

PHAEOPHYTINS FROM *Thysanacanthus ramosissimus* Moric. WITH INHIBITORY ACTIVITY ON HUMAN DNA TOPOISOMERASE II- α #

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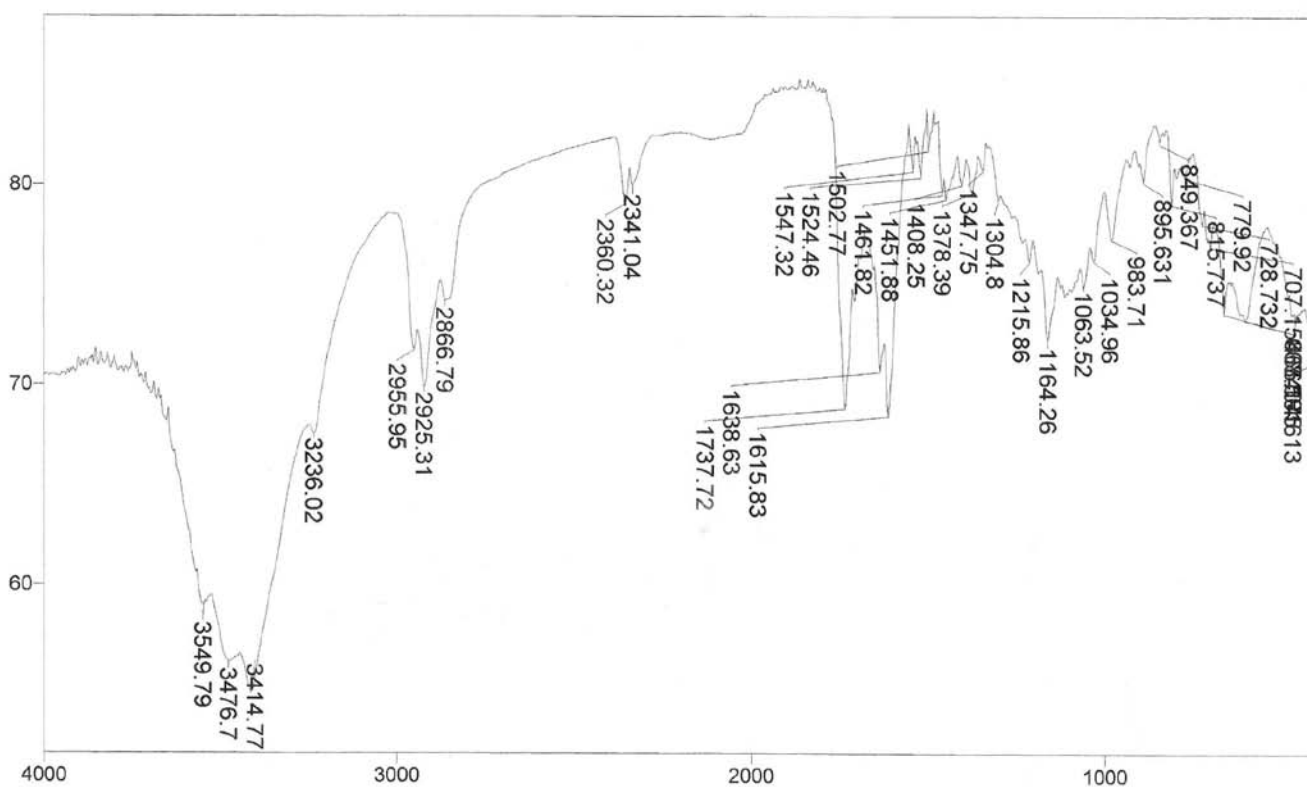


Figure 1S. IR spectrum of compound 1

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#Artigo em homenagem ao Prof. Otto R. Gottlieb (31/8/1920-19/6/2011)

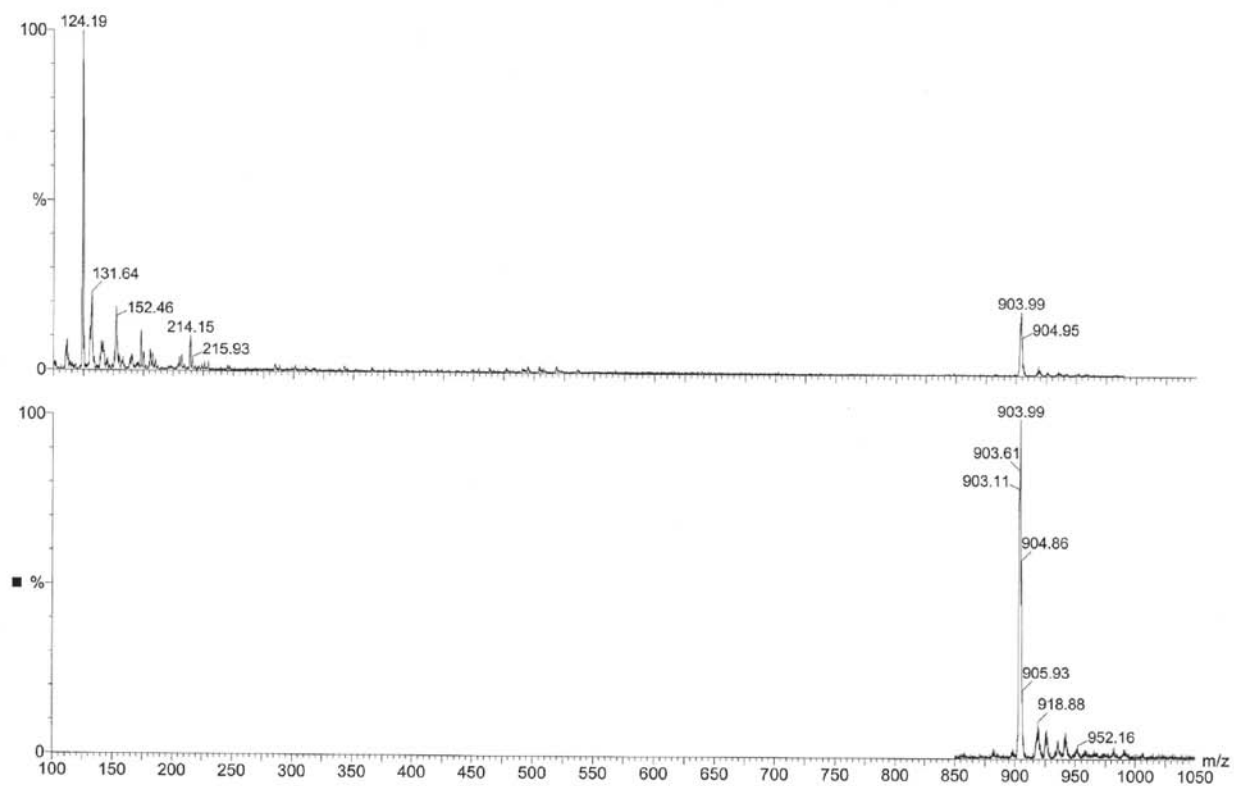


Figure 2S. ESI-MS spectrum of compound 1

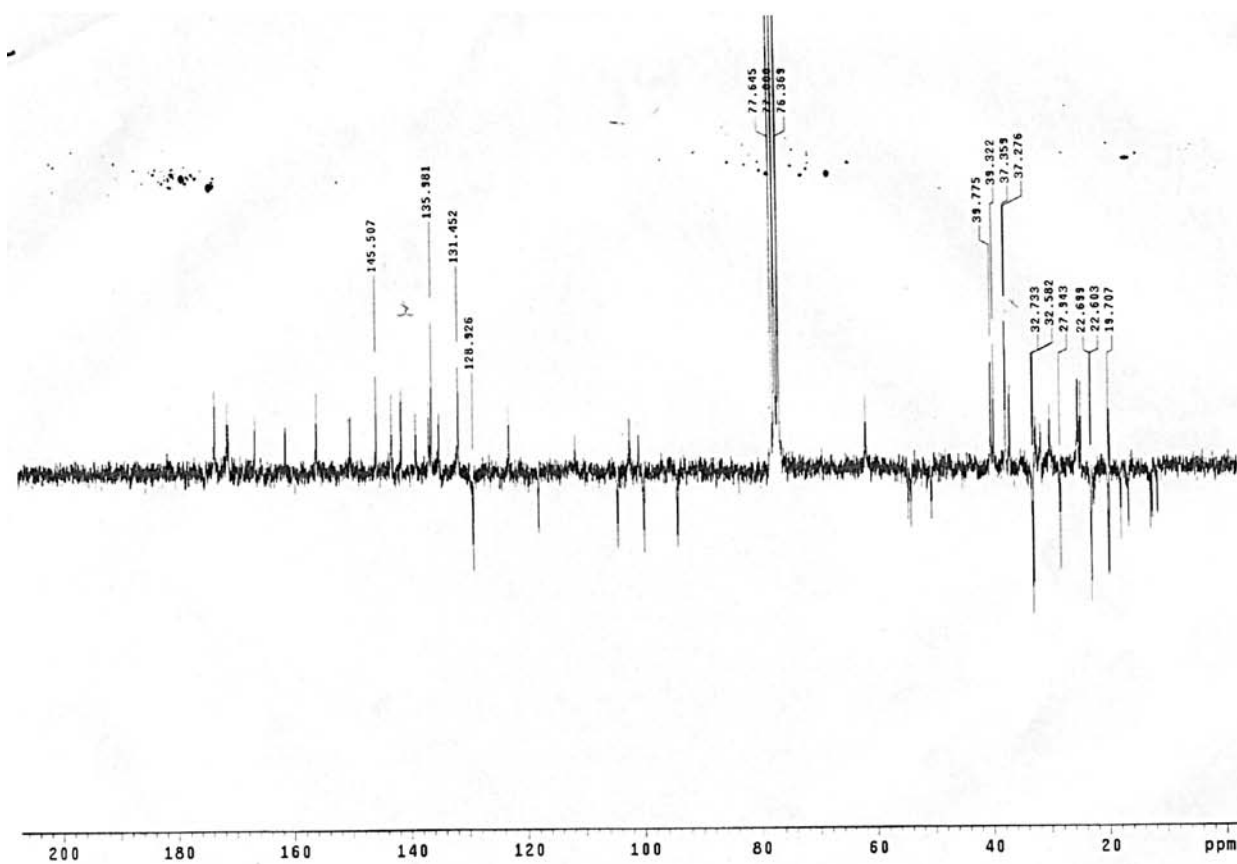


Figure 3S. NMR ¹³C-APT spectrum of compound 1 (CDCl₃, 50 MHz)

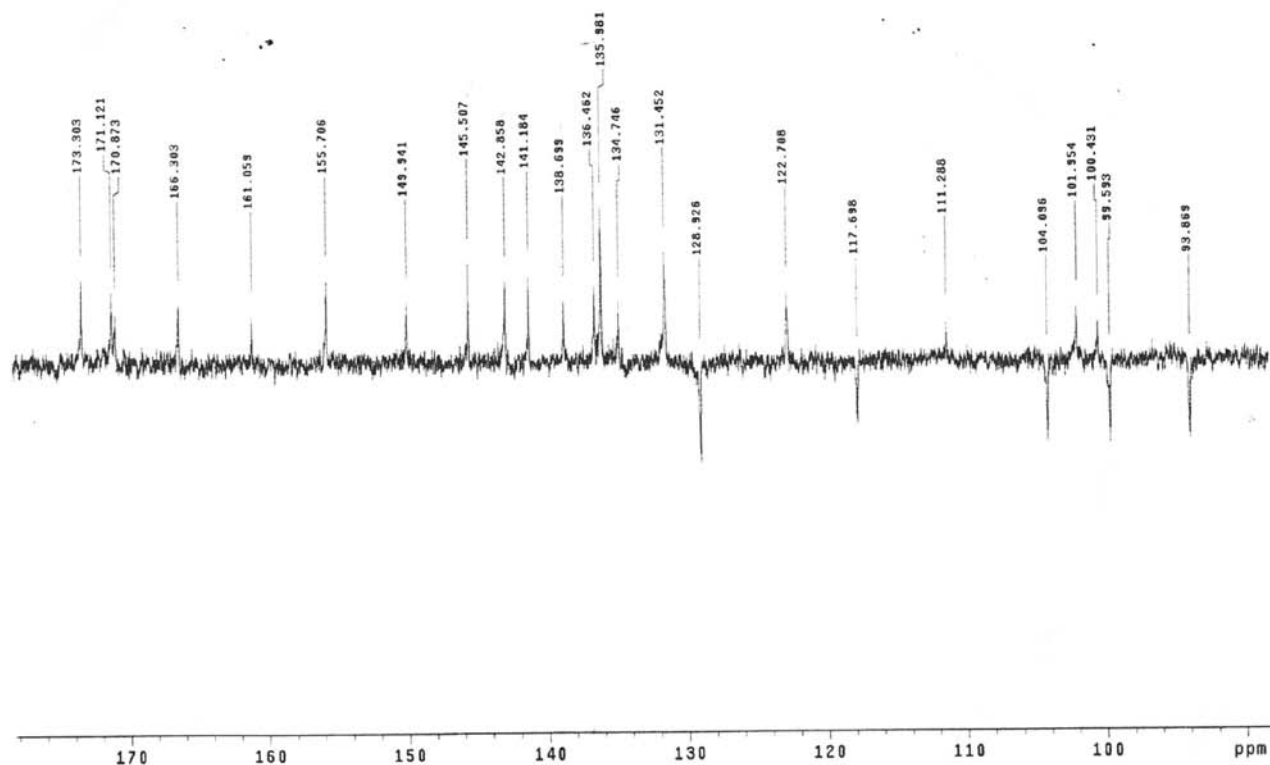


Figure 4S. Expansion of NMR ^{13}C -APT spectrum in the region of 178.0 – 90.0 of compound **1** (CDCl_3 , 50 MHz)

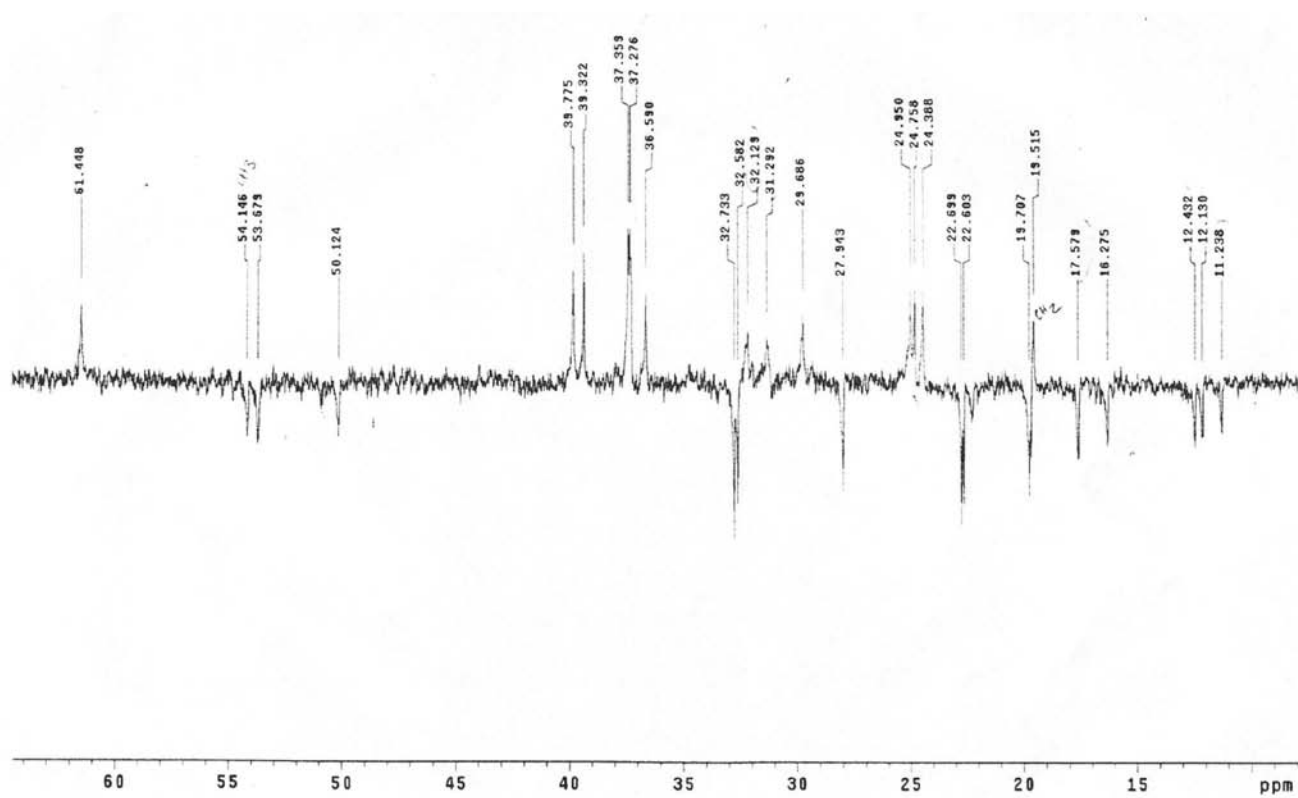


Figure 5S. Expansion of the NMR ^{13}C -APT spectrum in the region of 65.0 – 8.0 of compound **1** (CDCl_3 , 50 MHz)

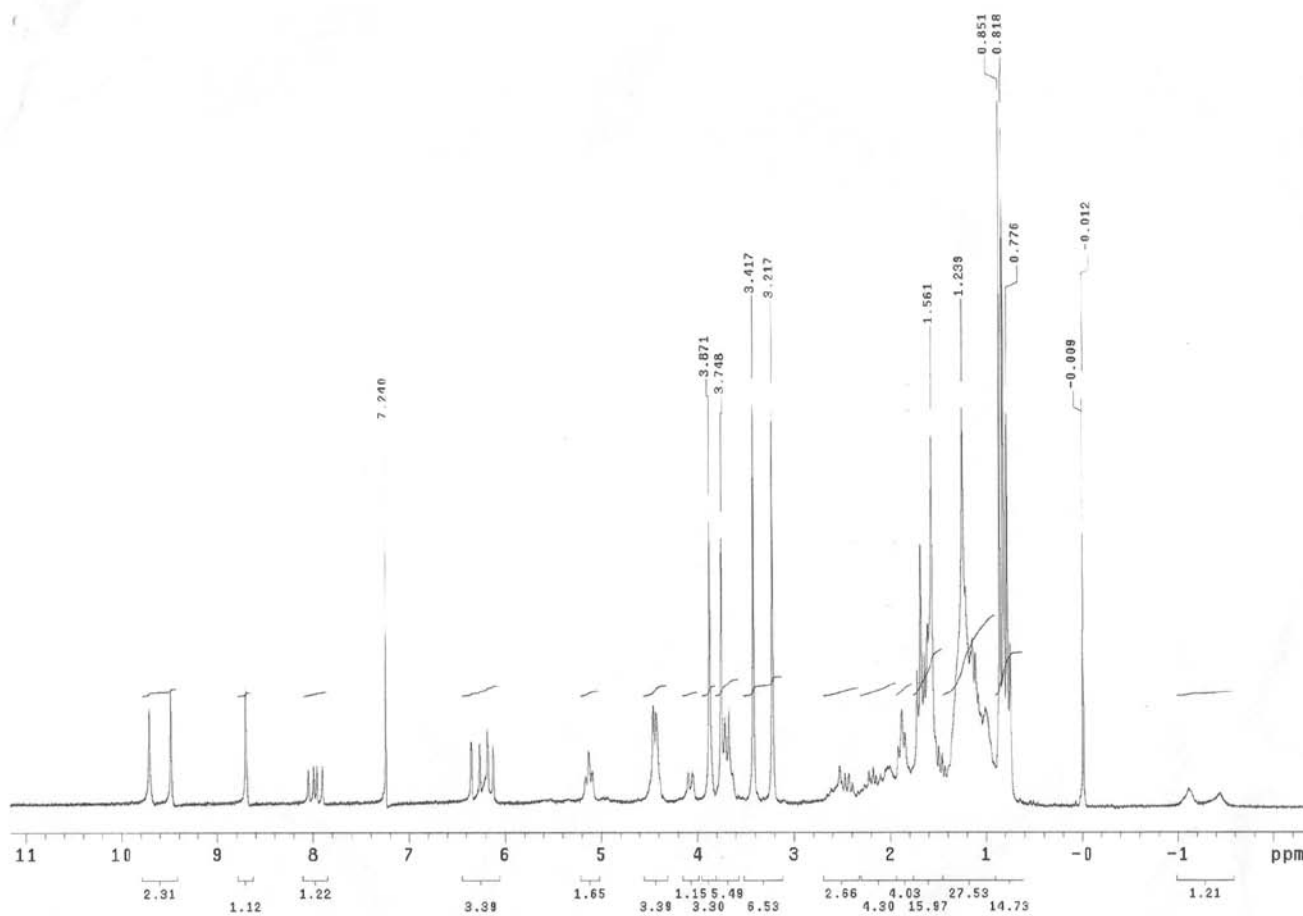


Figure 6S. NMR ^1H spectrum of compound **1** (CDCl_3 , 200 MHz)

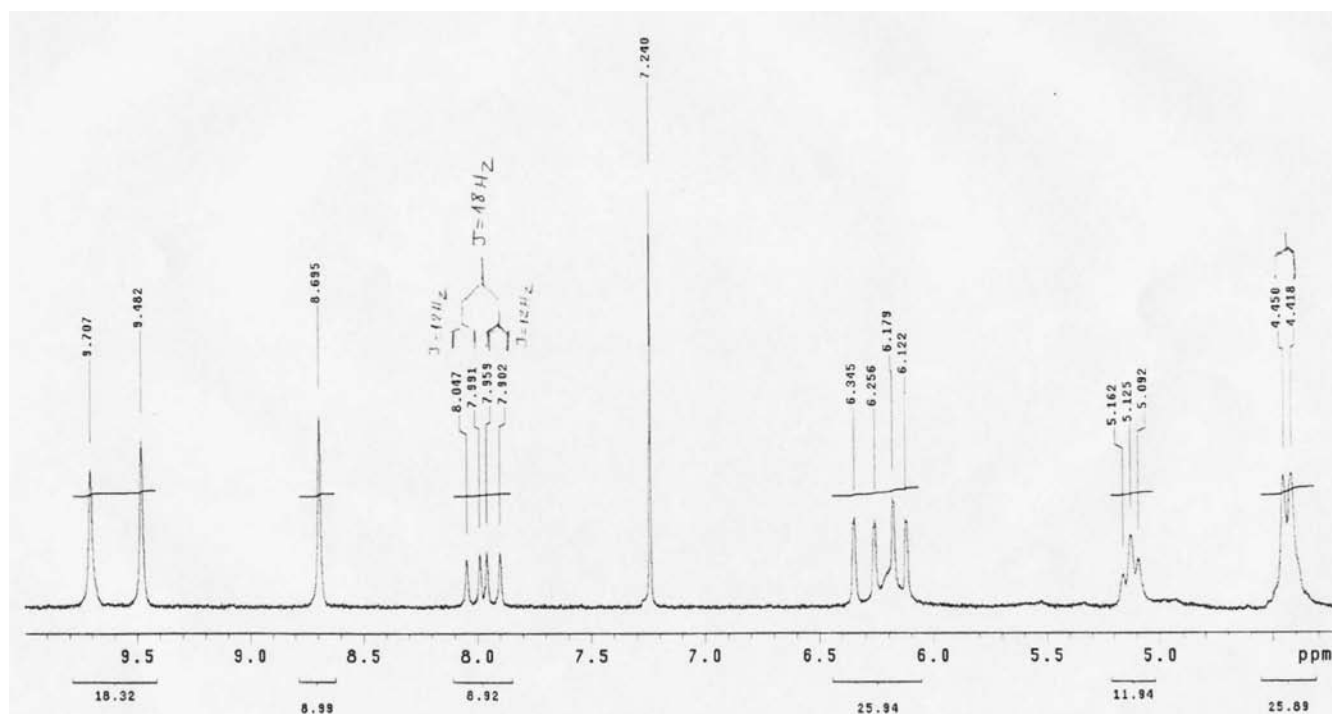


Figure 7S. Expansion of the NMR ^1H spectrum in the region of 10.0 – 4.5 of compound **1** (CDCl_3 , 200 MHz)

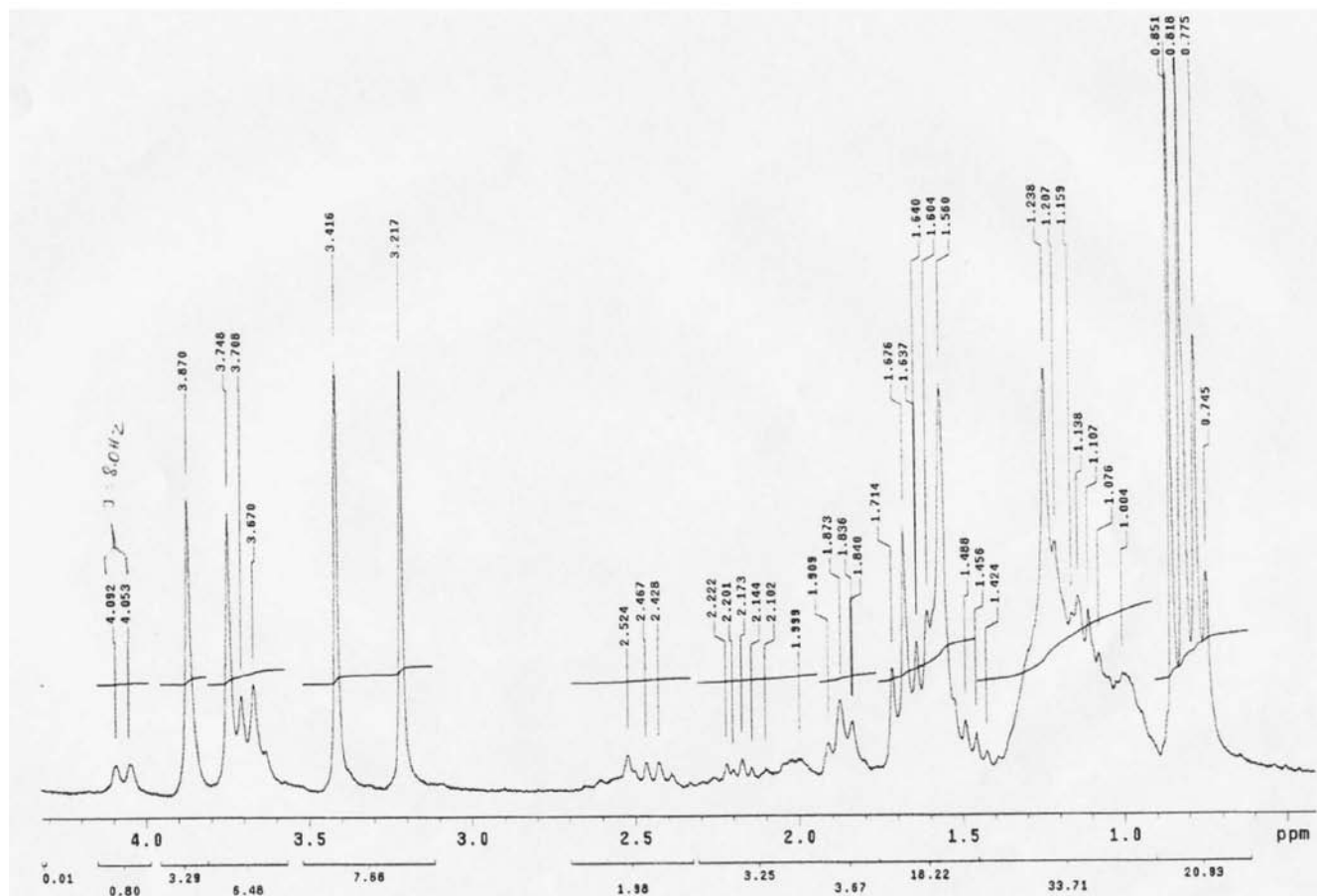


Figure 8S. Expansion of the NMR ^1H spectrum in the region of 4.5–0.5 of compound **1** (CDCl_3 , 200 MHz)

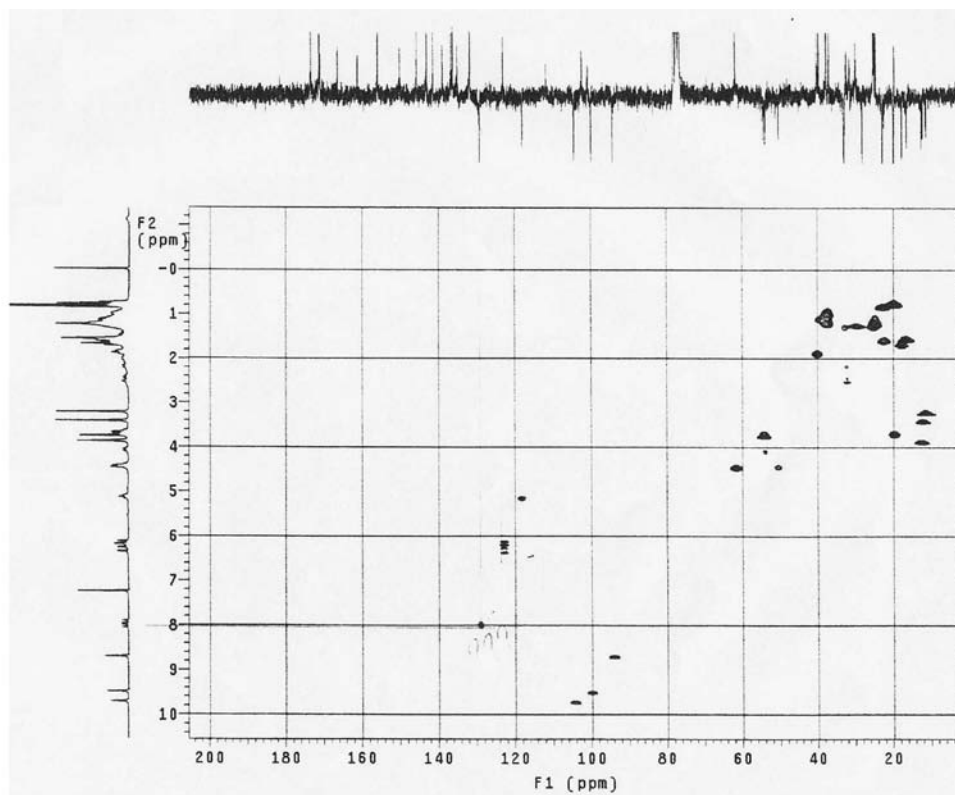


Figure 9S. $^1\text{H} \times ^{13}\text{C}$ -HMOC correlation spectrum of compound **1** (CDCl_3 , 200 and 50 MHz respectively)

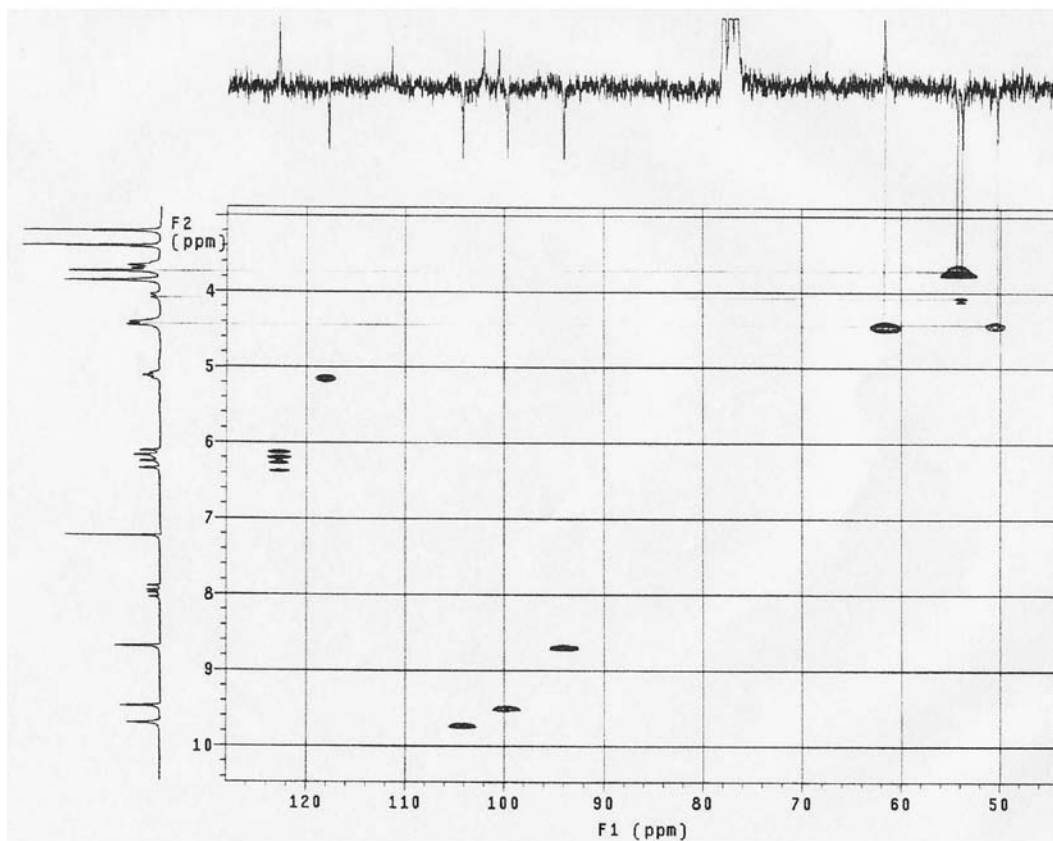


Figure 10S. Expansion of the $^1\text{H} \times ^{13}\text{C}$ -HMQC correlation spectrum of compound **1** (CDCl_3 , 200 and 50 MHz respectively)

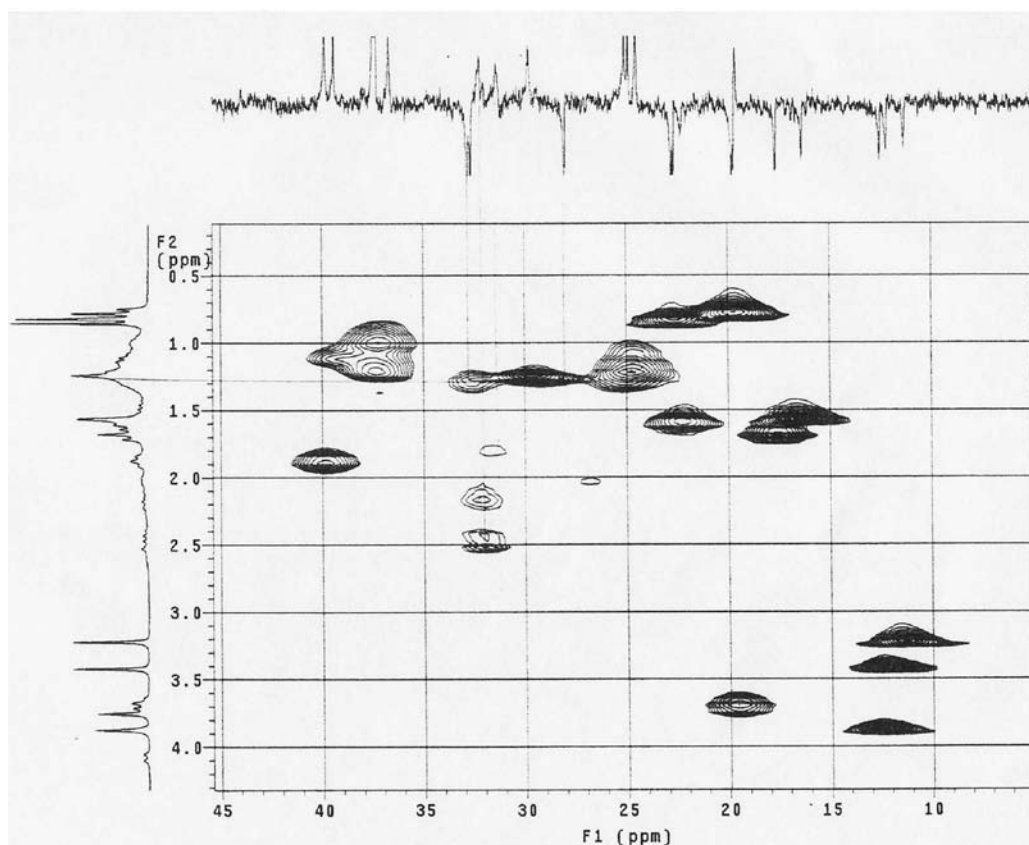


Figure 11S. Expansion of the $^1\text{H} \times ^{13}\text{C}$ -HMQC correlation spectrum of compound **1** (CDCl_3 , 200 and 50 MHz respectively)

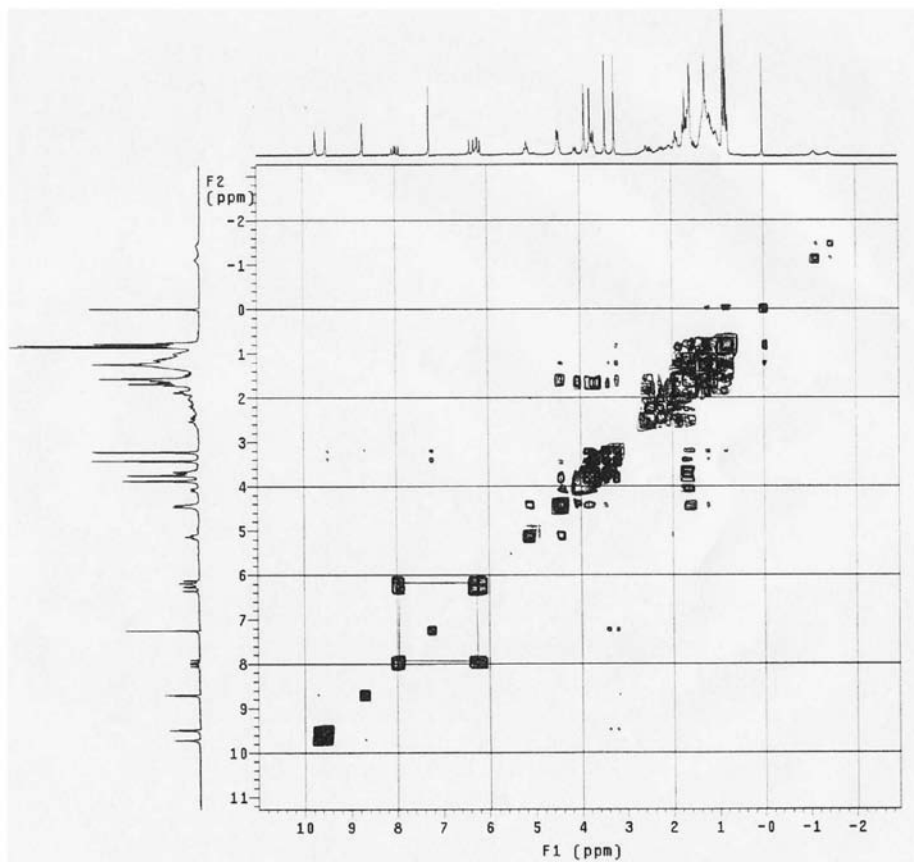


Figure 12S. $^1\text{H} \times ^1\text{H}$ -COSY correlation spectrum of compound **1** (CDCl_3 , 200 MHz)

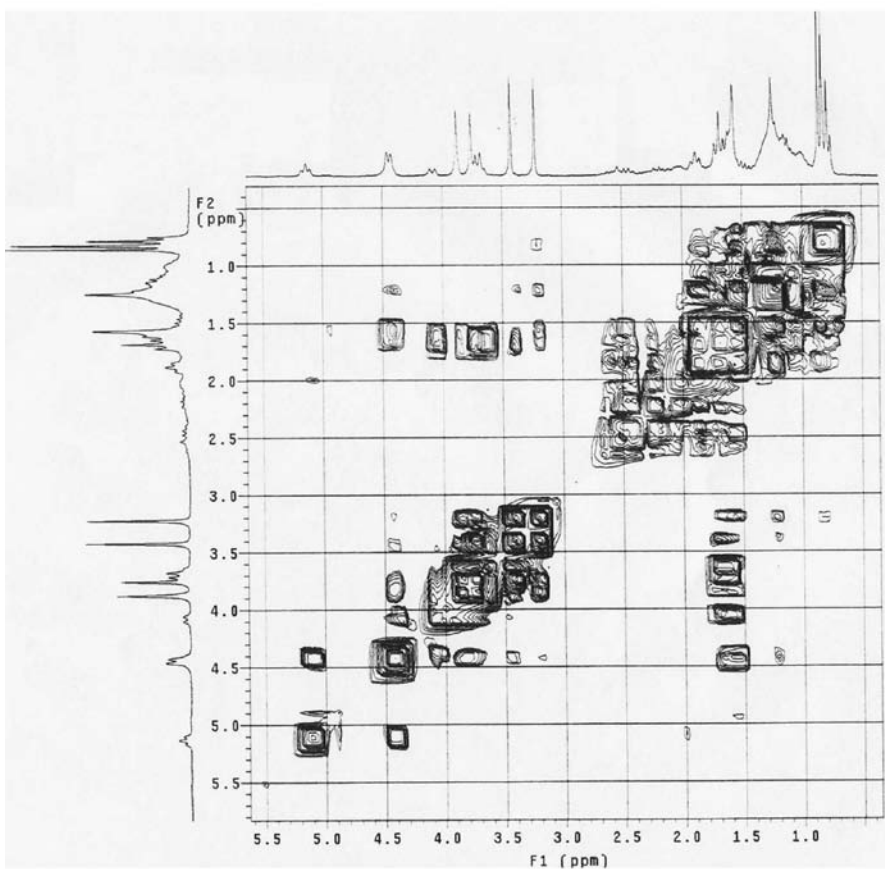


Figure 13S. Expansion of the $^1\text{H} \times ^1\text{H}$ -COSY correlation spectrum of compound **1** (CDCl_3 , 200 MHz)

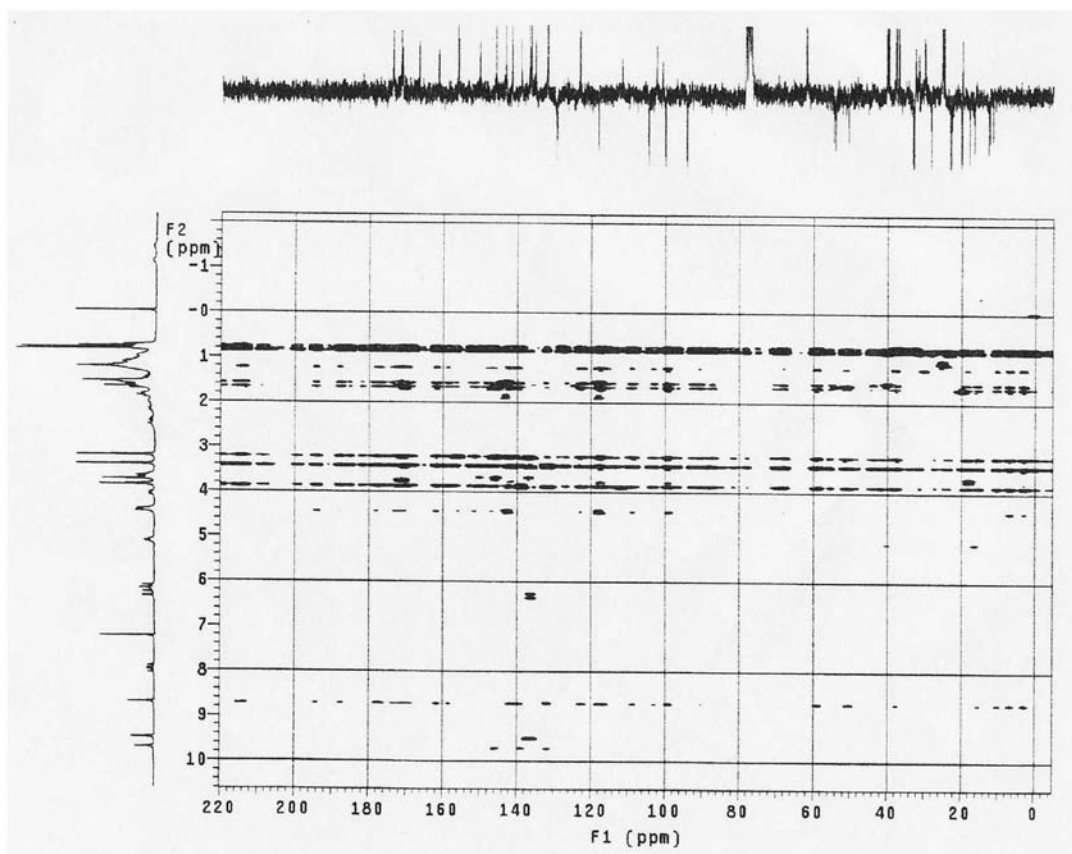


Figure 14S. ¹H x ¹³C-HMBC correlation spectrum of compound **1** (CDCl₃, 200 and 50 MHz respectively)

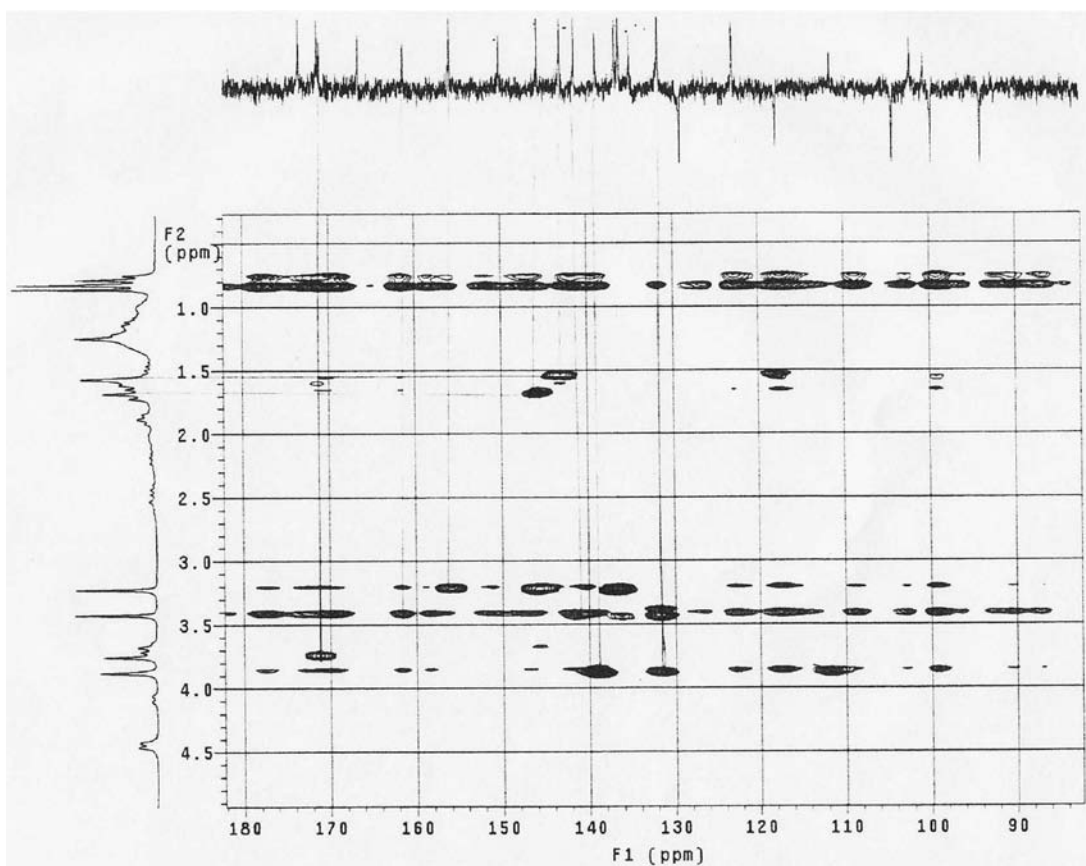


Figure 15S. Expansion of the ¹H x ¹³C-HMBC correlation spectrum of compound **1** (CDCl₃, 200 and 50 MHz respectively)

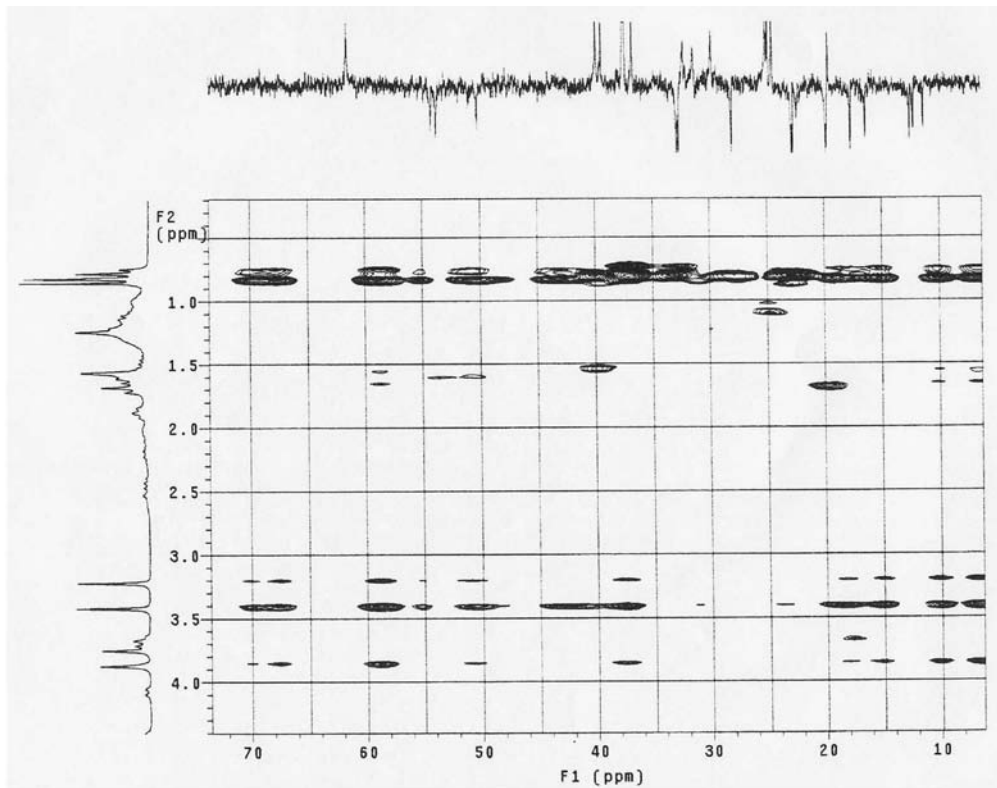


Figure 16S. Expansion of the $^1\text{H} \times ^{13}\text{C}$ -HMBC correlation spectrum of compound 1 (CDCl_3 , 200 and 50 MHz respectively)

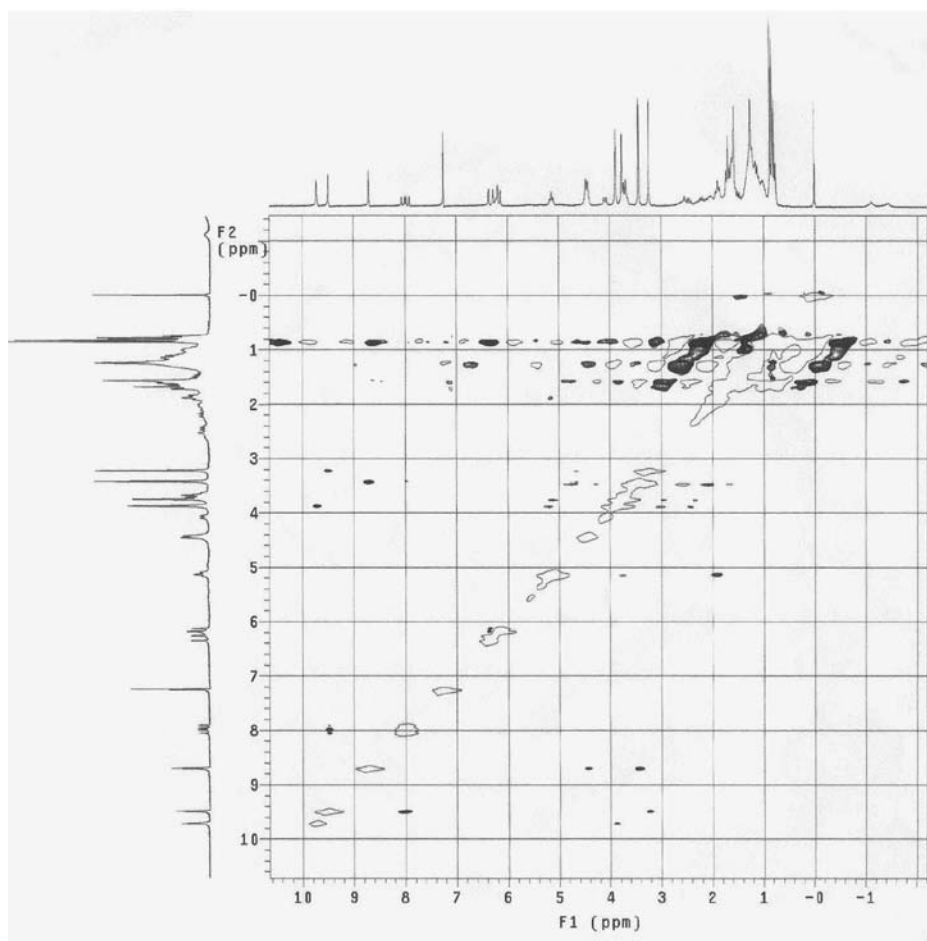


Figure 17S. $^1\text{H} \times ^1\text{H}$ -NOESY spatial correlation spectrum of compound 1 (CDCl_3 , 200 MHz)

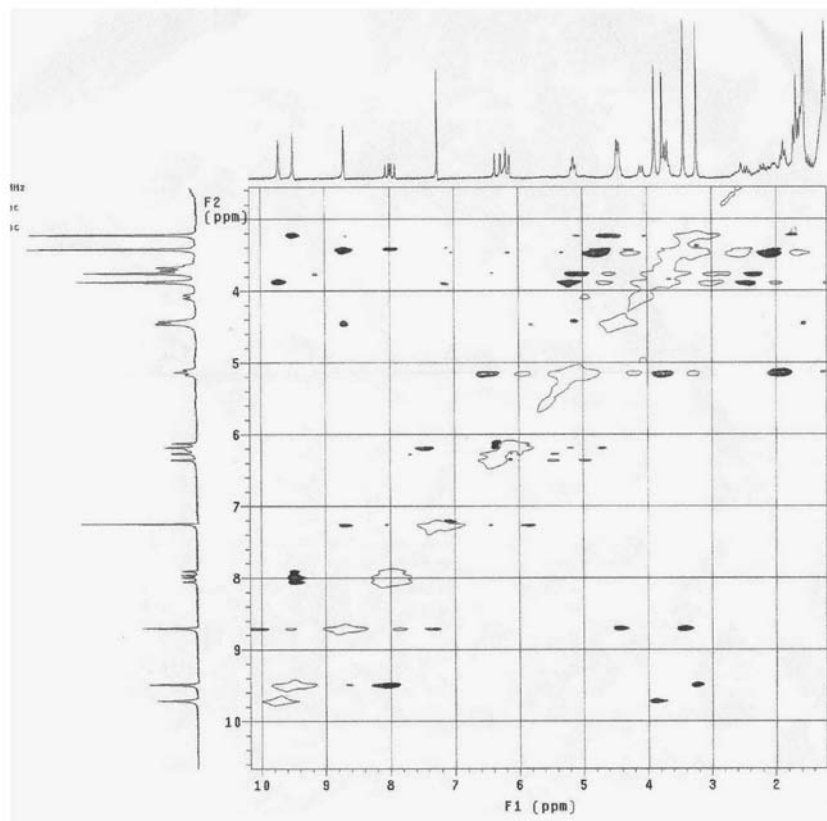


Figure 18S. Expansion of the $^1\text{H} \times ^1\text{H}$ -NOESY spatial correlation spectrum of compound **I** (CDCl_3 , 200 MHz)