

Supplementary Information

Figure S1. ^1H -NMR spectrum of phallusiasterol A (**1**) ($\text{C}_5\text{D}_5\text{N}$, 700 MHz).

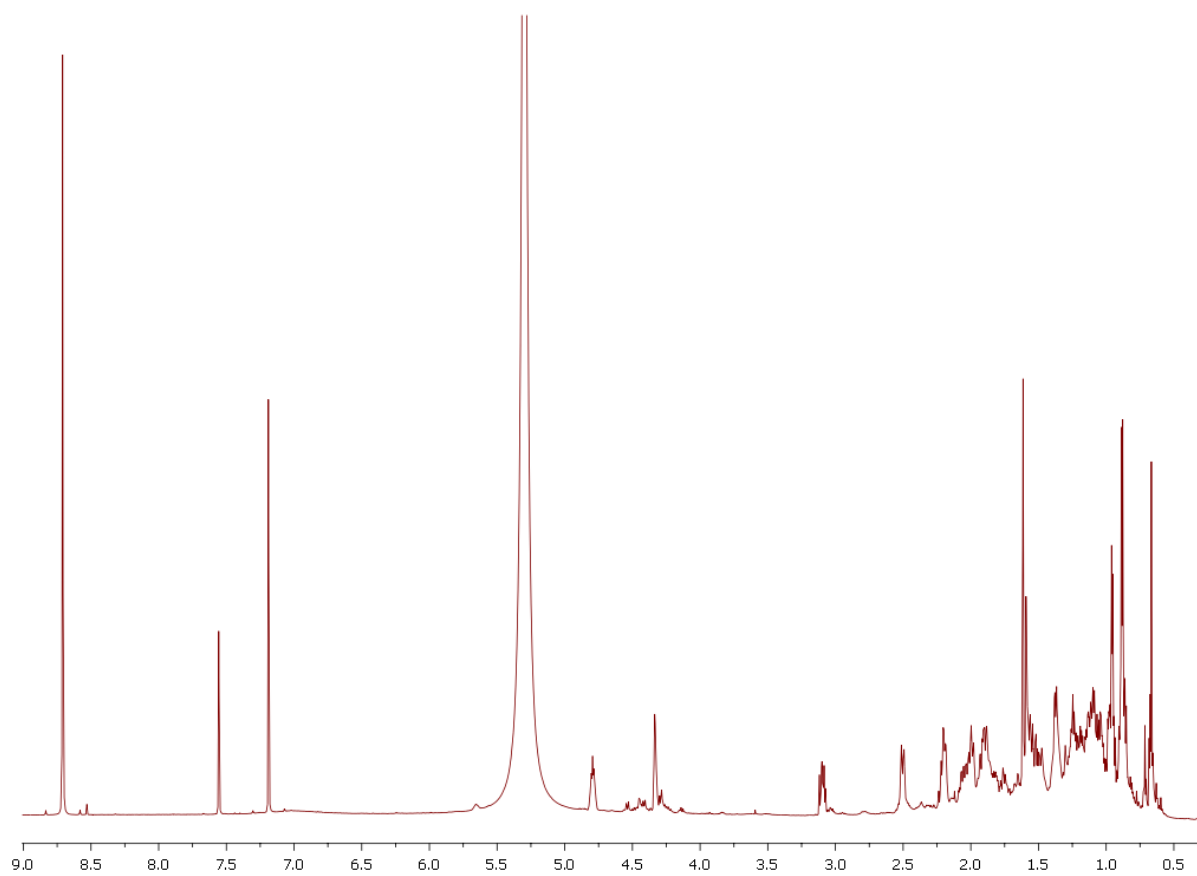


Figure S2. ^{13}C -NMR spectrum of phallusiasterol A (**1**) ($\text{C}_5\text{D}_5\text{N}$, 700 MHz).

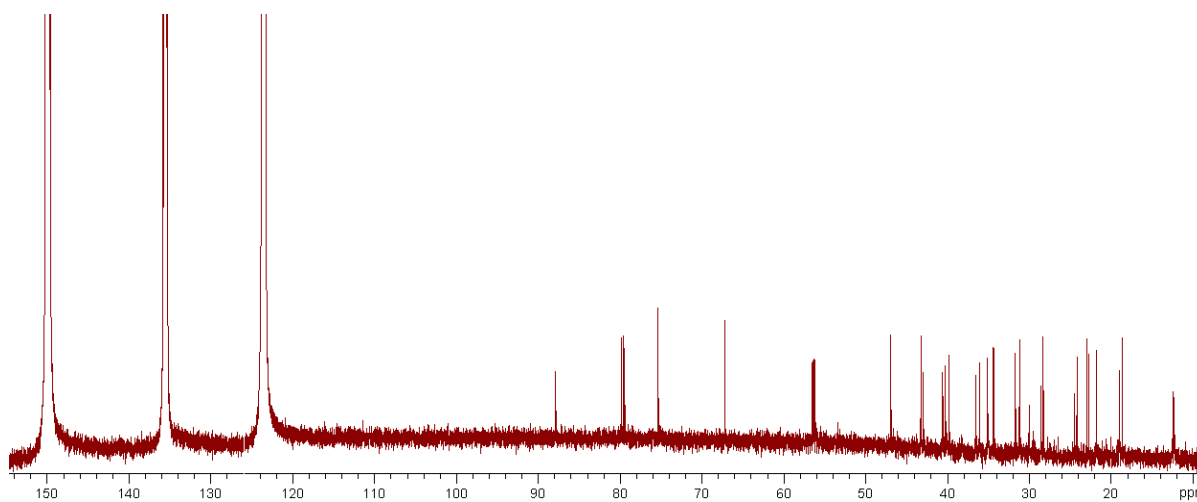


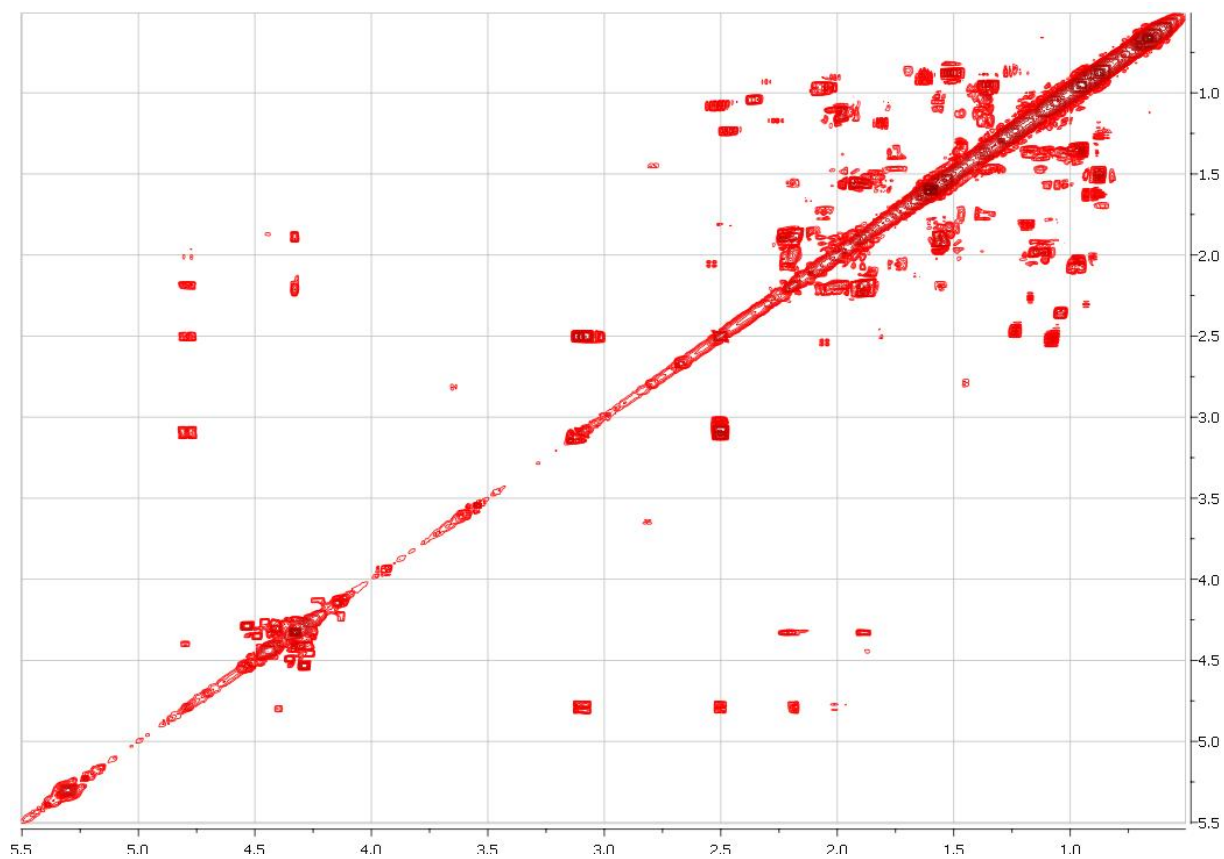
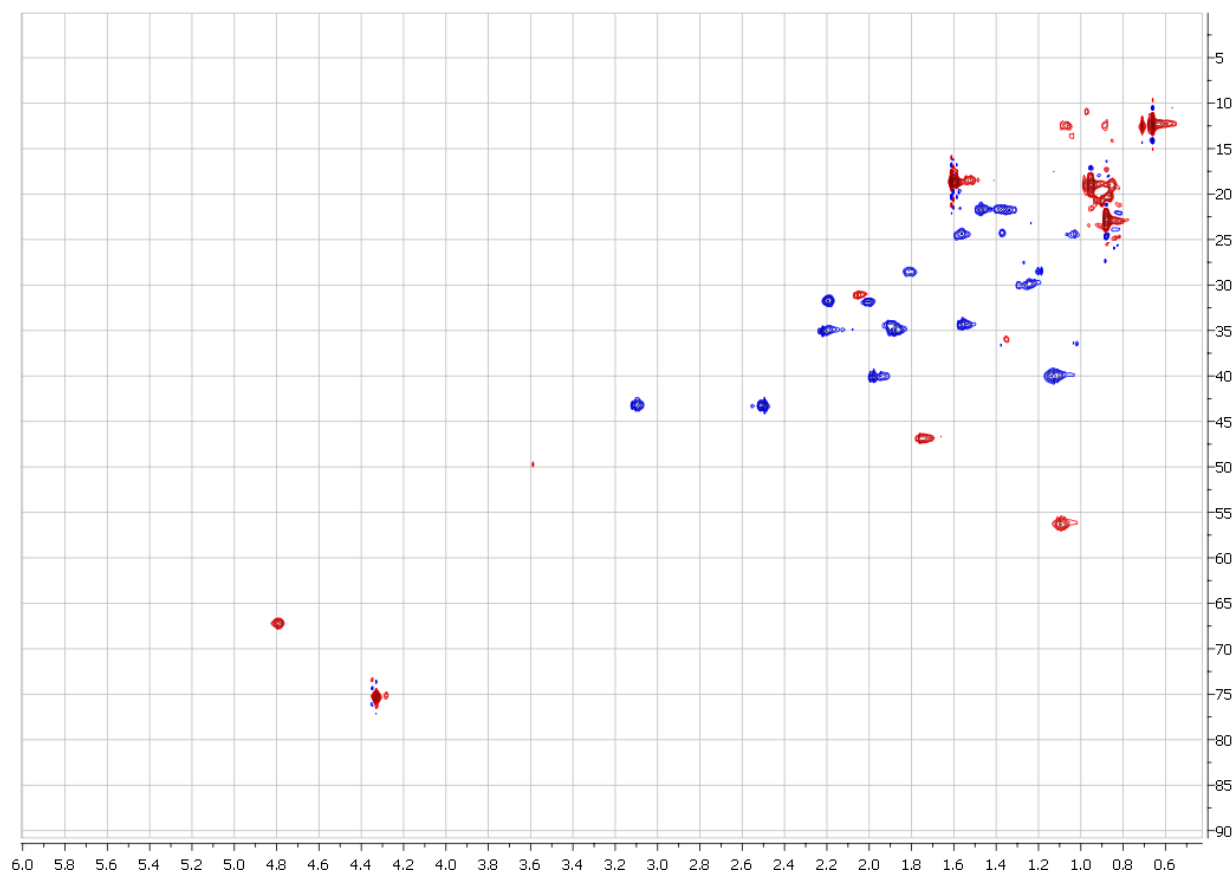
Figure S3. COSY spectrum of phallusiasterol A (1) (C_5D_5N , 700 MHz).**Figure S4.** HSQC spectrum of phallusiasterol A (1) (C_5D_5N , 700 MHz).

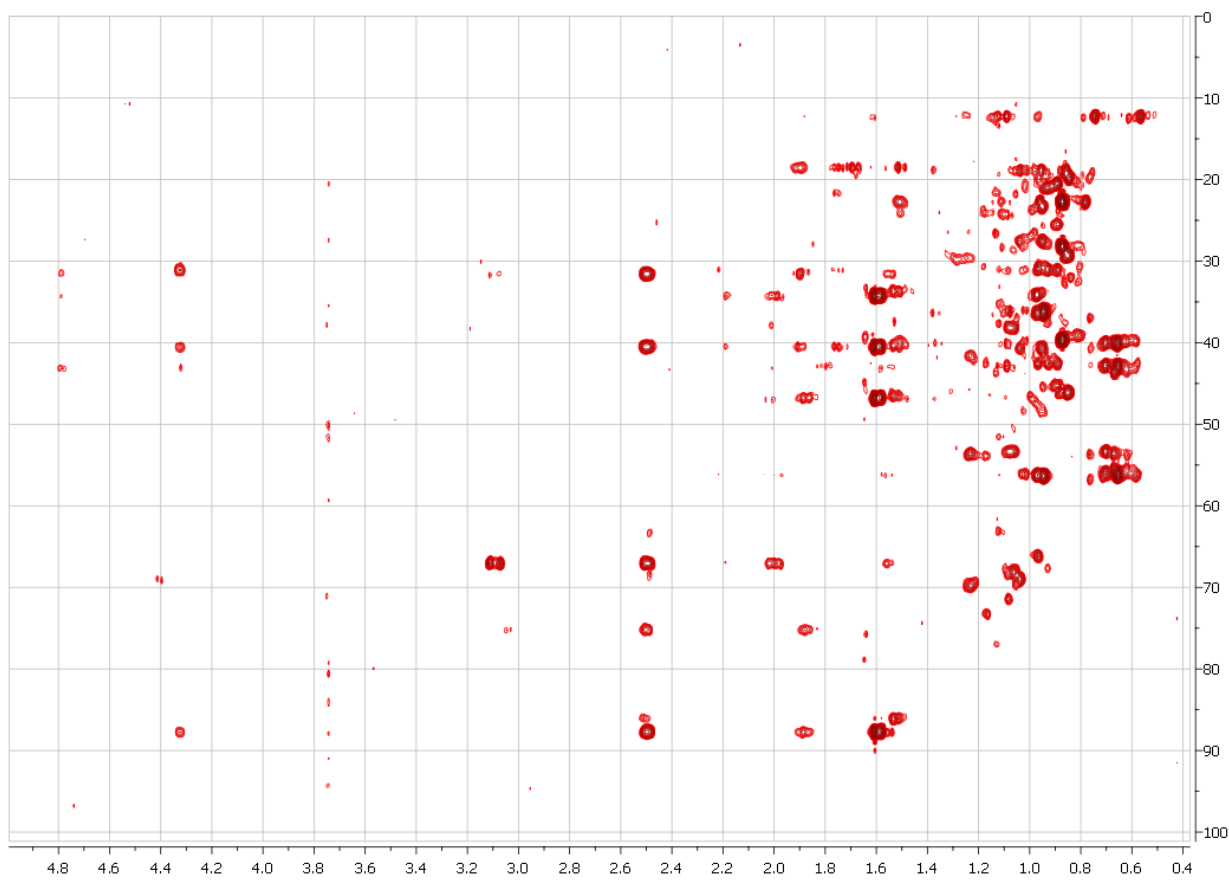
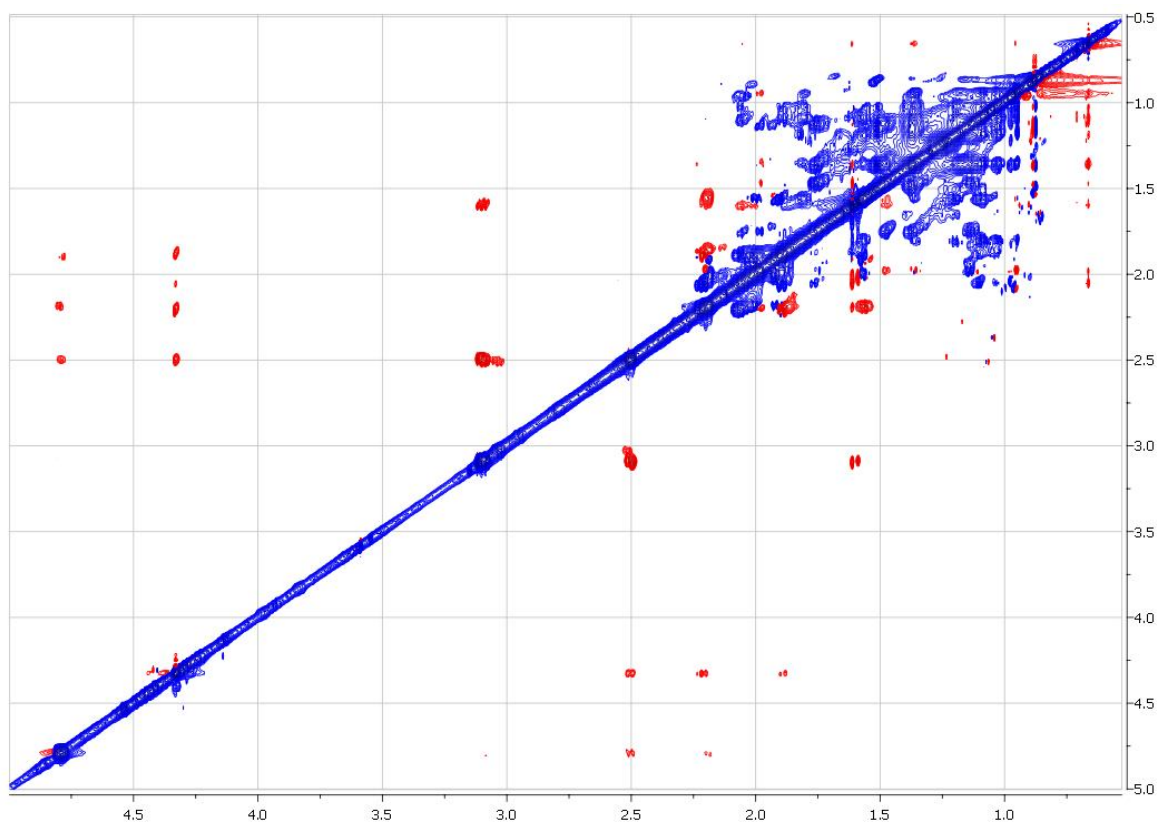
Figure S5. HMBC spectrum of phallusiasterol A (**1**) (C_5D_5N , 700 MHz).**Figure S6.** ROESY spectrum of phallusiasterol A (**1**) (C_5D_5N , 700 MHz).

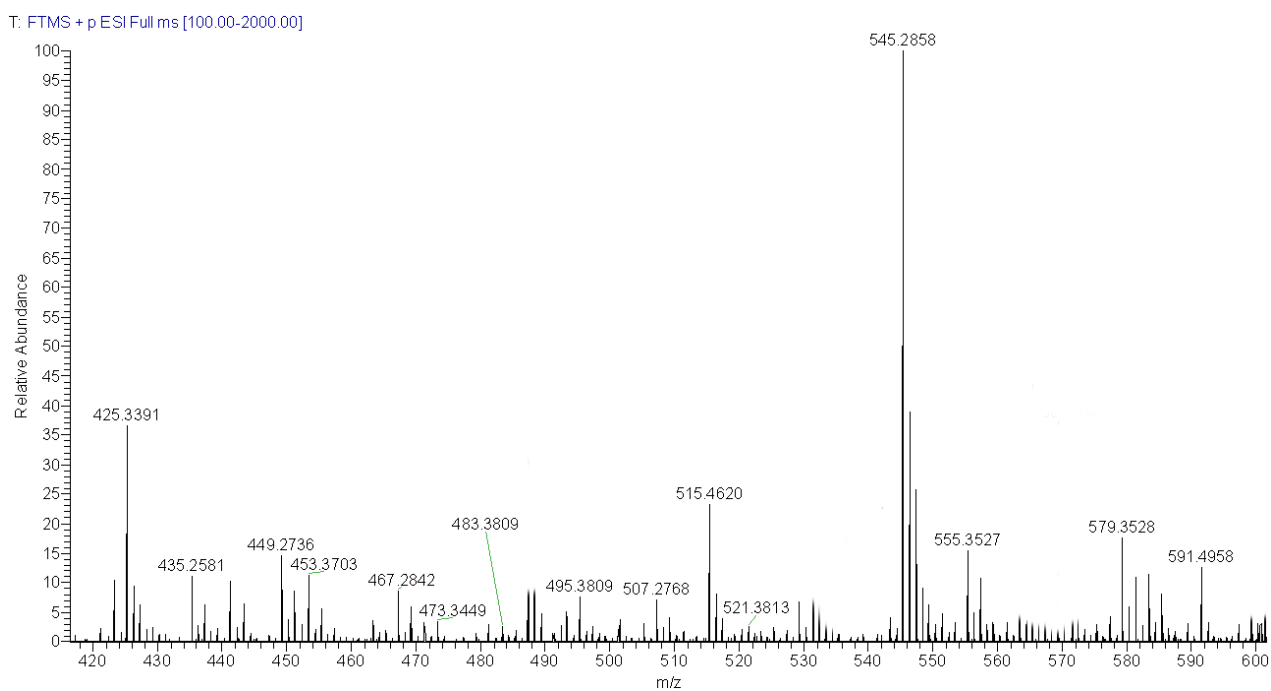
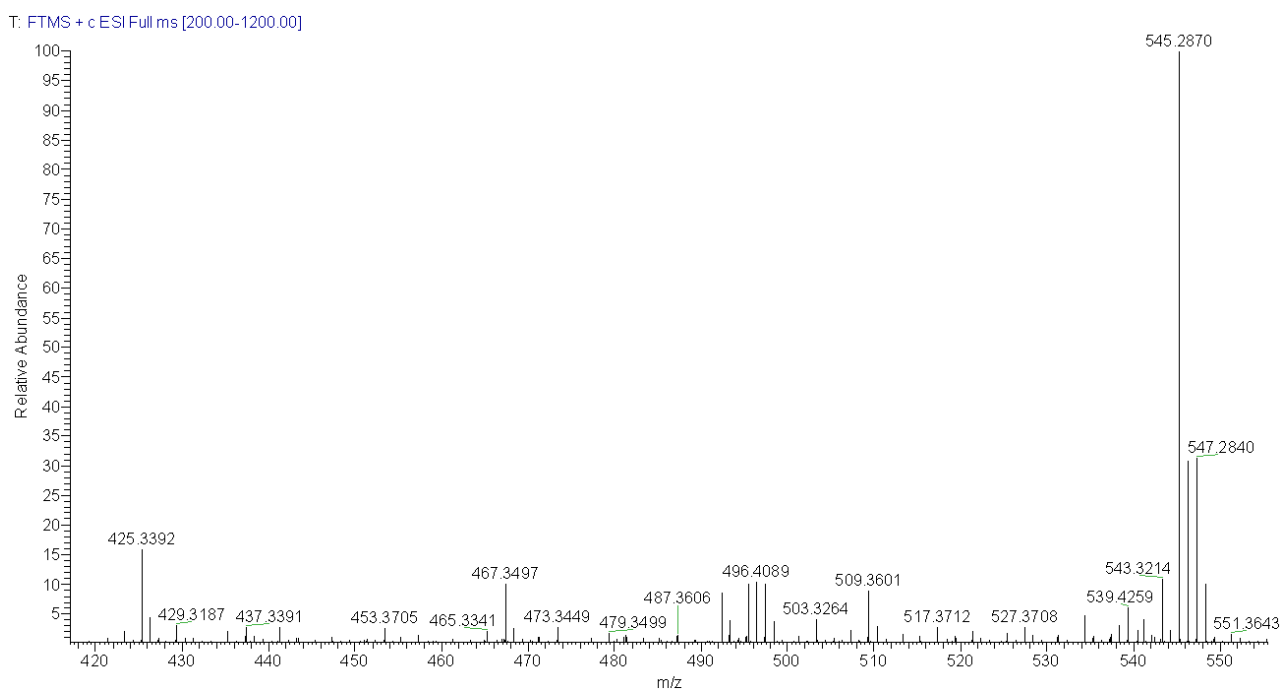
Figure S7. Positive-ion HRESI MS spectrum of phallusiasterol A (1).**Figure S8.** Positive-ion HRESI MS spectrum of phallusiasterol B (2).

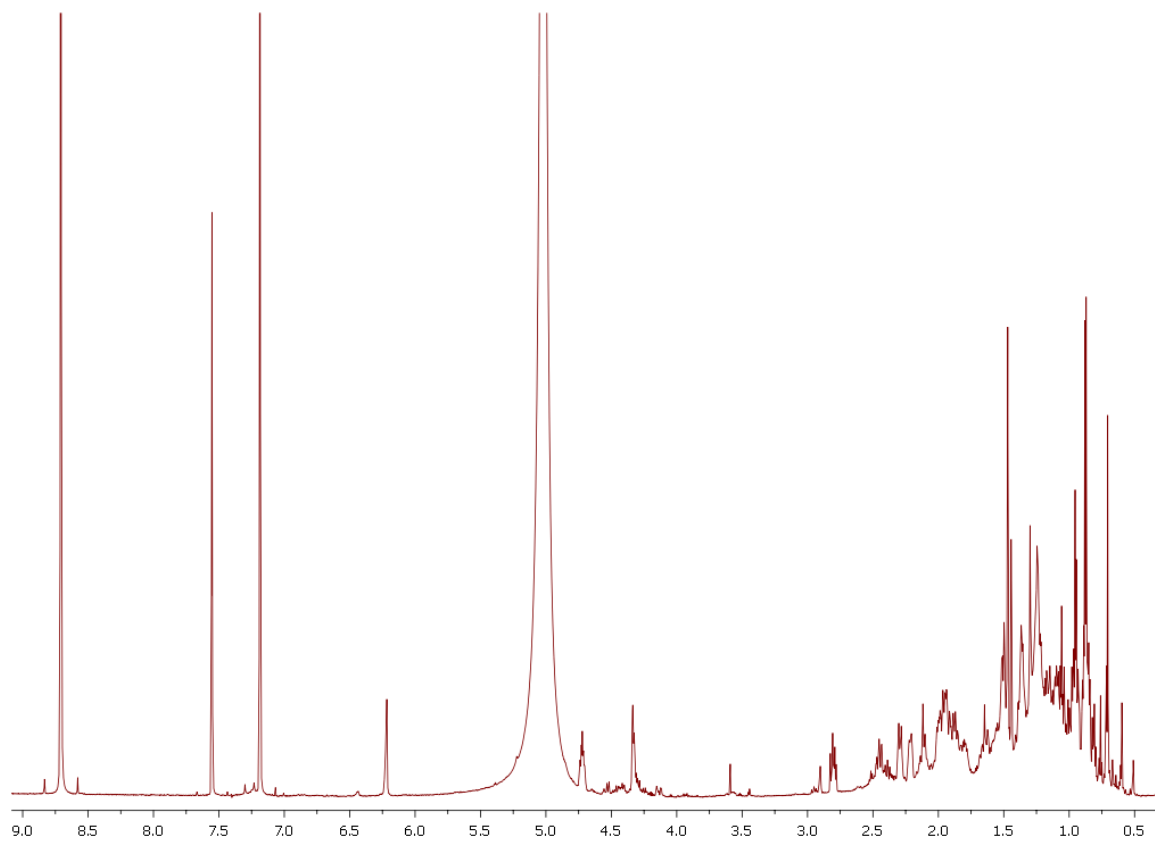
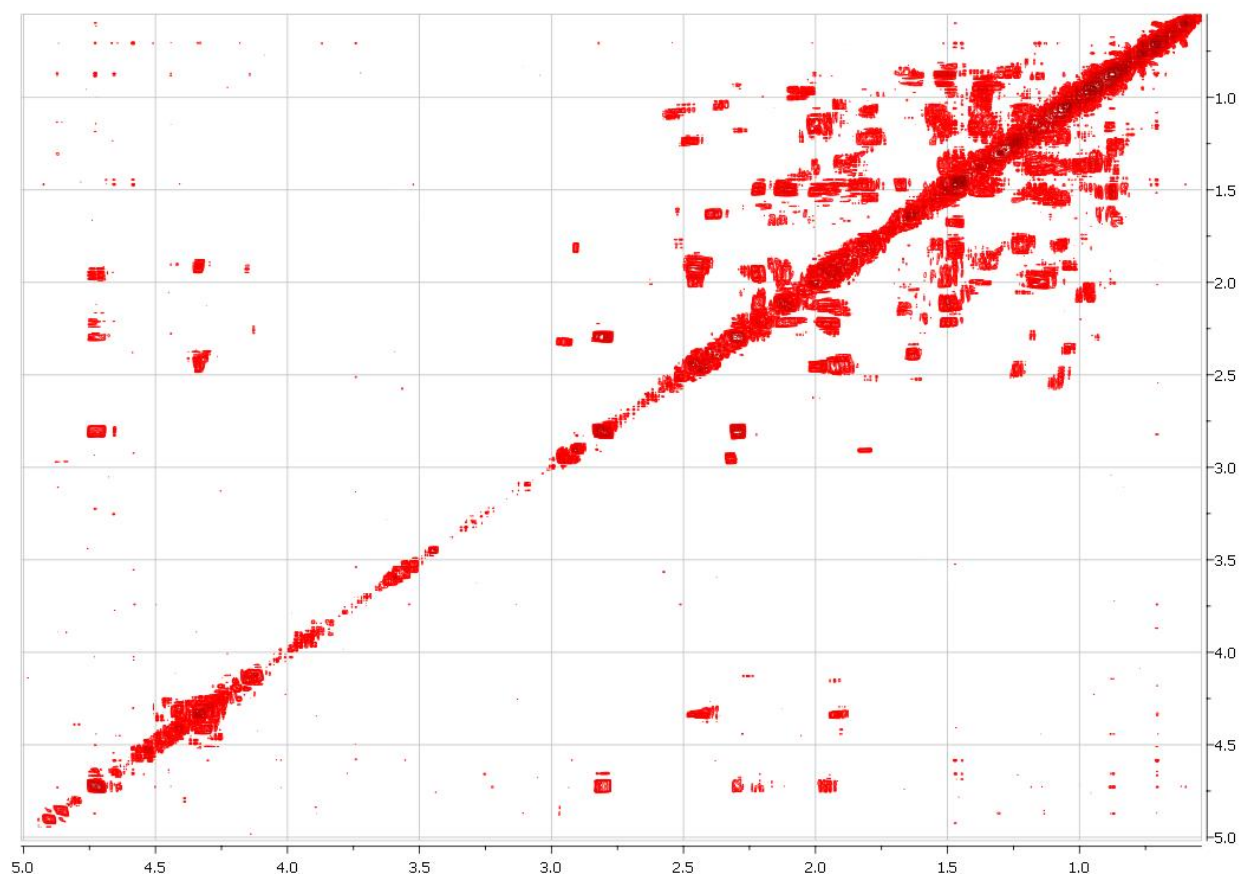
Figure S9. $^1\text{H-NMR}$ spectrum of phallusiasterol B (**2**) ($\text{C}_5\text{D}_5\text{N}$, 700 MHz).**Figure S10.** COSY spectrum of phallusiasterol B (**2**) ($\text{C}_5\text{D}_5\text{N}$, 700 MHz).

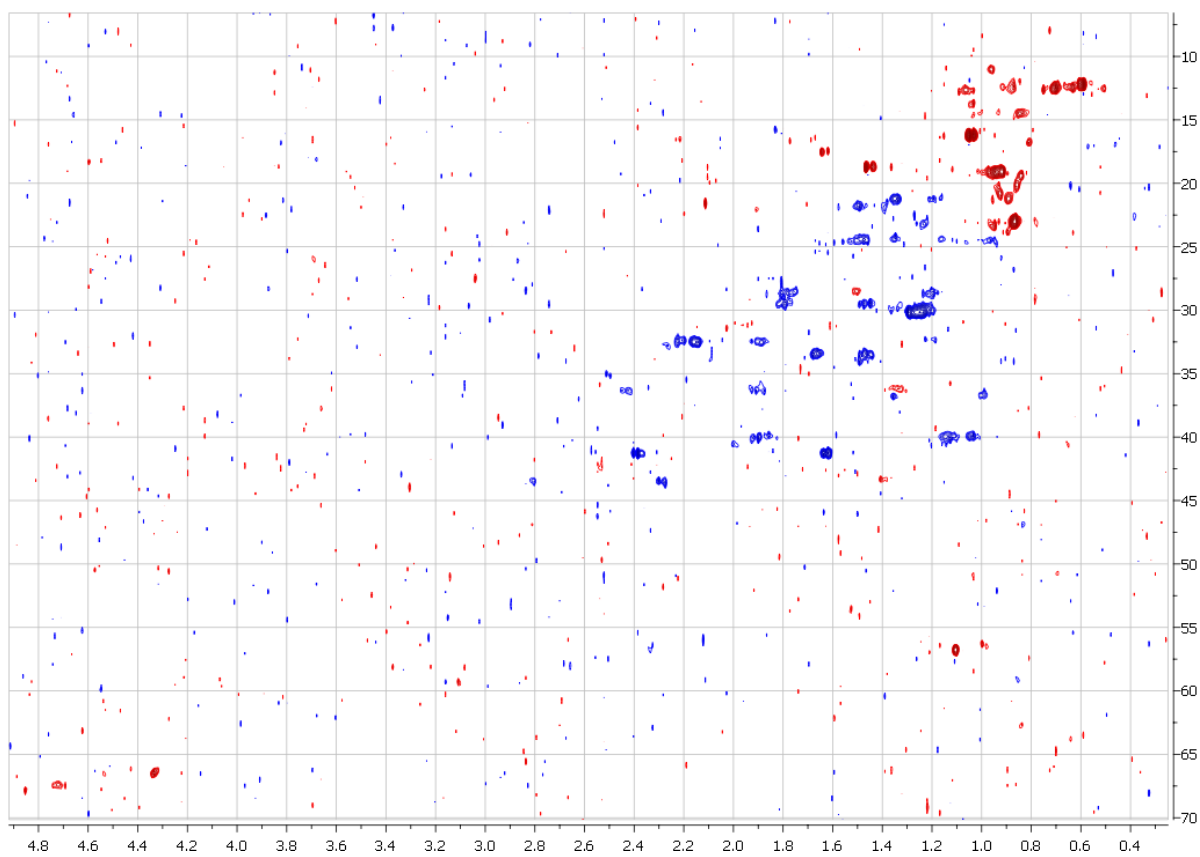
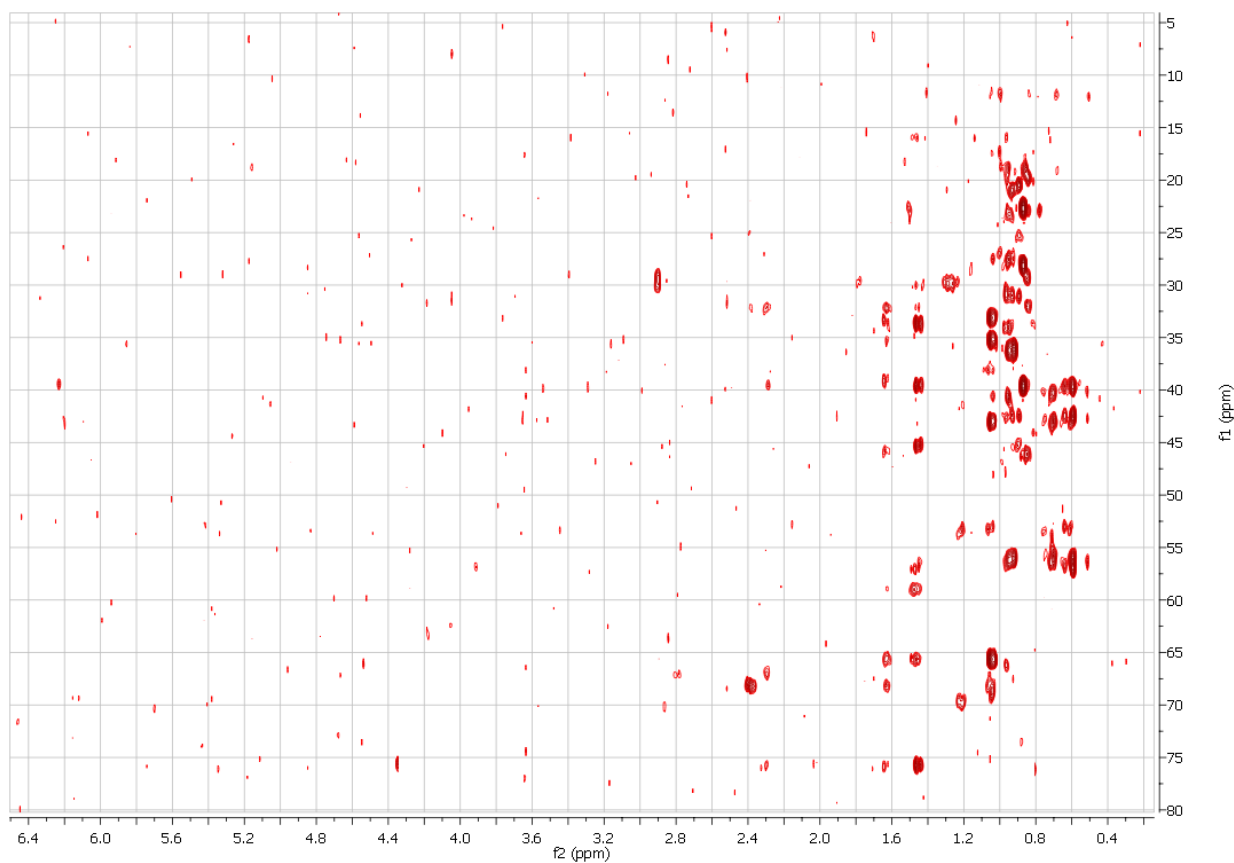
Figure S11. HSQC spectrum of phallusiasterol B (**2**) (C_5D_5N , 700 MHz).**Figure S12.** HMBC spectrum of phallusiasterol B (**2**) (C_5D_5N , 700 MHz).

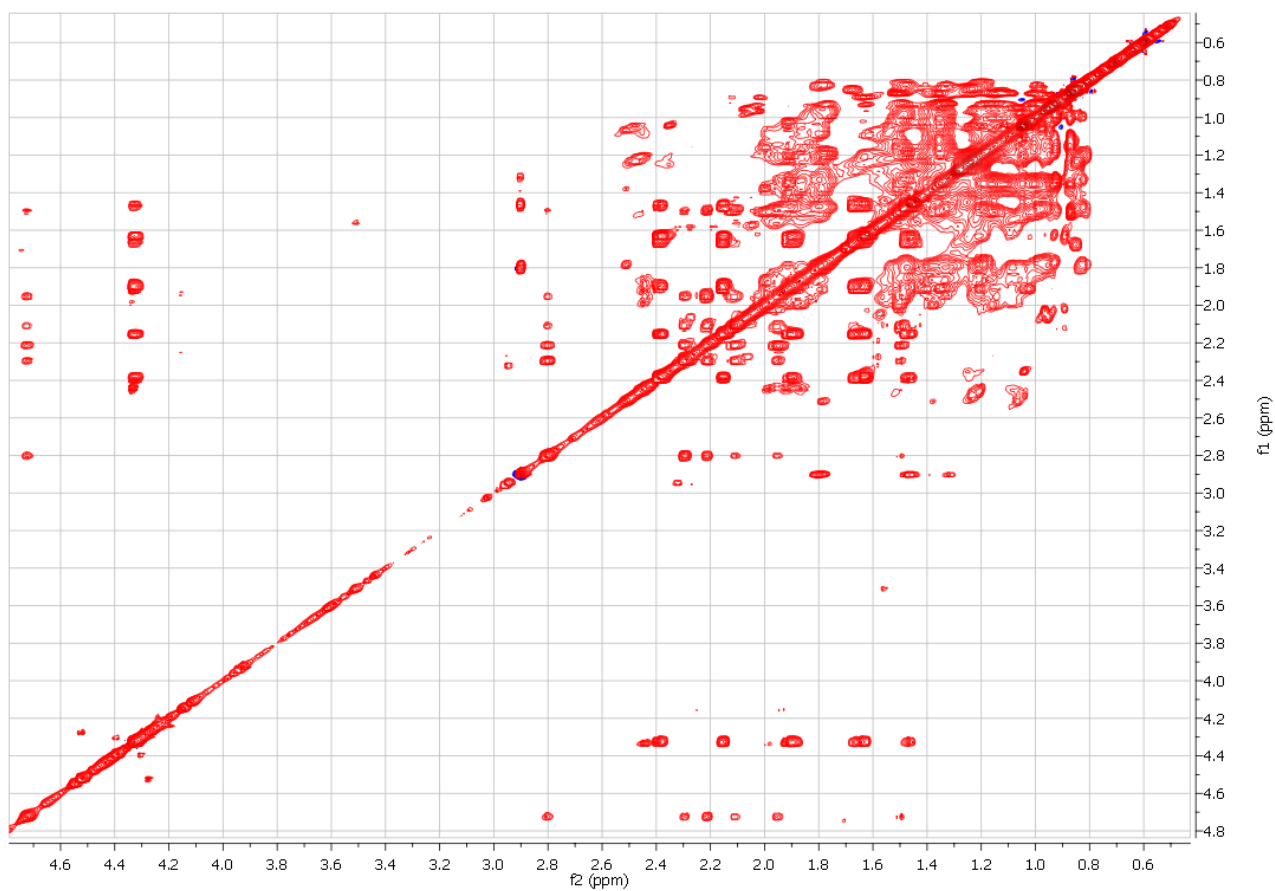
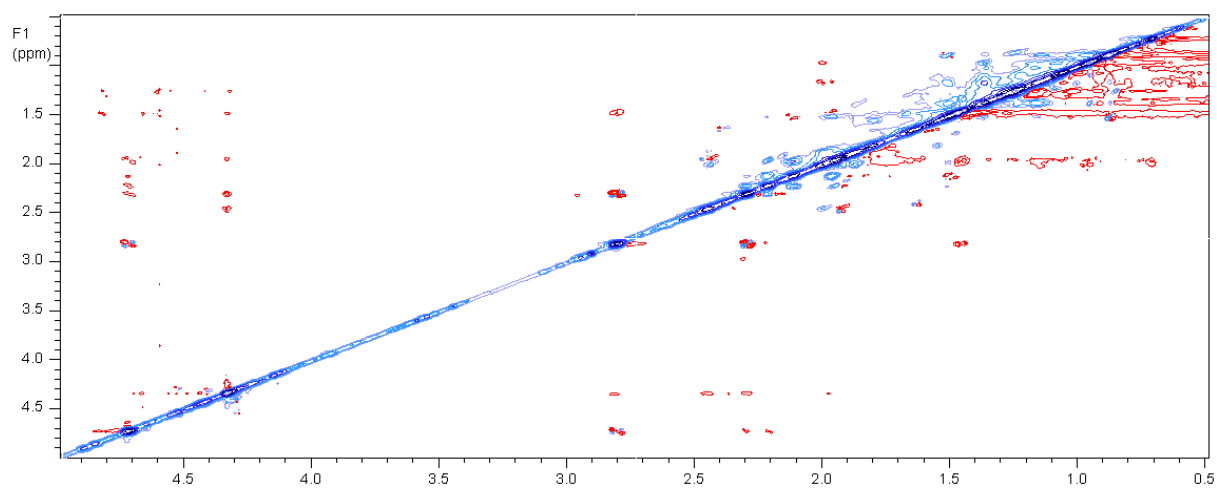
Figure S13. TOCSY spectrum of phallusiasterol B (**2**) (C_5D_5N , 700 MHz).**Figure S14.** ROESY spectrum of phallusiasterol B (**2**) (C_5D_5N , 700 MHz)

Figure S15. ^1H -NMR spectrum of phallusiasterol A (**1**) (CDCl_3 , 700 MHz).

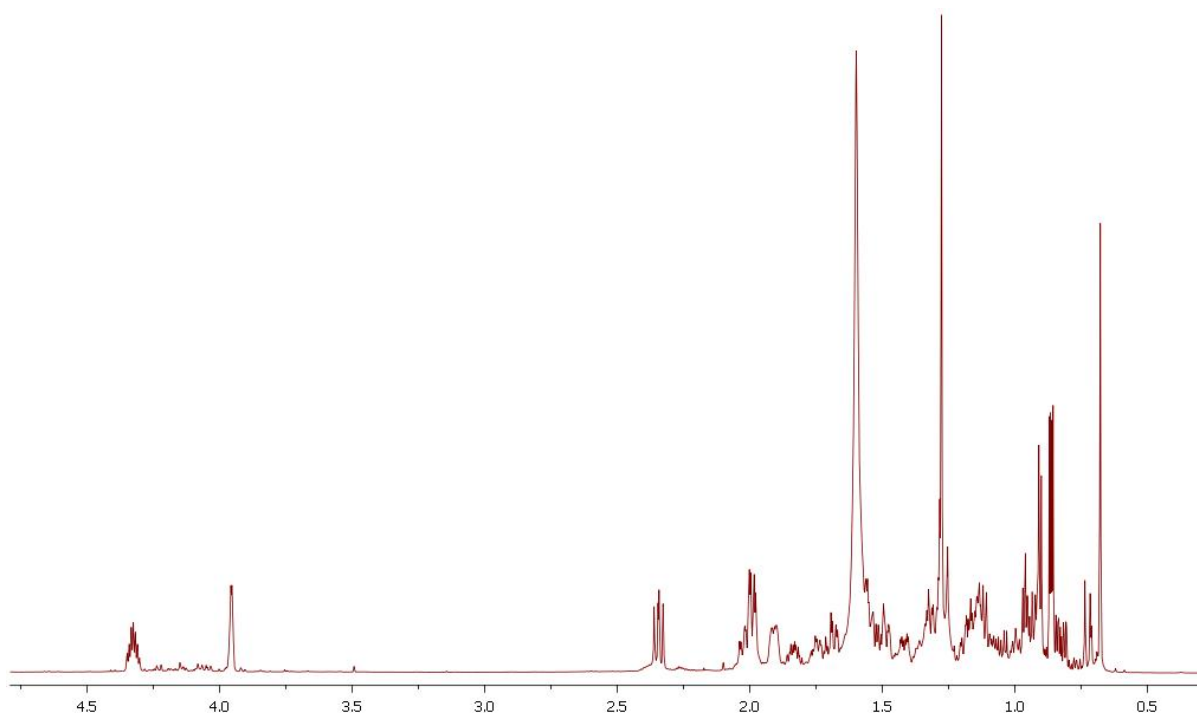


Figure S16. ^{13}C -NMR spectrum of phallusiasterol A (**1**) (CDCl_3 , 700 MHz).

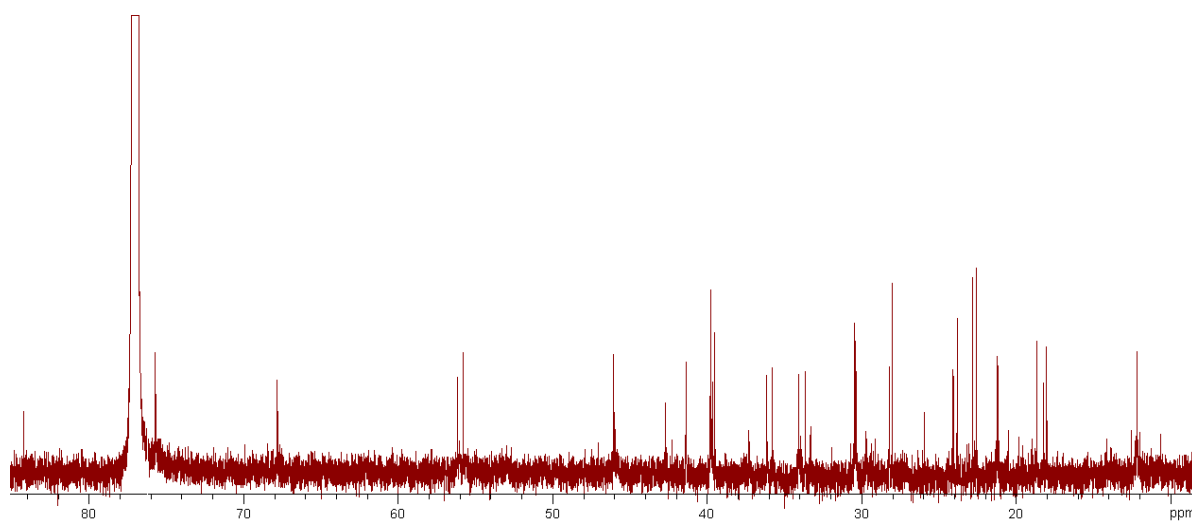


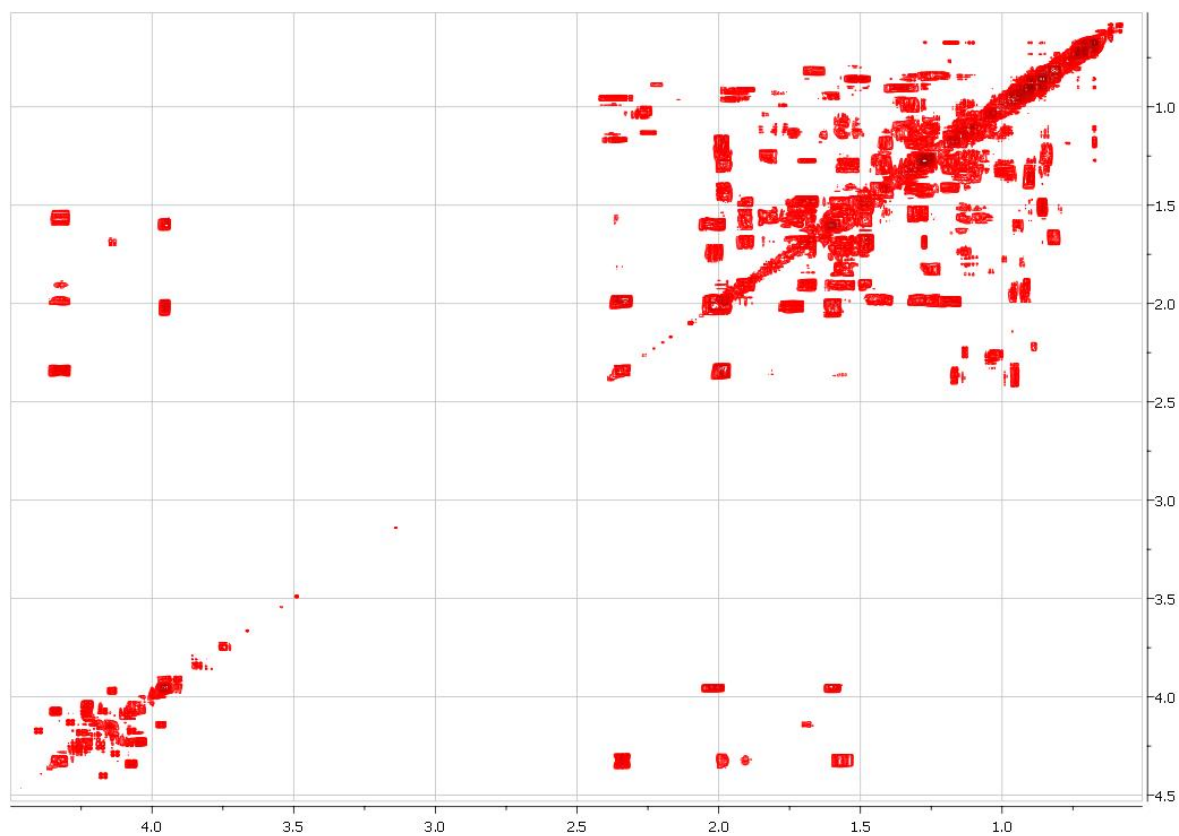
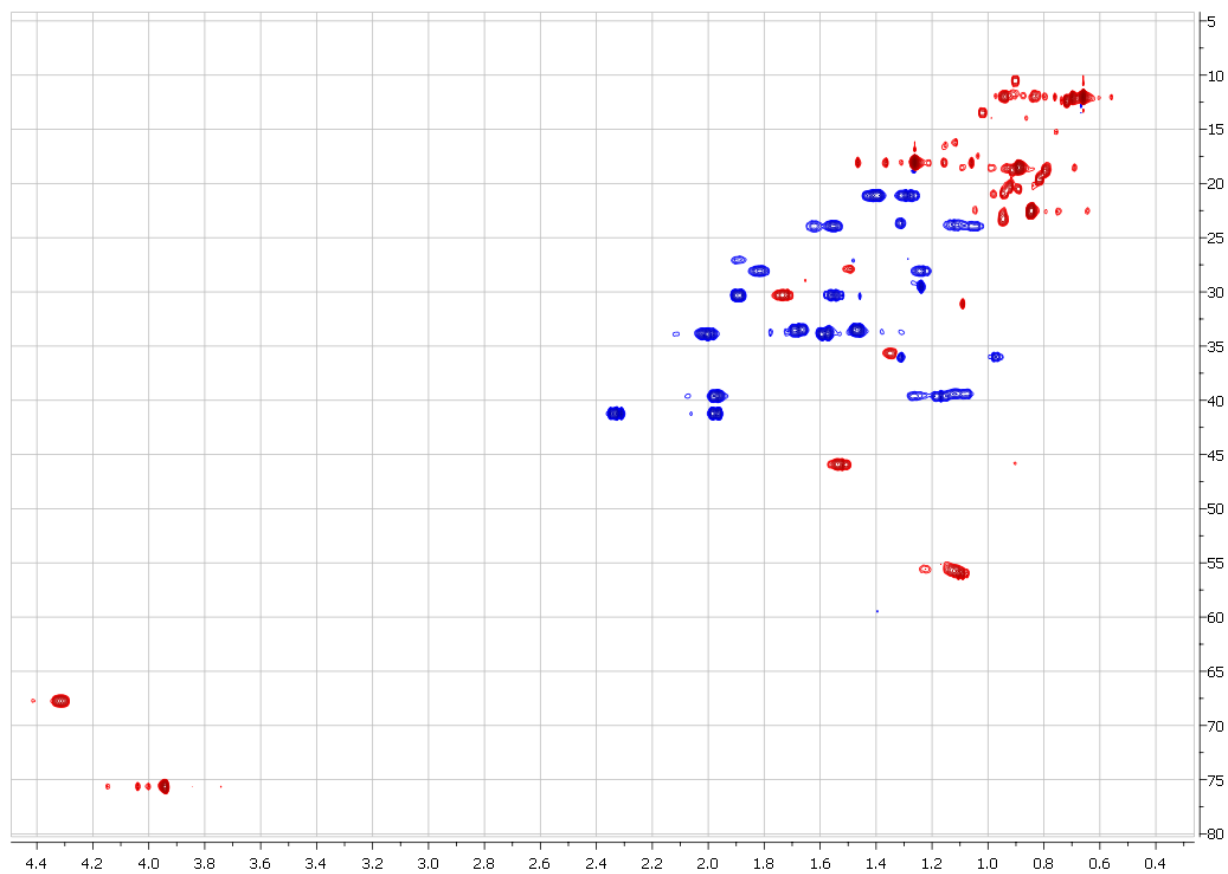
Figure S17. COSY spectrum of phallusiasterol A (**1**) (CDCl₃, 700 MHz).**Figure S18.** HSQC spectrum of phallusiasterol A (**1**) (CDCl₃, 700 MHz).

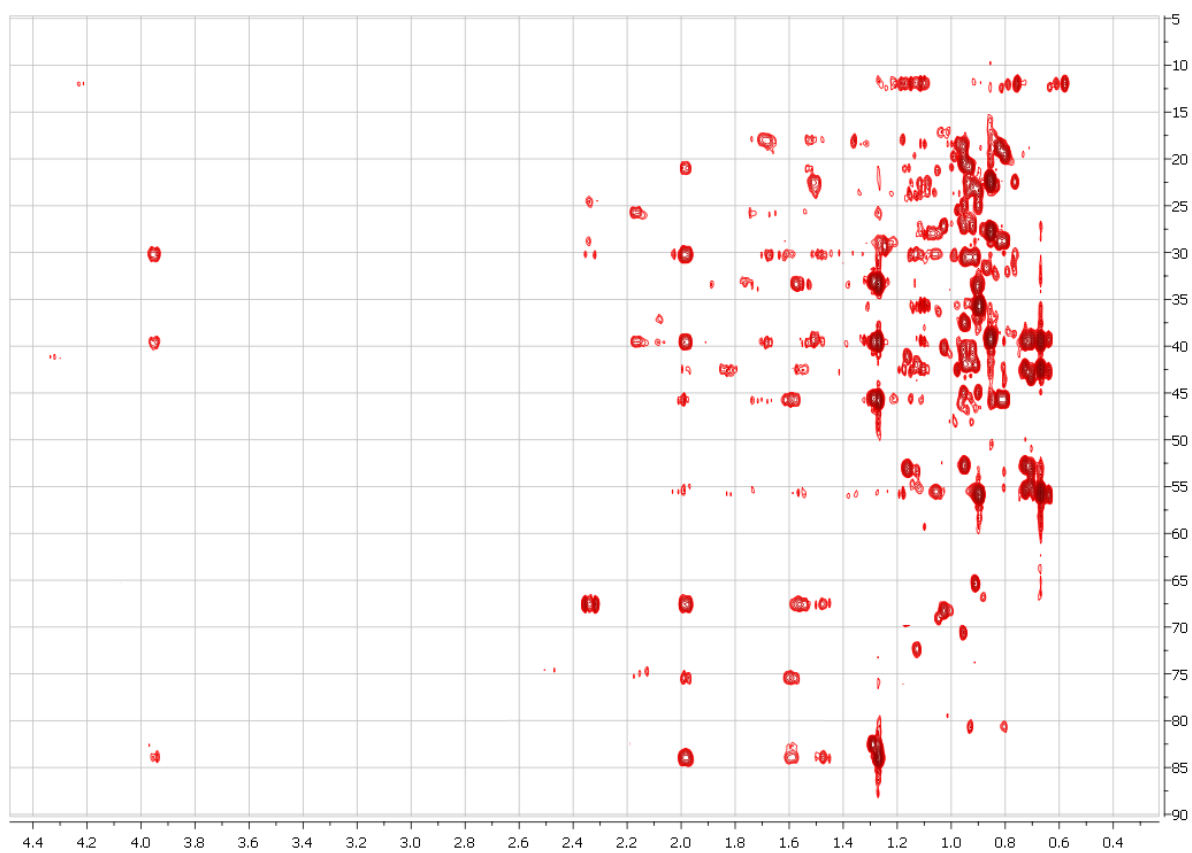
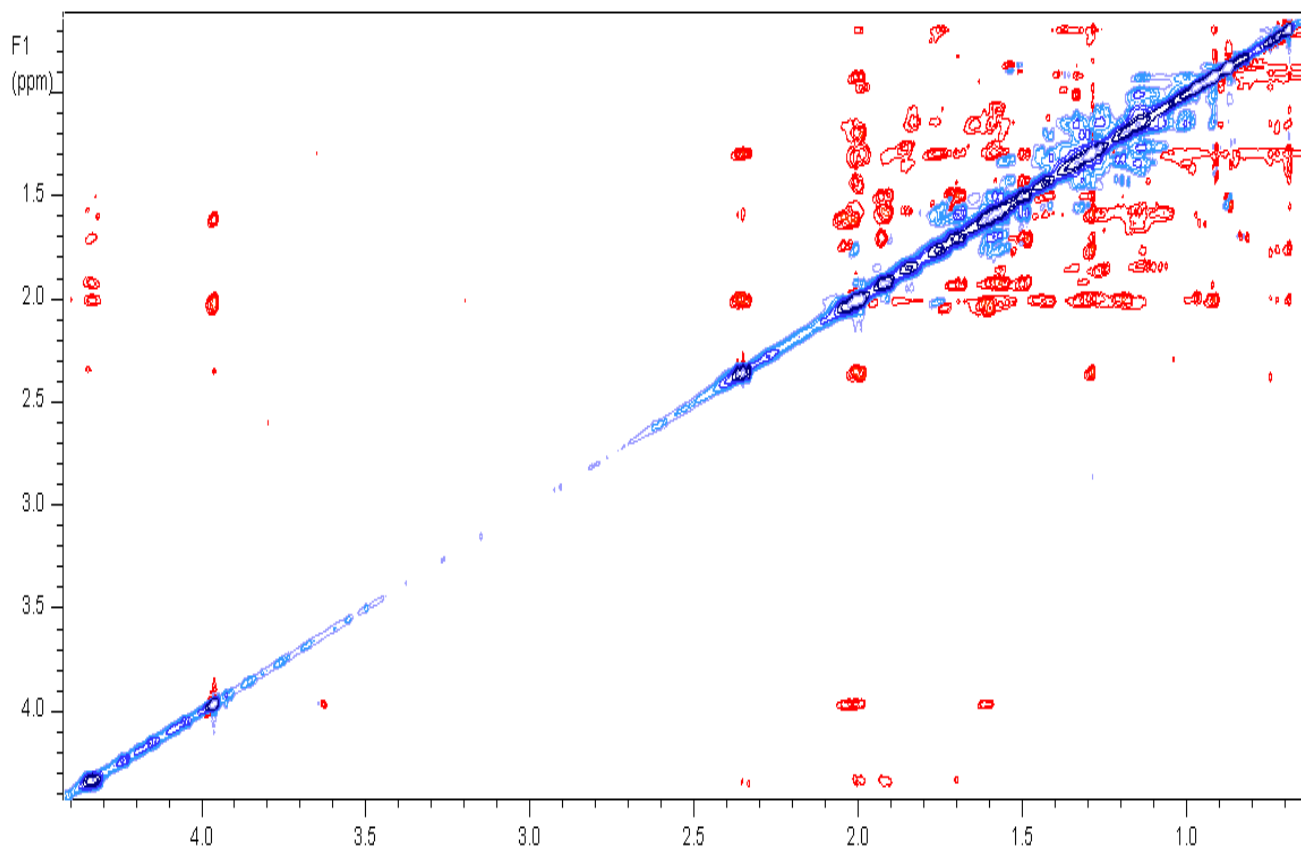
Figure S19. HMBC spectrum of phallusiasterol A (**1**) (CDCl₃, 700 MHz).**Figure S20.** ROESY spectrum of phallusiasterol A (**1**) (CDCl₃, 700 MHz).

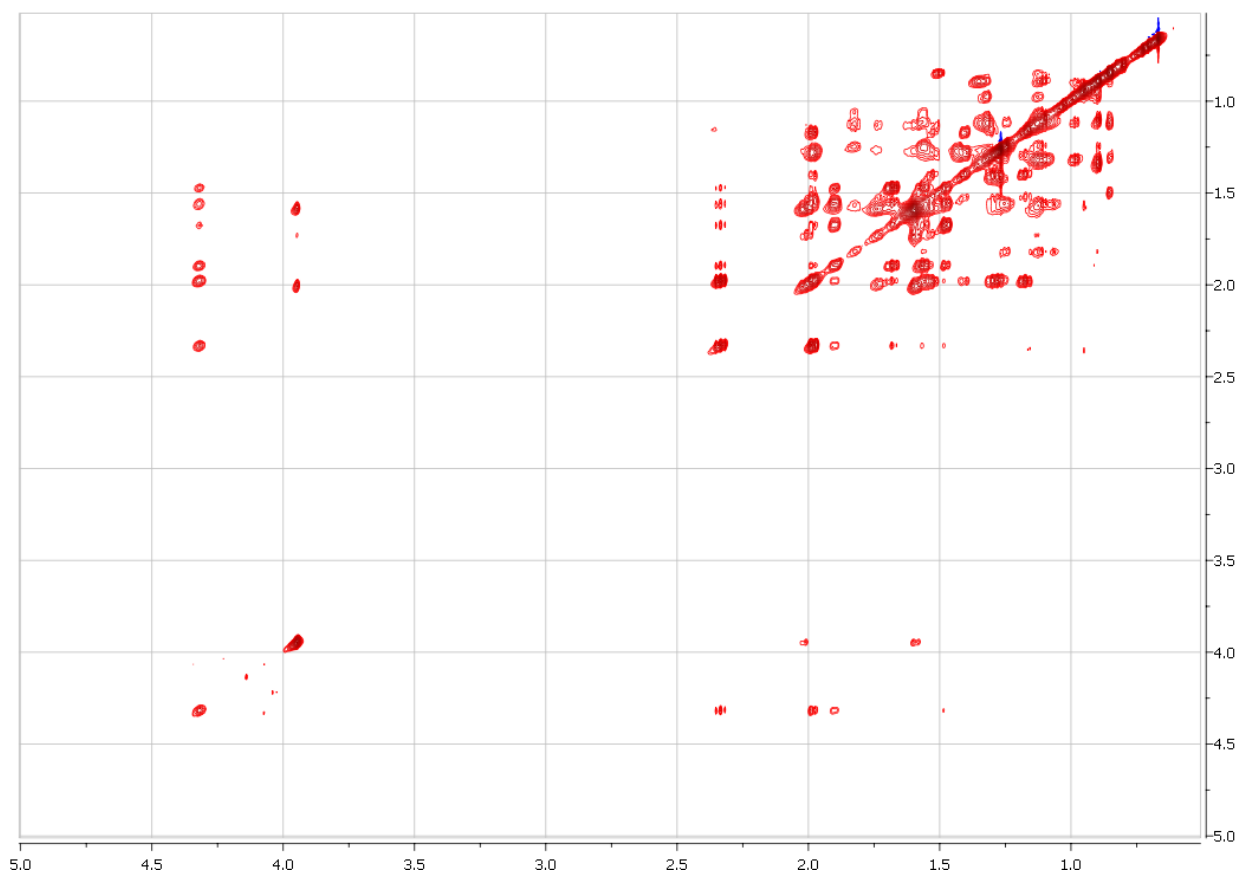
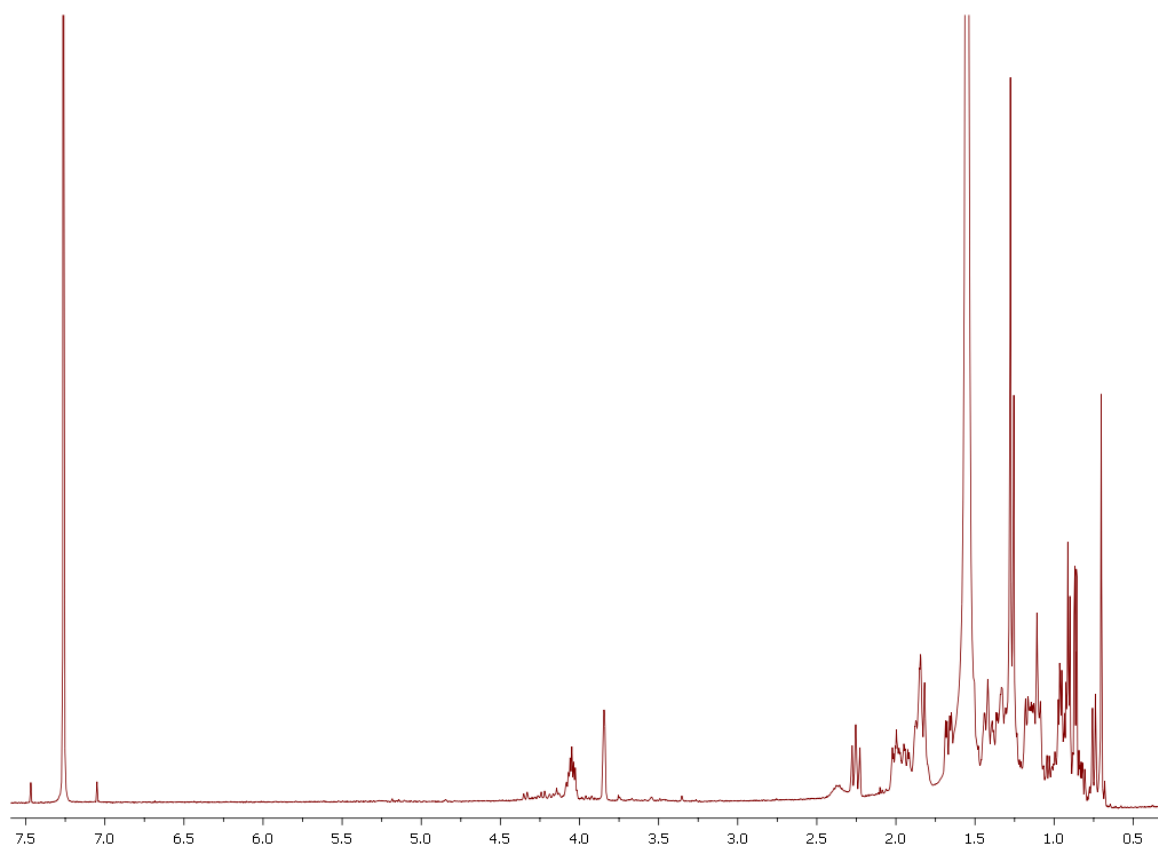
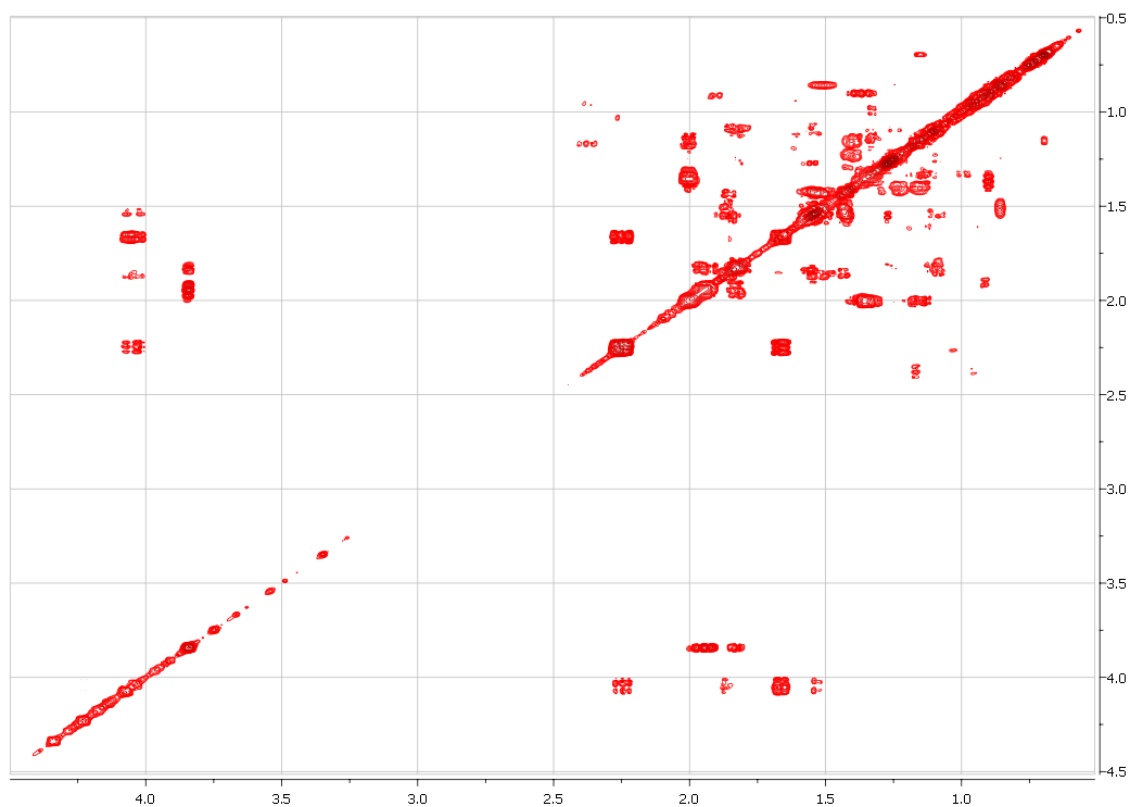
Figure S21. TOCSY spectrum of phallusiasterol A (**1**) (CDCl₃, 700 MHz).**Figure S22.** ¹H-NMR spectrum of phallusiasterol B (**2**) (CDCl₃, 500 MHz).

Figure S23. COSY spectrum of phallusiasterol B (**2**) (CDCl_3 , 500 MHz).**Figure S24.** ^1H -NMR spectrum of compound **3** (C_6D_6 , 700 MHz).