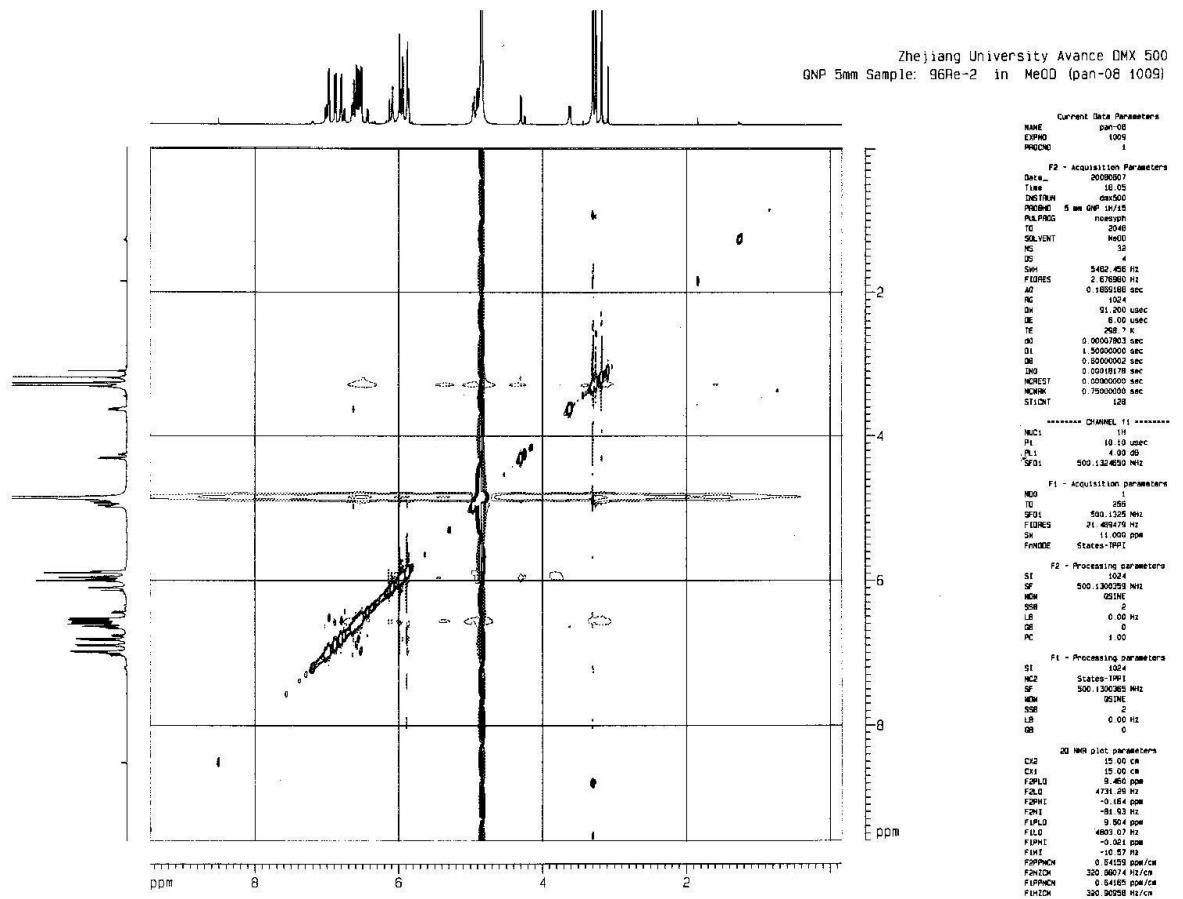
**S9:** Expansion of the COSY Spectrum of Quinquangularol (**1**)



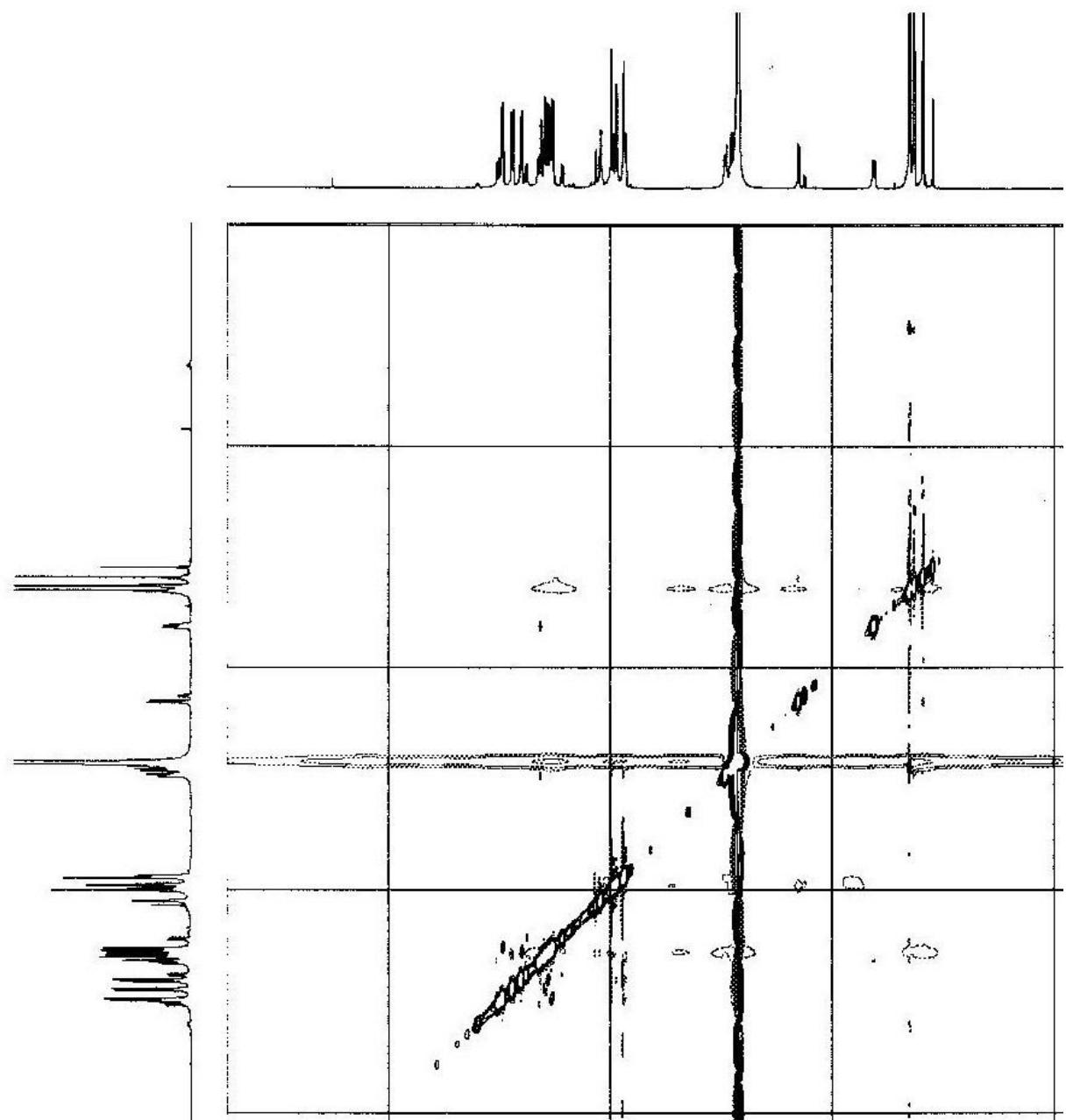
S10: HMBC (500 MHz) Spectrum of Quinquangularol (1)



S11: HMQC (500 MHz) Spectrum of Quinquangularol (**1**)



**S12:** NOESY (500 MHz) Spectrum of Quinquangularol (**1**)



**S13:** Expansion of the NOESY Spectrum of Quinquangularol (**1**)