

Supporting Information

Ipomotaosides A - D, Resin Glycosides from the Aerial Parts of Ipomoea batatas and their Inhibitory Activity against COX-1 and COX-2

Kazuko Yoshikawa,* Chiho Yagi, Hiroshi Hama, Masami Tanaka, Shigenobu Arihara, and Toshihiro Hashimoto

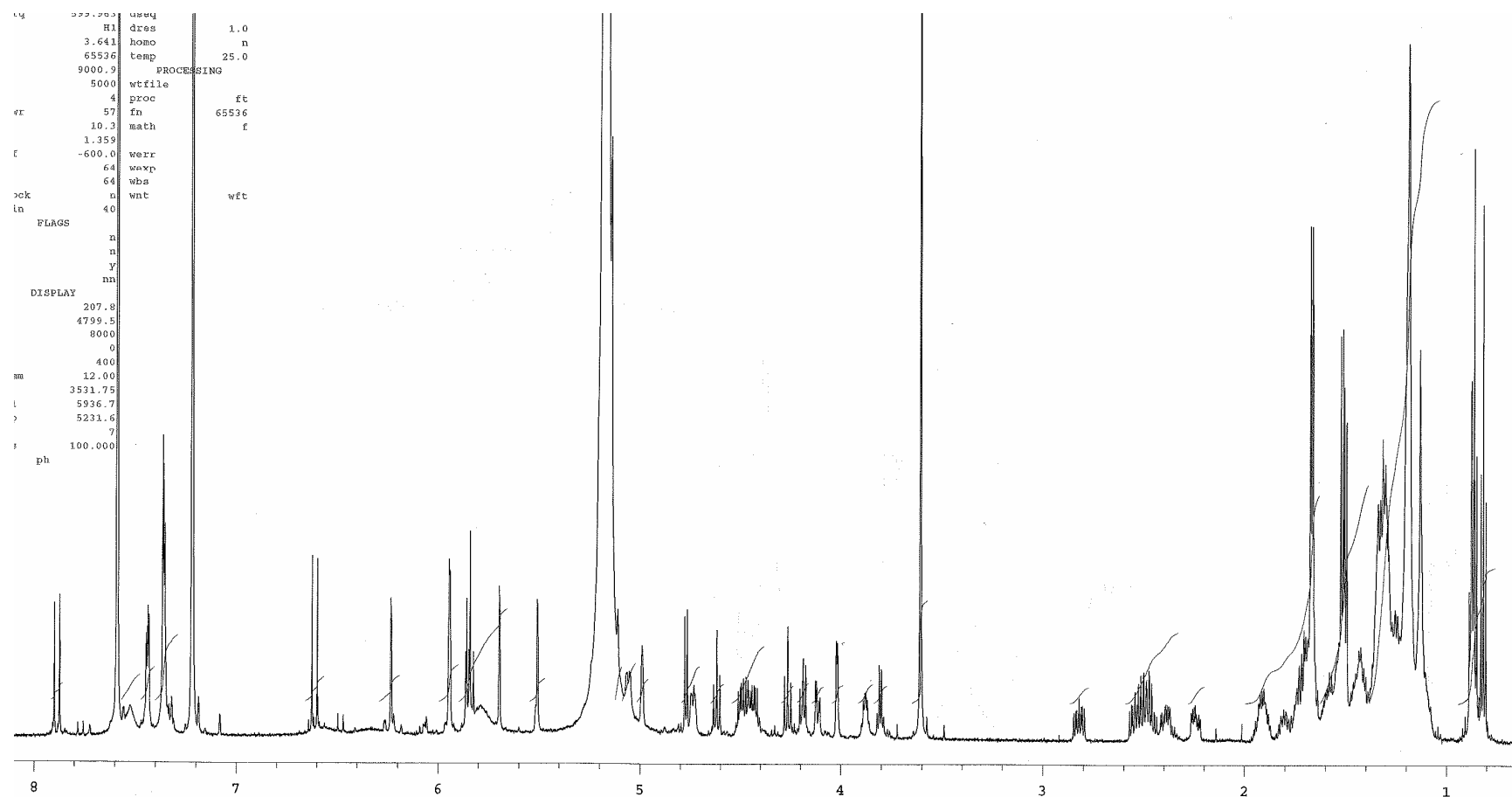
Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Yamashiro-Cho, Tokushima 770-8514, Japan

Contents of Supporting Information

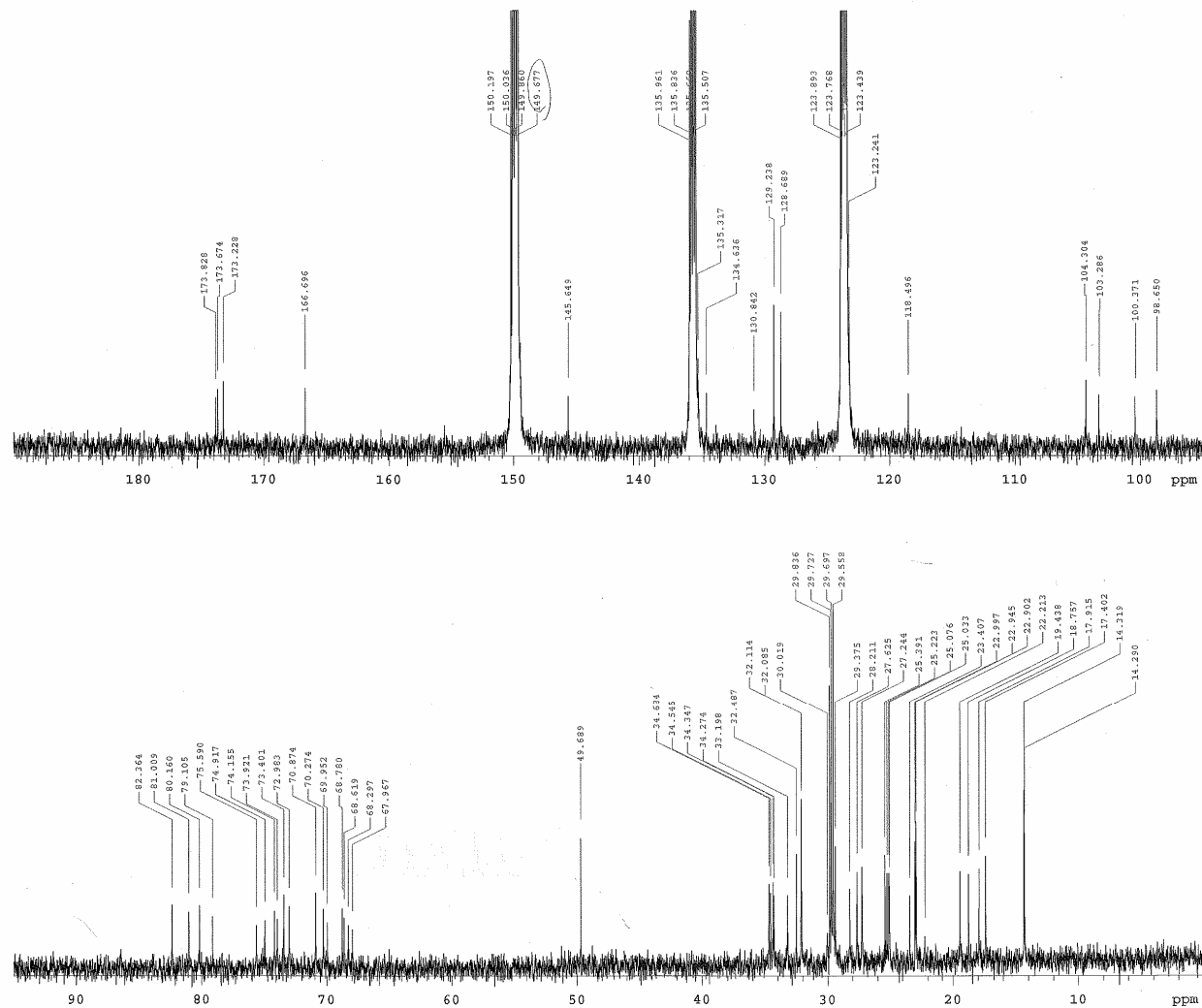
	page
S1. ^1H NMR spectrum (600 MHz) of Ipomotaoside A (1) in $\text{C}_5\text{D}_5\text{N}$.	4
S2. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside A (1) in $\text{C}_5\text{D}_5\text{N}$.	5
S3. COSY spectrum (600 MHz) of Ipomotaoside A (1) in $\text{C}_5\text{D}_5\text{N}$.	6
S4. HMQC spectrum (600 MHz) of Ipomotaoside A (1) in $\text{C}_5\text{D}_5\text{N}$.	7
S5. HMBC spectrum (600 MHz) of Ipomotaoside A (1) in $\text{C}_5\text{D}_5\text{N}$.	8
S6. ROESY spectrum (600 MHz) of Ipomotaoside A (1) in $\text{C}_5\text{D}_5\text{N}$.	9
S7. ^1H NMR spectrum (600 MHz) of Ipomotaoside B (2) in $\text{C}_5\text{D}_5\text{N}$.	10
S8. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside B (2) in $\text{C}_5\text{D}_5\text{N}$.	11
S9. COSY spectrum (600 MHz) of Ipomotaoside B (2) in $\text{C}_5\text{D}_5\text{N}$.	12
S10. HMQC spectrum (600 MHz) of Ipomotaoside B (2) in $\text{C}_5\text{D}_5\text{N}$.	13
S11. HMBC spectrum (600 MHz) of Ipomotaoside B (2) in $\text{C}_5\text{D}_5\text{N}$.	14
S12. ROESY spectrum (600 MHz) of Ipomotaoside B (2) in $\text{C}_5\text{D}_5\text{N}$.	15
S13. ^1H NMR spectrum (600 MHz) of Ipomotaoside C (3) in $\text{C}_5\text{D}_5\text{N}$.	16
S14. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside C (3) in $\text{C}_5\text{D}_5\text{N}$.	17
S15. COSY spectrum (600 MHz) of Ipomotaoside C (3) in $\text{C}_5\text{D}_5\text{N}$.	18
S16. HMQC spectrum (600 MHz) of Ipomotaoside C (3) in $\text{C}_5\text{D}_5\text{N}$.	19
S17. HMBC spectrum (600 MHz) of Ipomotaoside C (3) in $\text{C}_5\text{D}_5\text{N}$.	20
S18. ROESY spectrum (600 MHz) of Ipomotaoside C (3) in $\text{C}_5\text{D}_5\text{N}$.	21
S19. ^1H NMR spectrum (600 MHz) of Ipomotaoside D (4) in $\text{C}_5\text{D}_5\text{N}$.	22
S20. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside D (4) in $\text{C}_5\text{D}_5\text{N}$.	23

S21.	COSY spectrum (600 MHz) of Ipomotaoside D (4) in C ₅ D ₅ N.	24
S22.	HMQC spectrum (600 MHz) of Ipomotaoside D (4) in C ₅ D ₅ N.	25
S23.	HMBC spectrum (600 MHz) of Ipomotaoside D (4) in C ₅ D ₅ N.	26
S24.	ROESY spectrum (600 MHz) of Ipomotaoside D (4) in C ₅ D ₅ N.	27

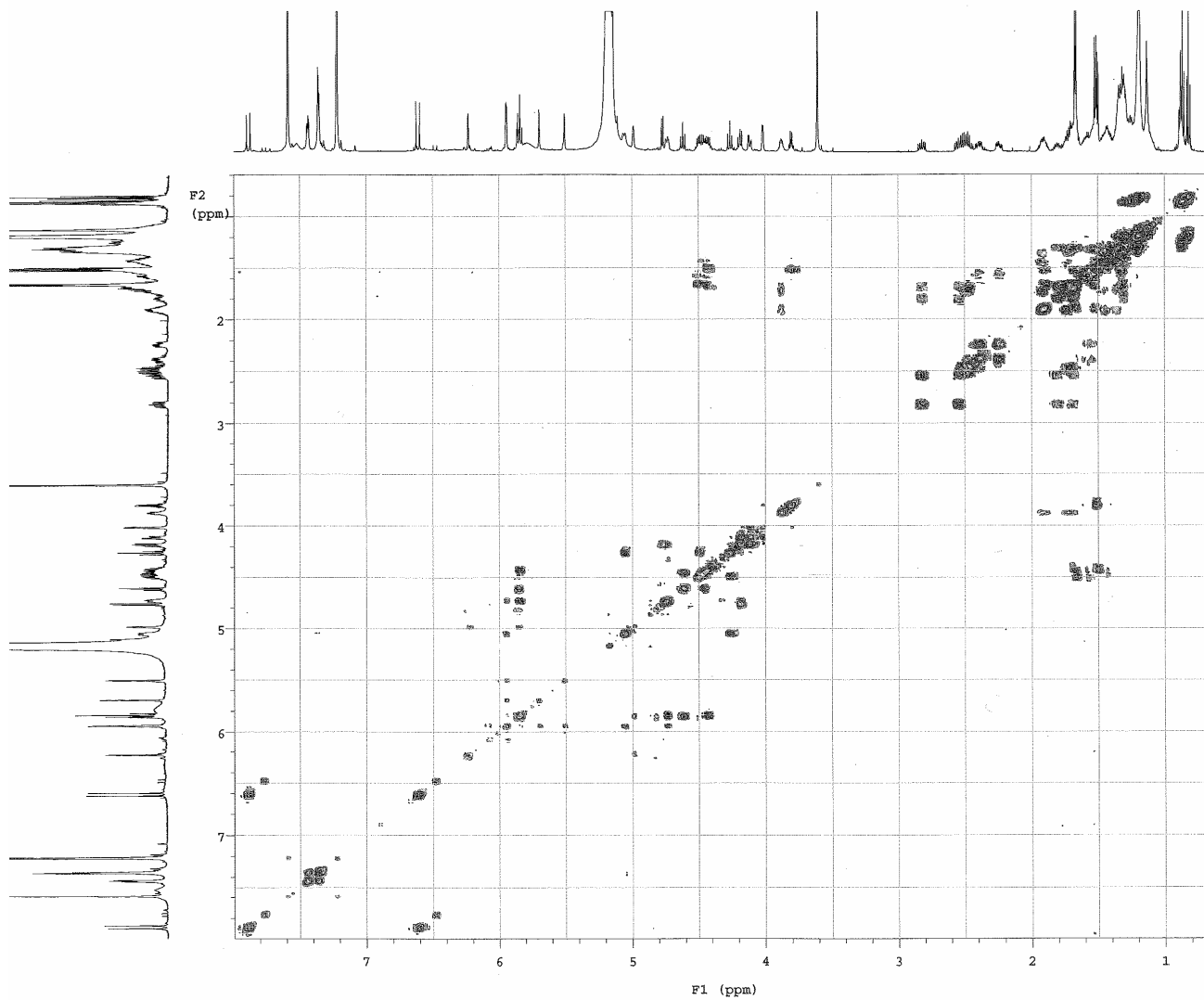
S1. ^1H NMR spectrum (600 MHz) of Ipomotaoside A (**1**) in $\text{C}_5\text{D}_5\text{N}$.



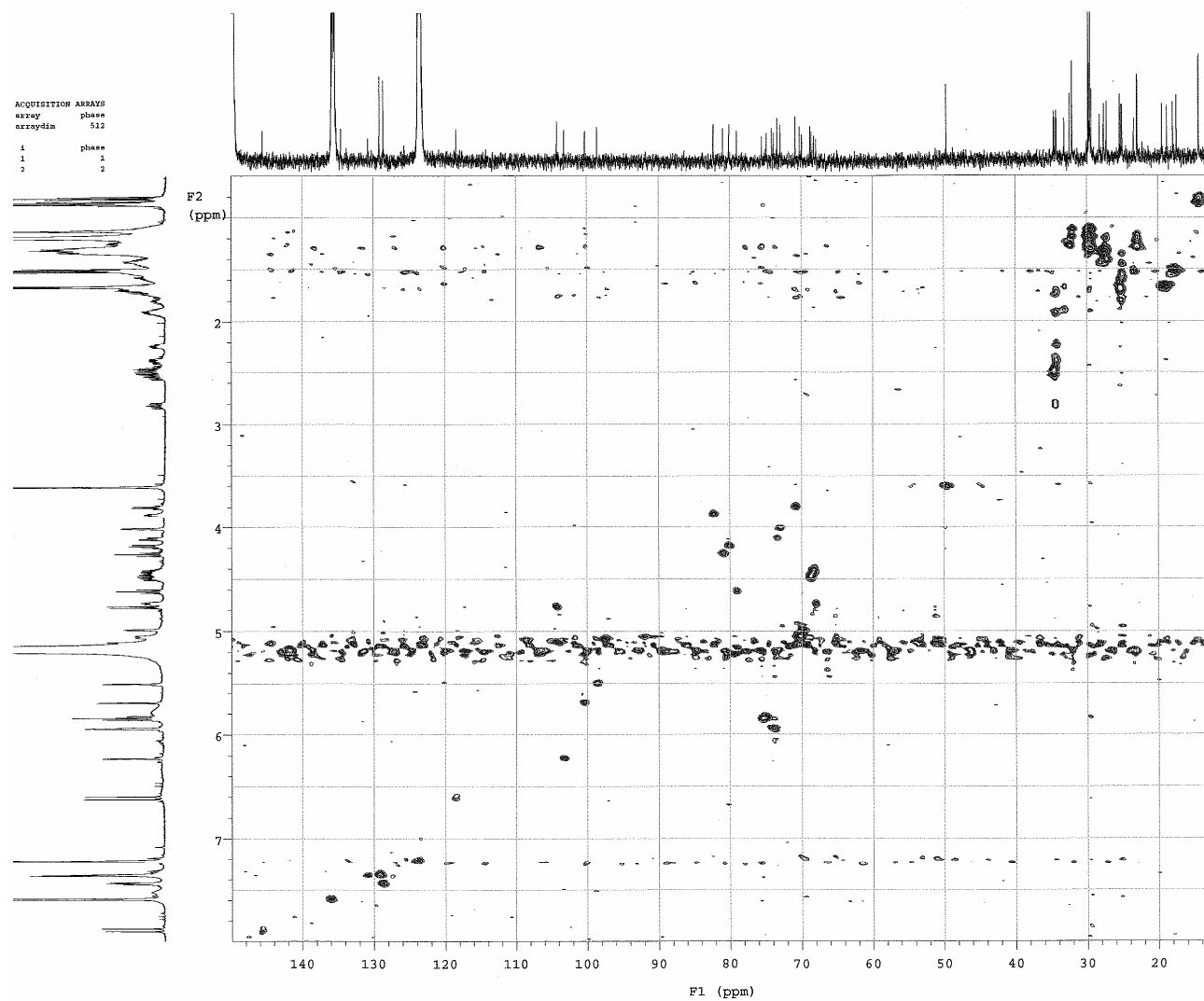
S2. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside A (**1**) in $\text{C}_5\text{D}_5\text{N}$.



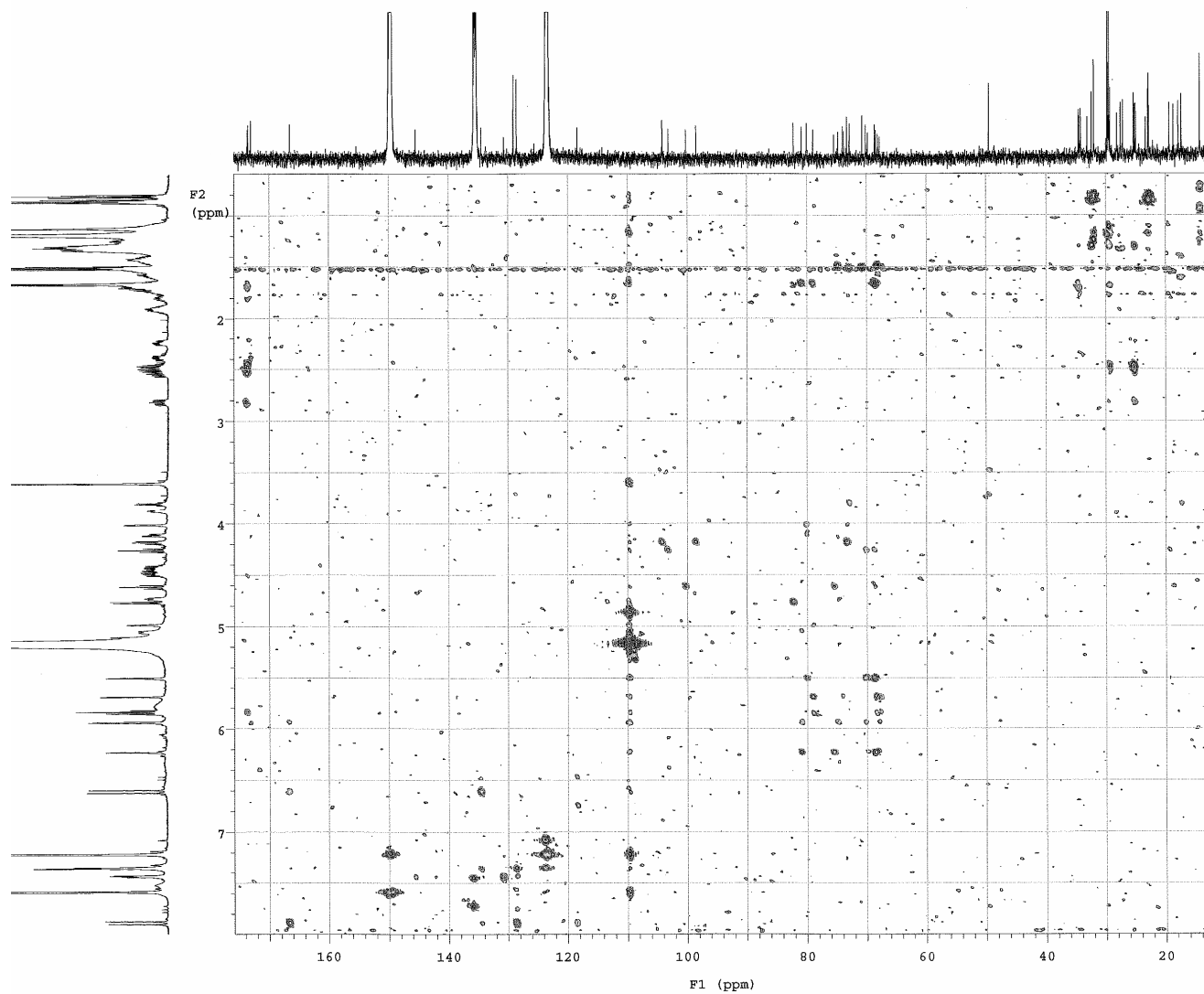
S3. COSY spectrum (600 MHz) of Ipomotaoside A (**1**) in C₅D₅N.



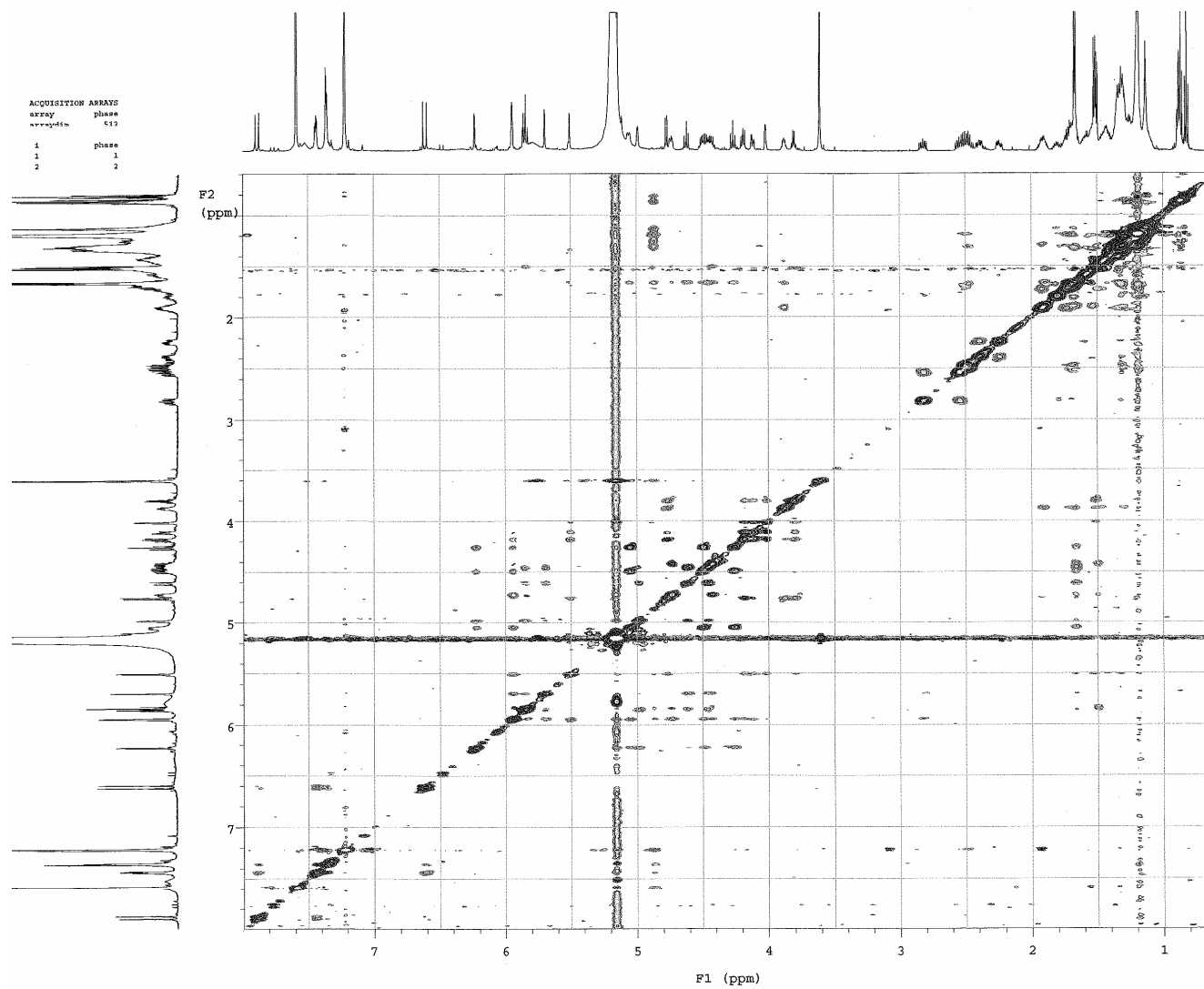
S4. HMQC spectrum (600 MHz) of Ipomotaoside A (**1**) in C₅D₅N.



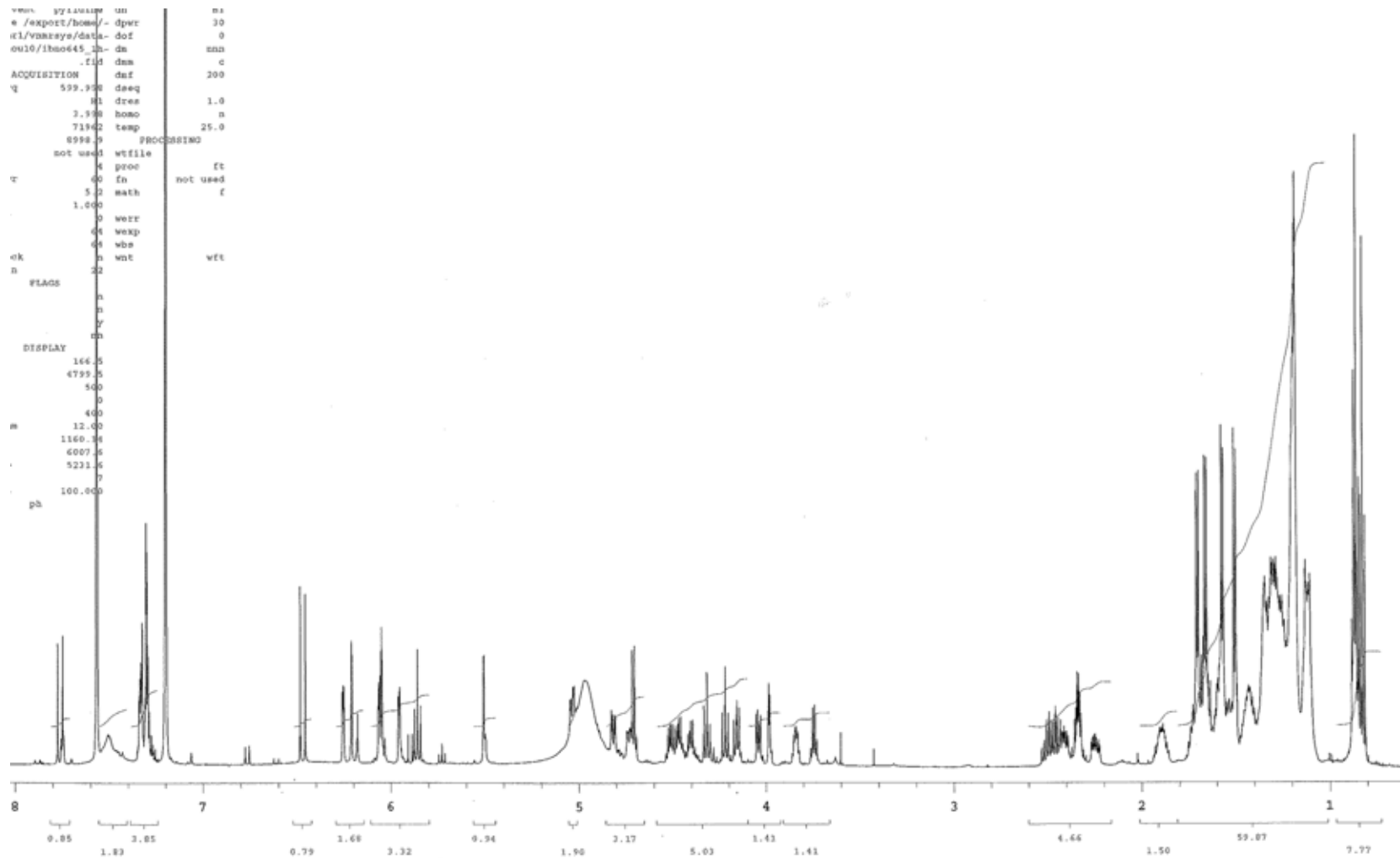
S5. HMBC spectrum (600 MHz) of Ipomotaoside A (**1**) in C₅D₅N.



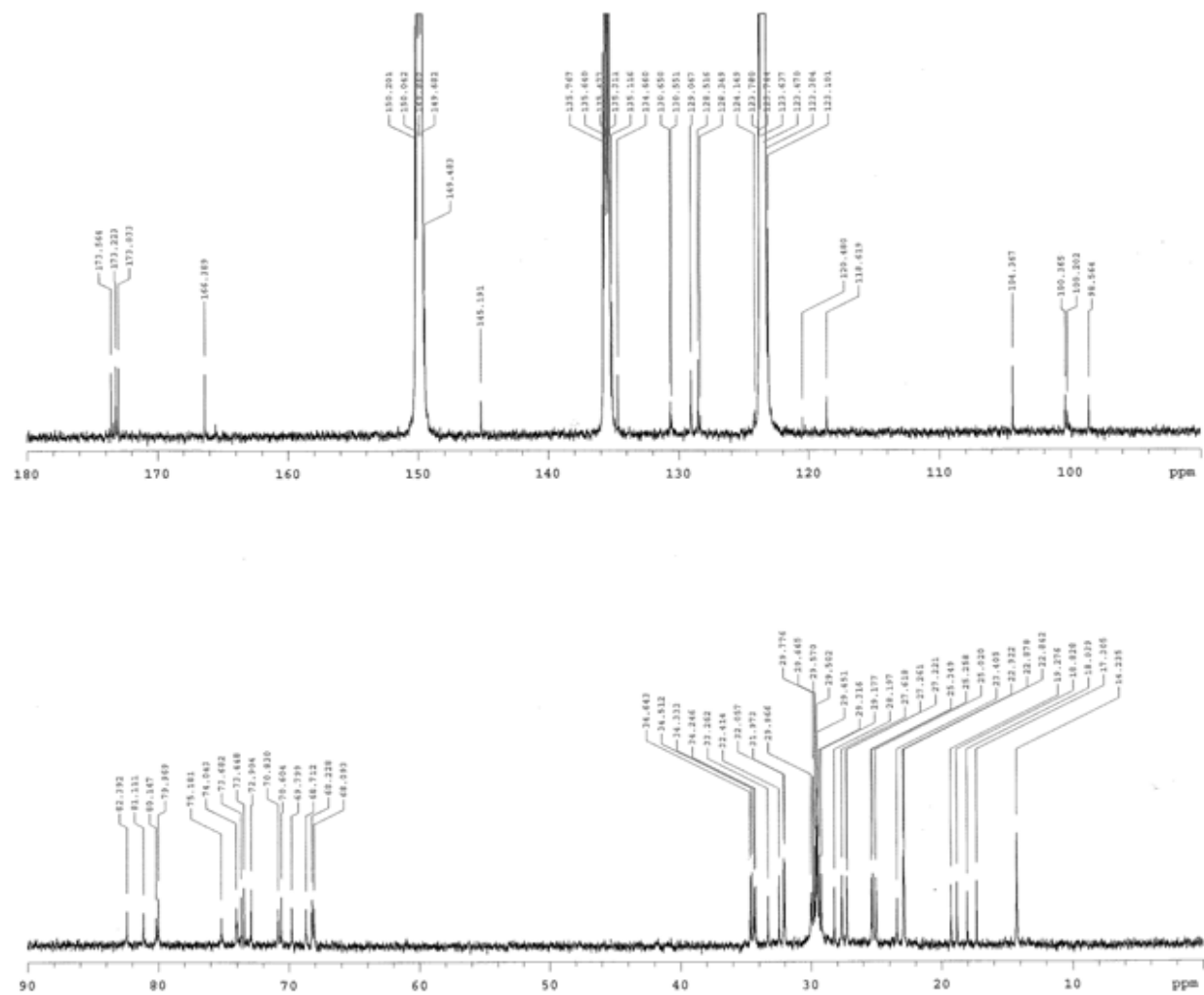
S6. ROESY spectrum (600 MHz) of Ipomotaoside A (**1**) in C₅D₅N.



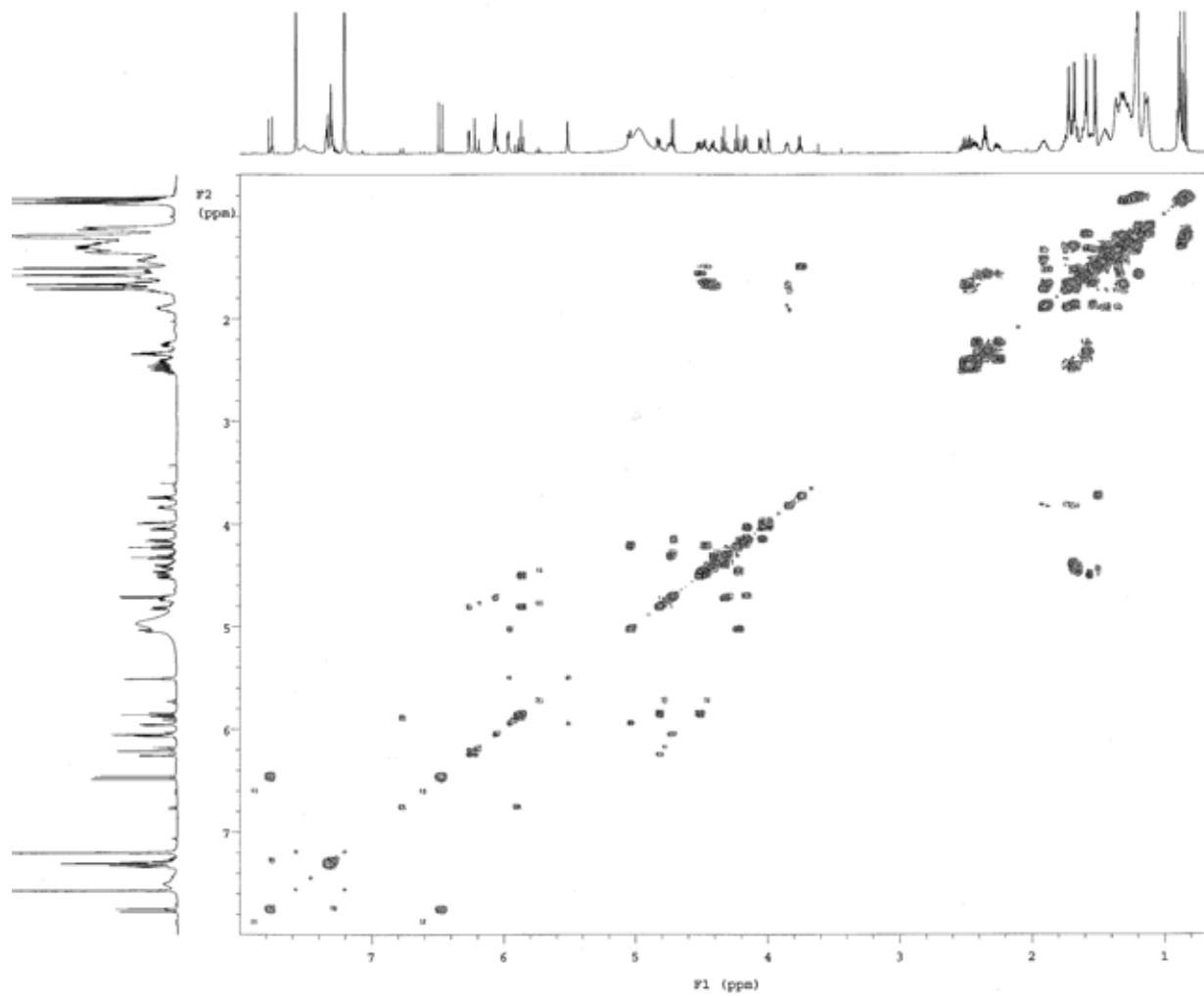
S7. ^1H NMR spectrum (600 MHz) of Ipomotaoside B (**2**) in $\text{C}_5\text{D}_5\text{N}$.



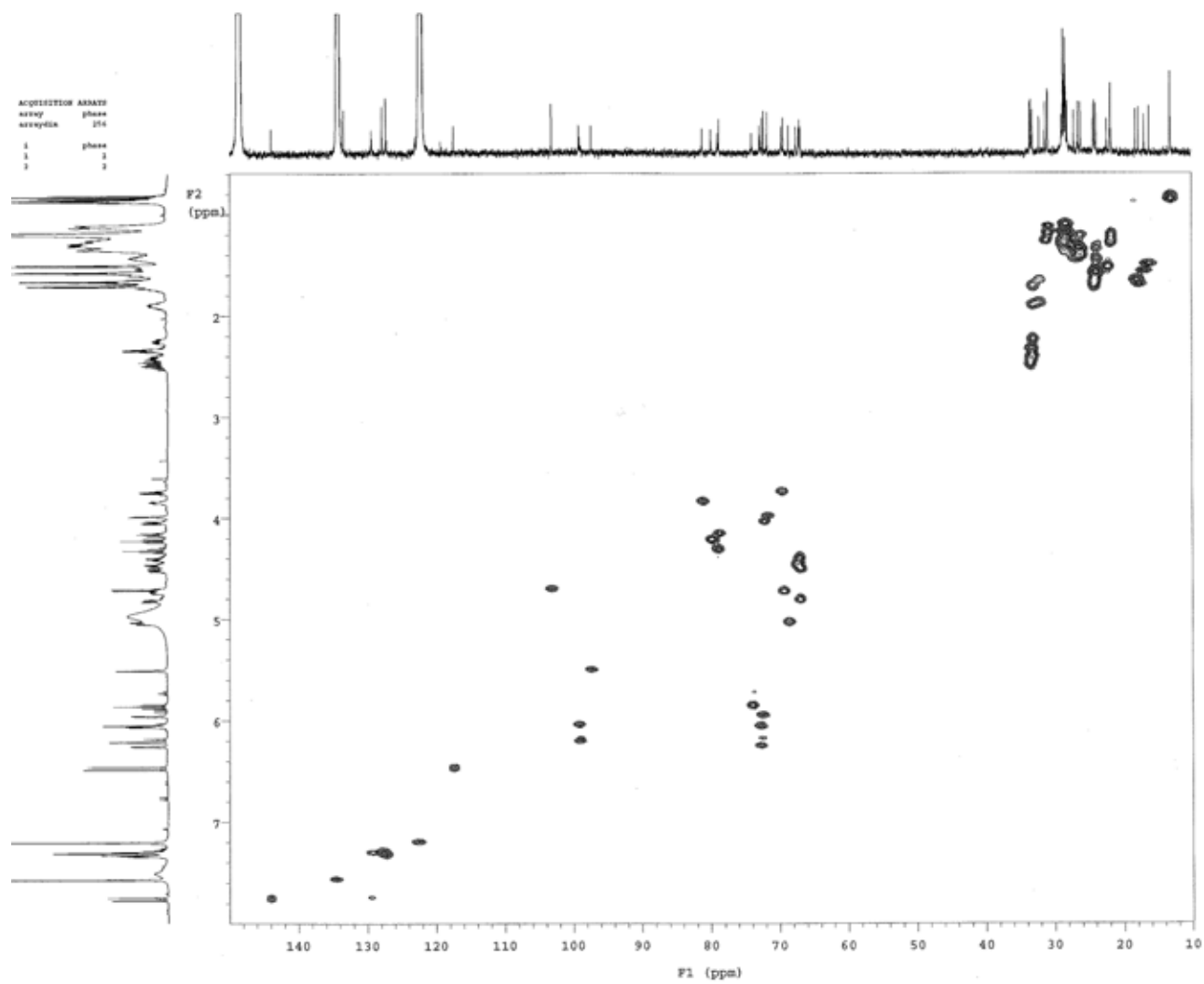
S8. ^{13}C NMR spectrum (600 MHz) of Ipomotaoside B (**2**) in $\text{C}_5\text{D}_5\text{N}$.



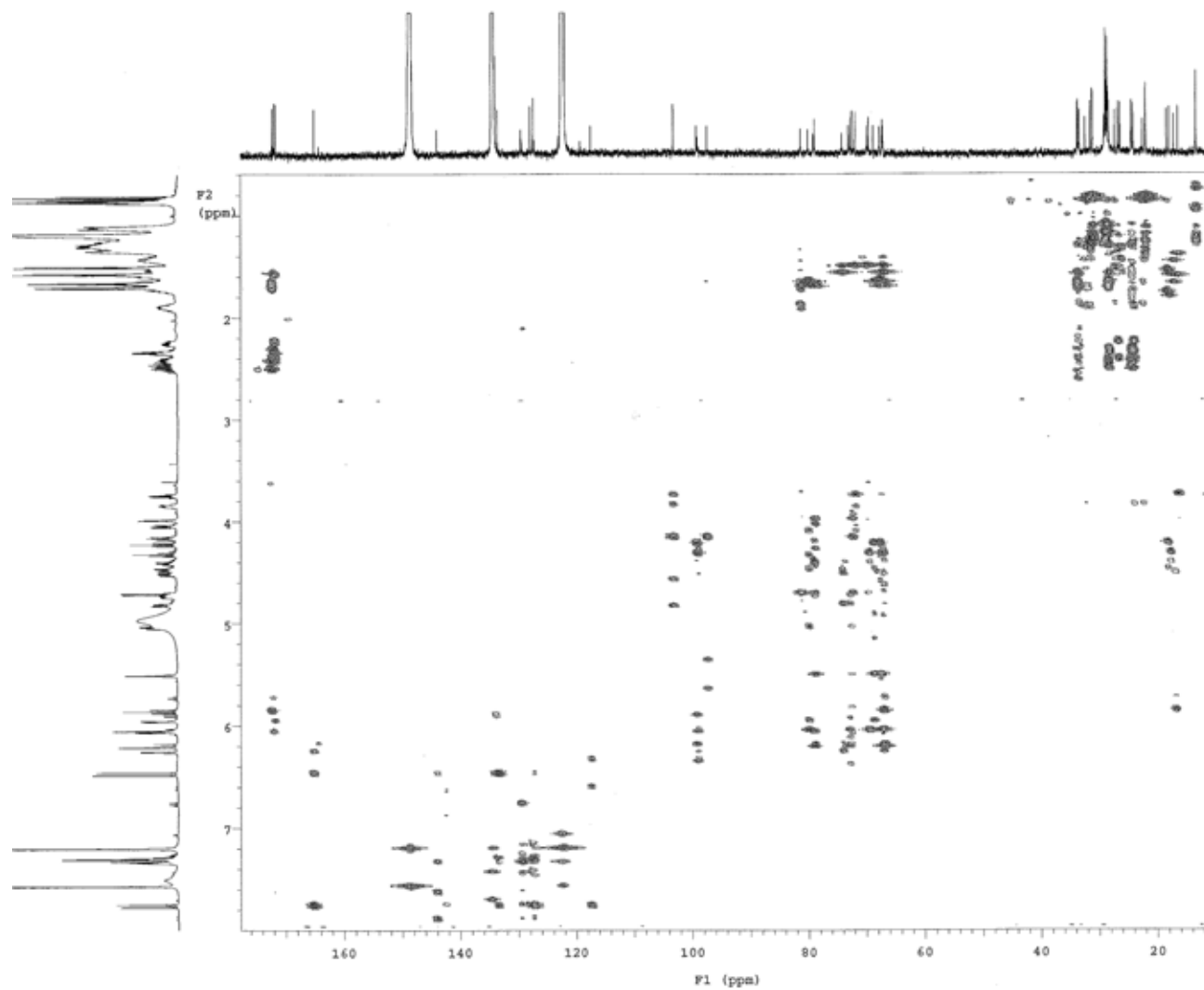
S9. COSY spectrum (600 MHz) of Ipomotaoside B (2) in C_5D_5N .



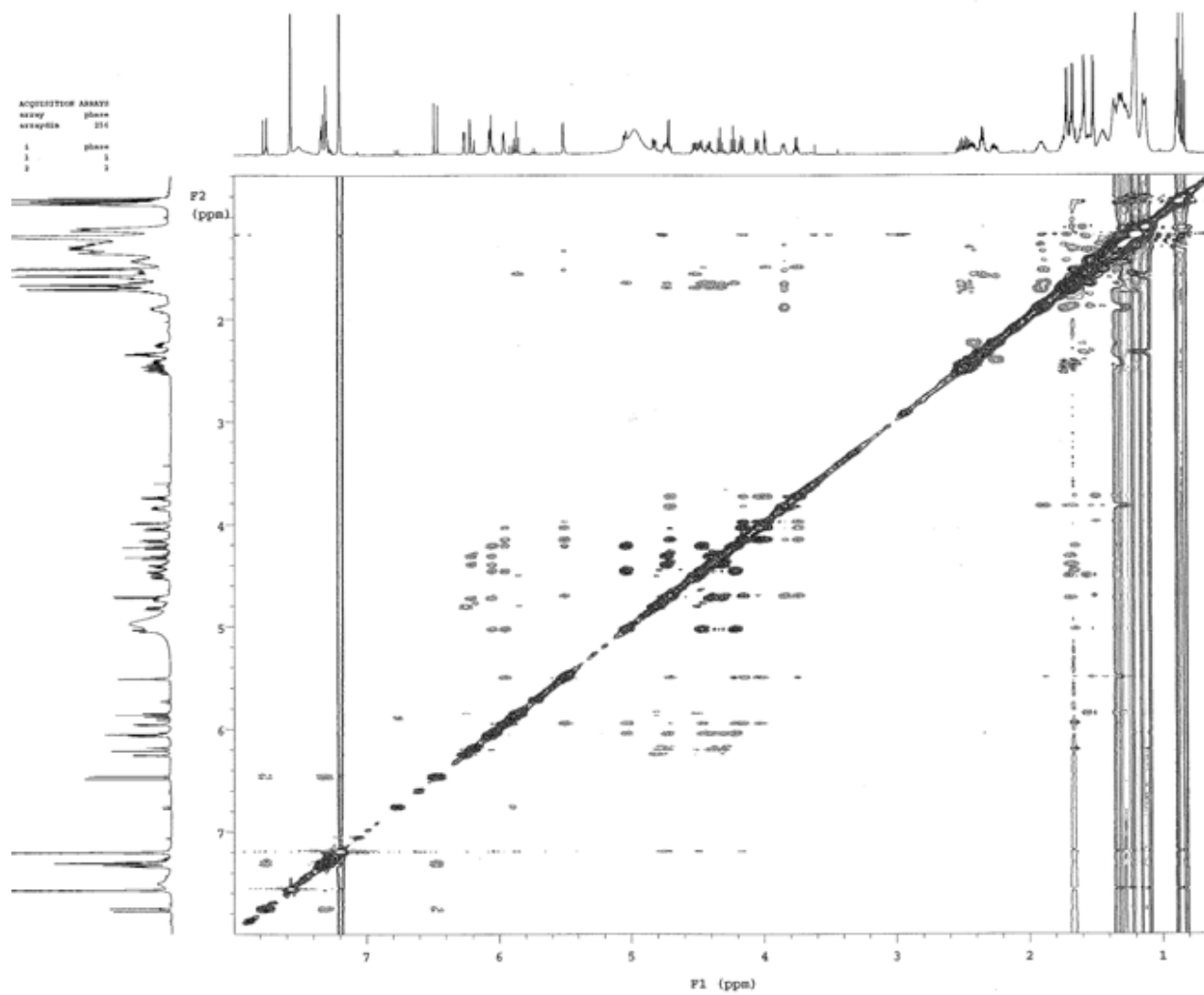
S10. HMQC spectrum (600 MHz) of Ipomotaoside B (**2**) in C₅D₅N.



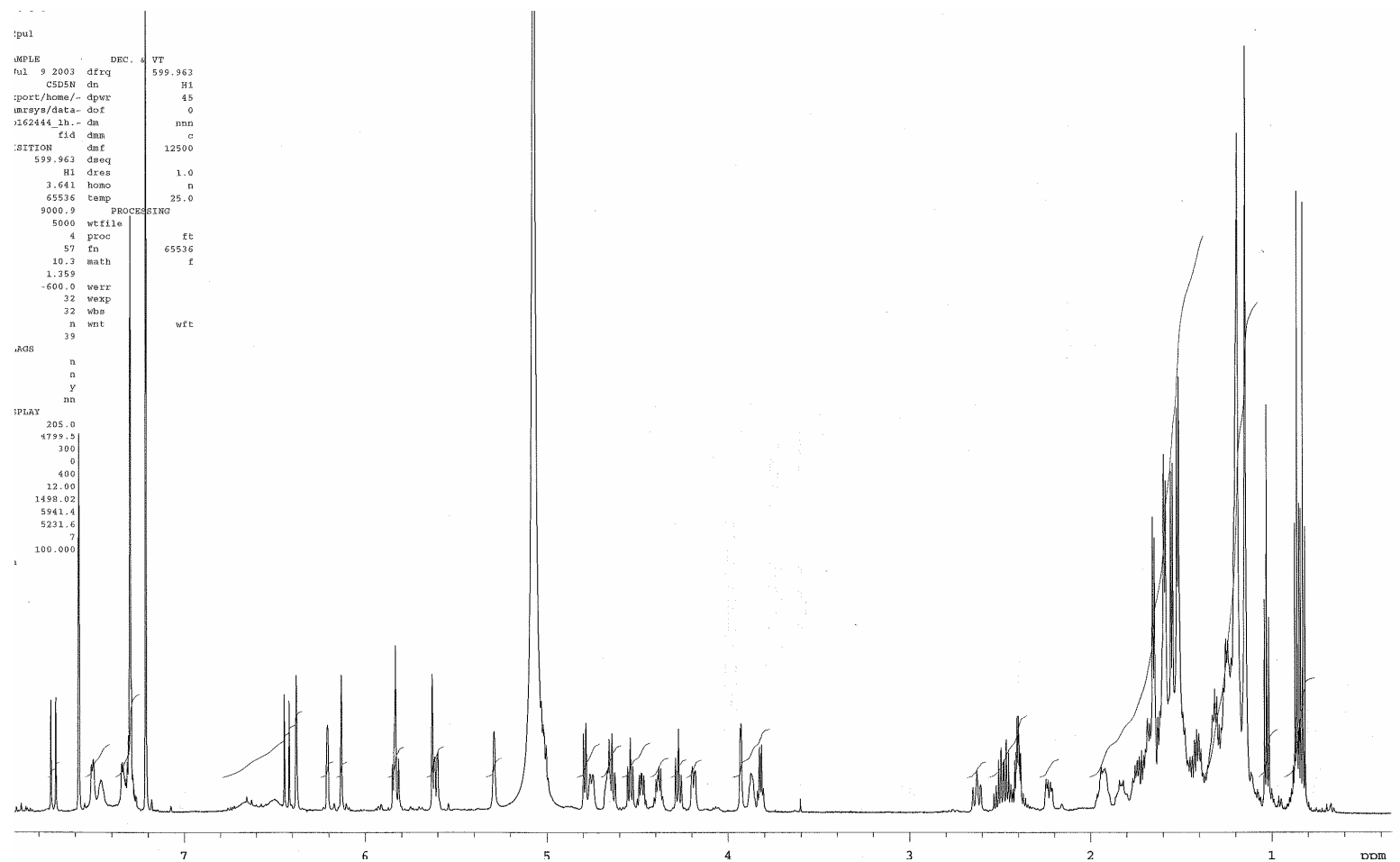
S11. HMBC spectrum (600 MHz) of Ipomotaoside B (2) in C₅D₅N.



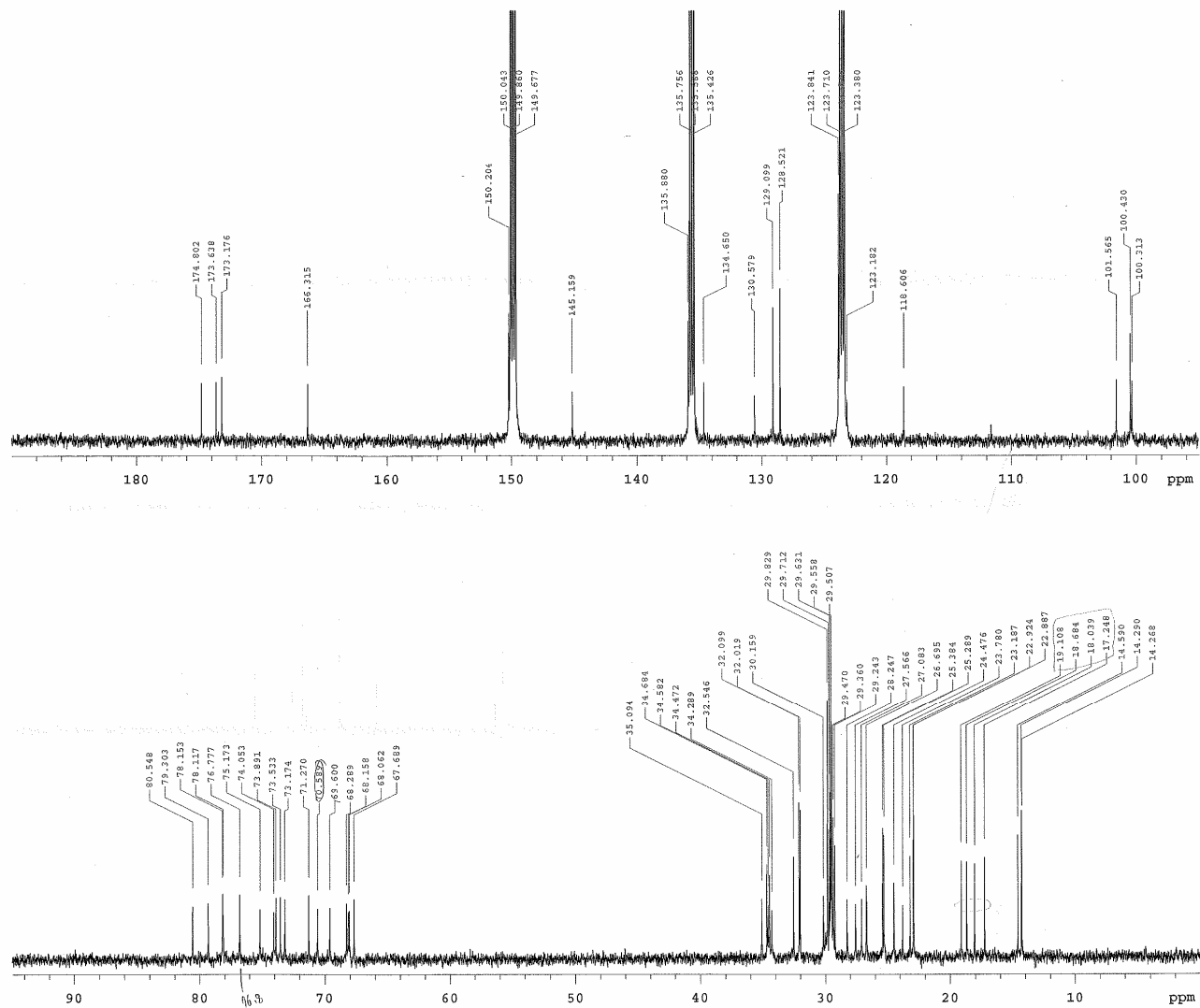
S12. ROESY spectrum (600 MHz) of Ipomotaoside B (2) in C₅D₅N.



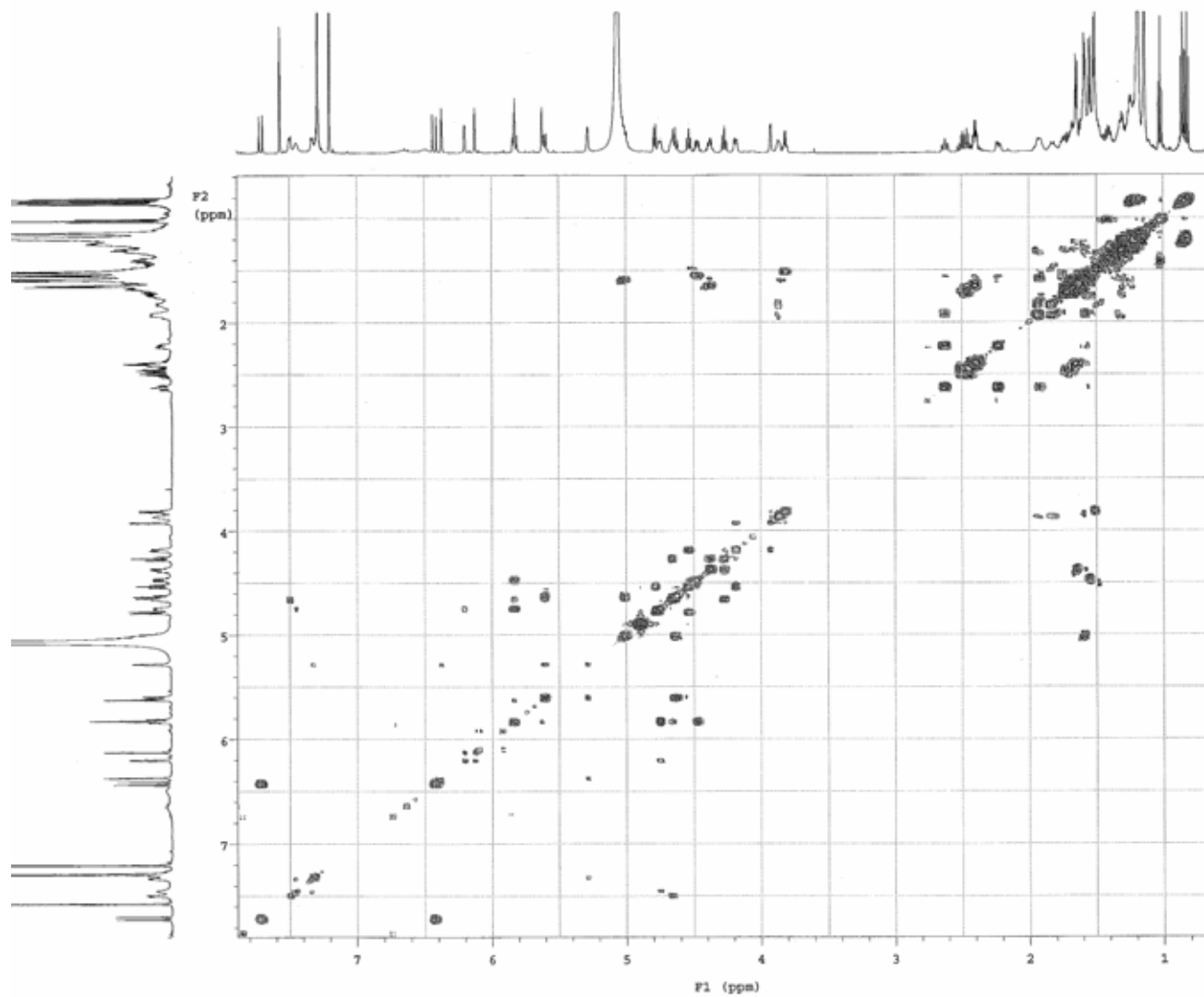
S13. ^1H NMR spectrum (600Hz) of Ipomotaoside C (**3**) in $\text{C}_5\text{D}_5\text{N}$.



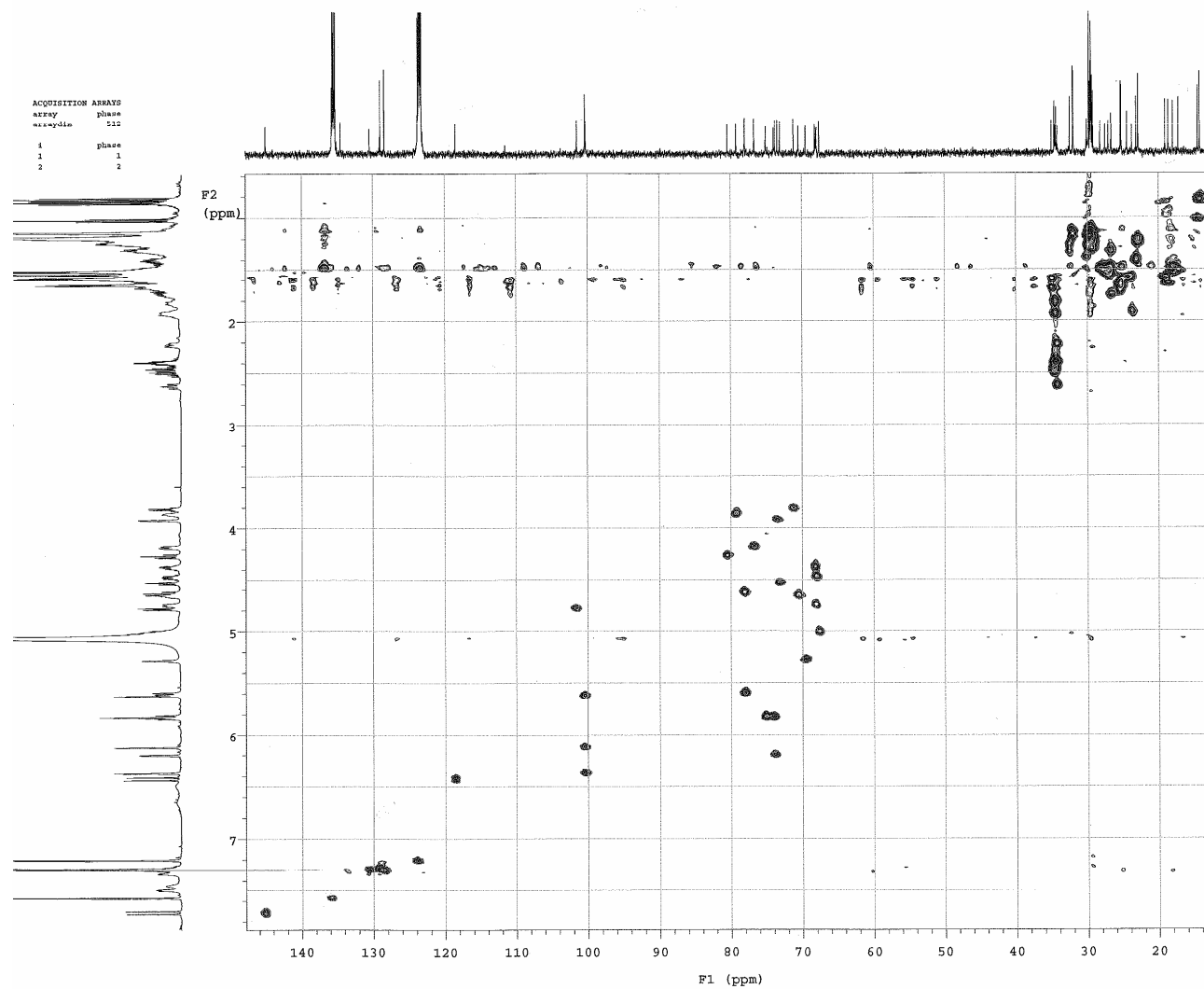
S14. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside C (**3**) in $\text{C}_5\text{D}_5\text{N}$.



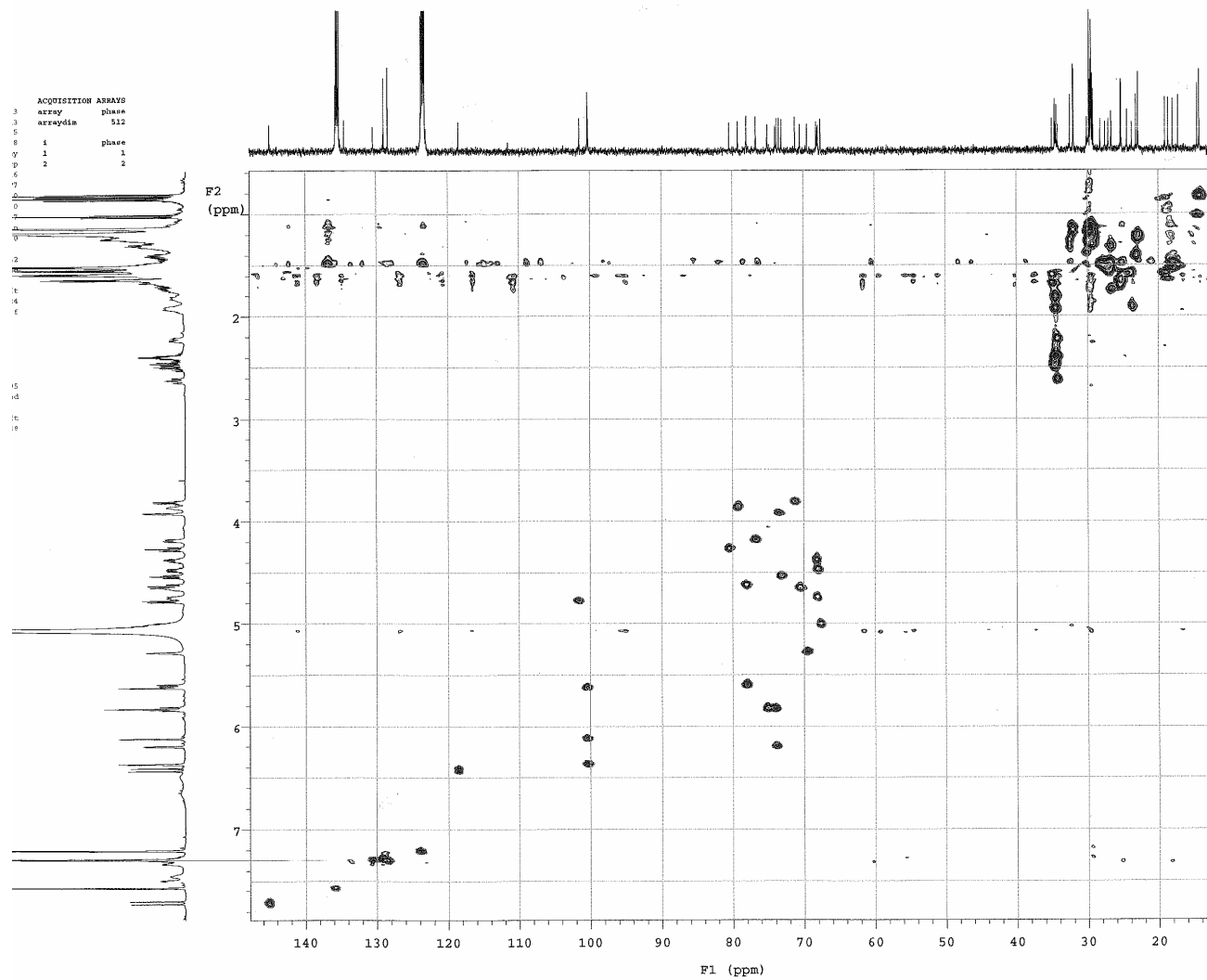
S15. COSY spectrum (600 MHz) of Ipomotaoside C (**3**) in C₅D₅N.



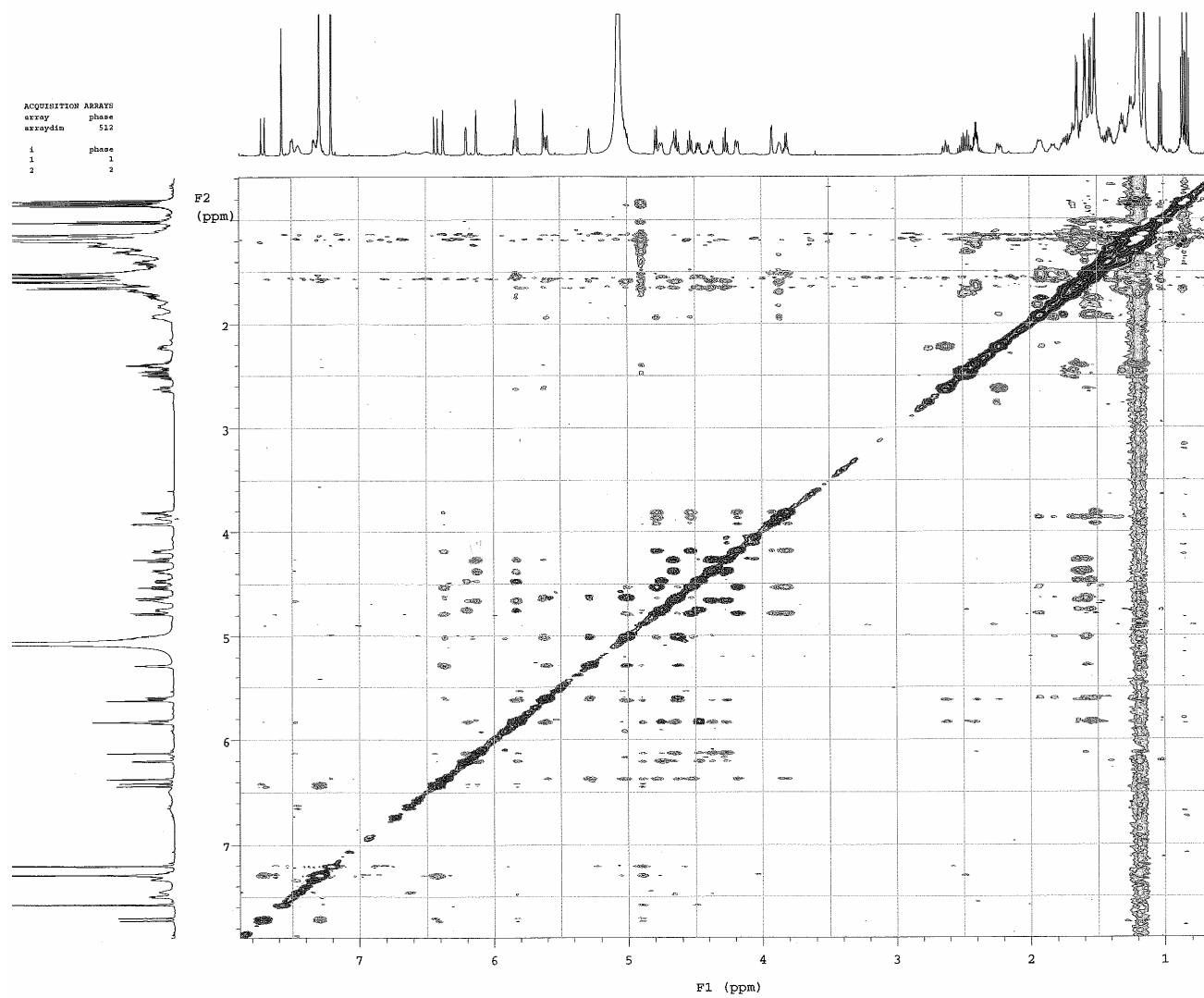
S16. HMQC spectrum (600 MHz) of Ipomotaoside C (**3**) in C₅D₅N.



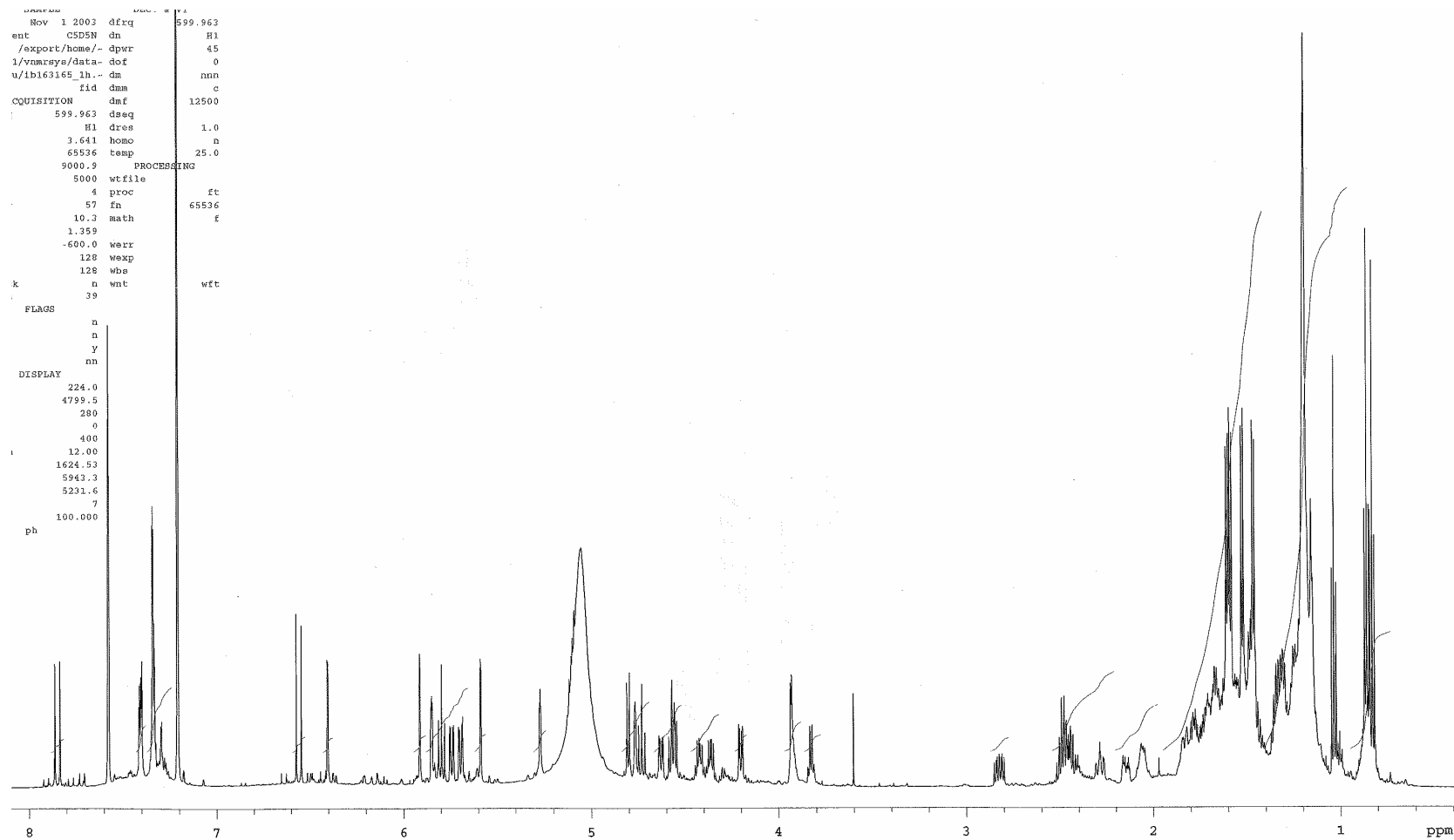
S17. HMBC spectrum (600 MHz) of Ipomotaoside C (**3**) in C₅D₅N.



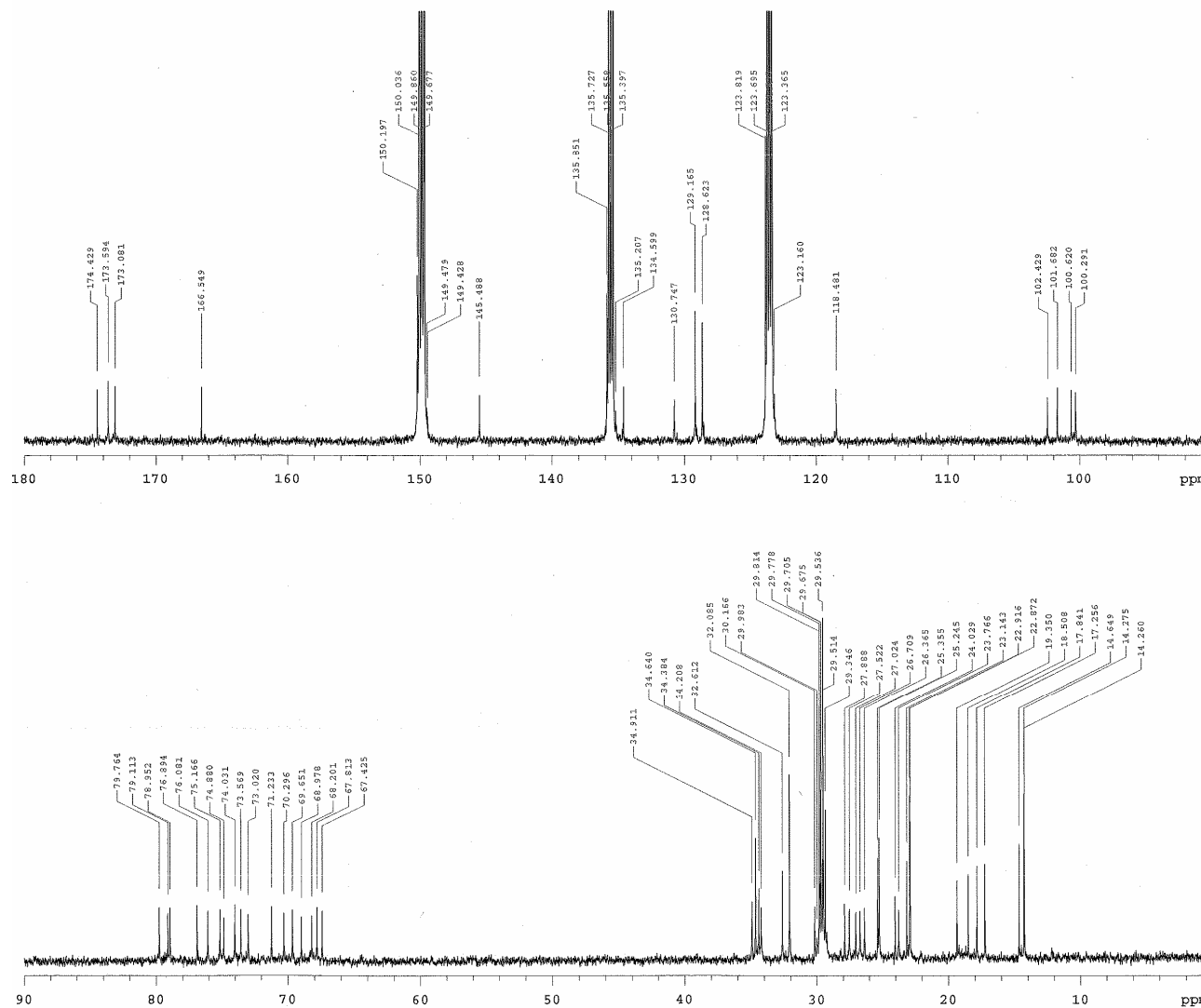
S18. ROESY spectrum (600 MHz) of Ipomotaoside C (**3**) in C₅D₅N.



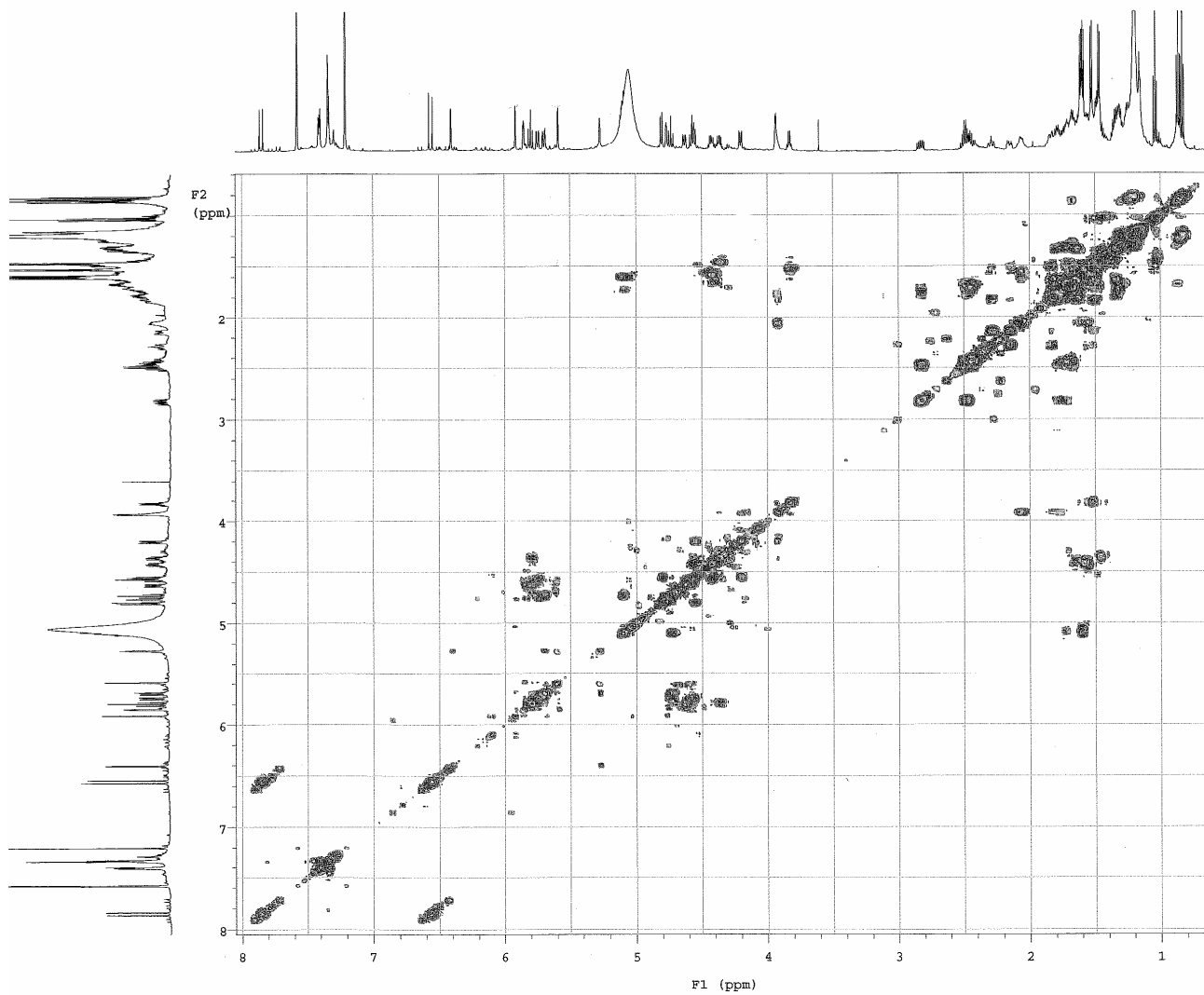
S19. ^1H NMR spectrum (600 MHz) of Ipomotaoside D (**4**) in $\text{C}_5\text{D}_5\text{N}$.



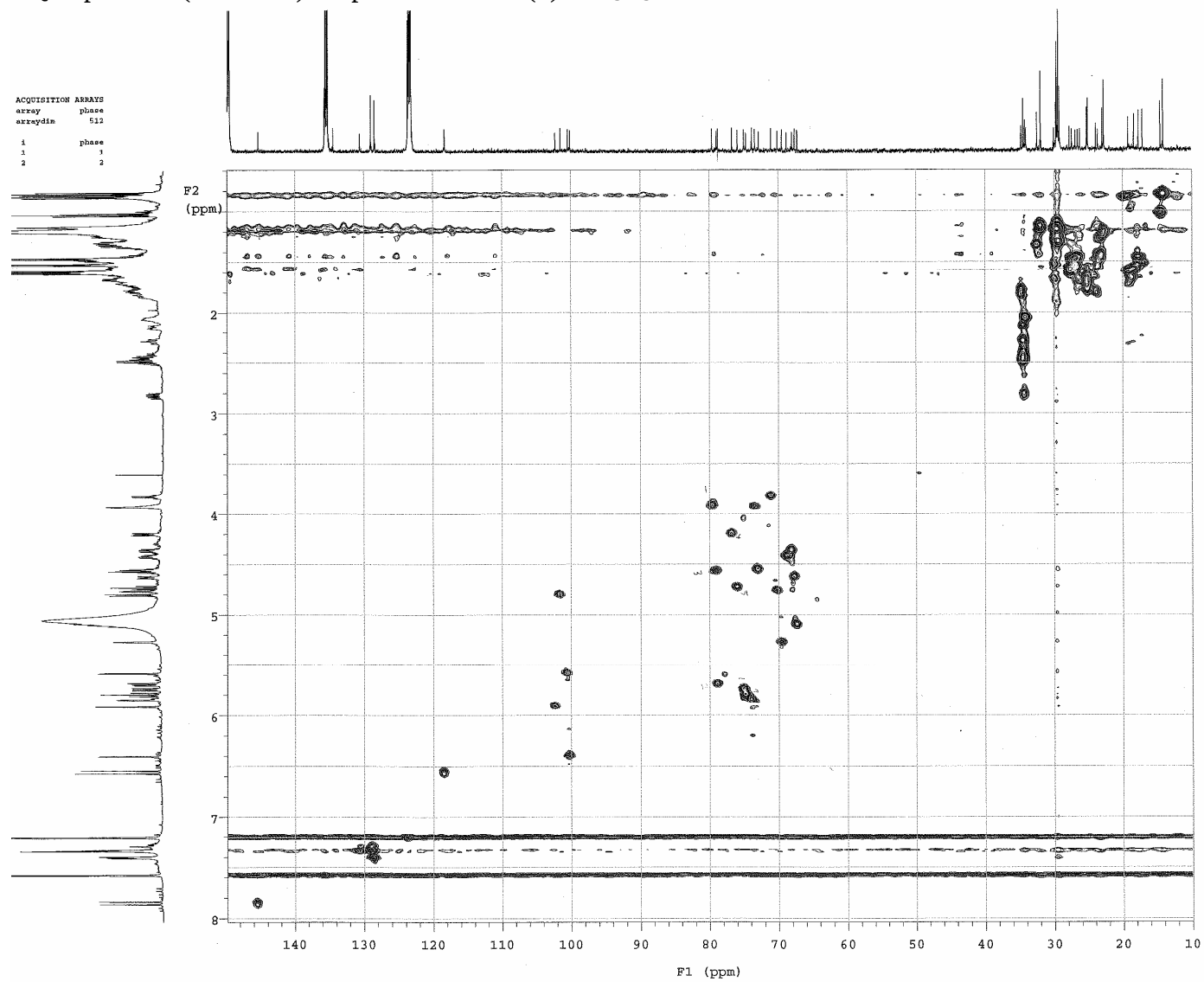
S20. ^{13}C NMR spectrum (150 MHz) of Ipomotaoside D (**4**) in $\text{C}_5\text{D}_5\text{N}$.



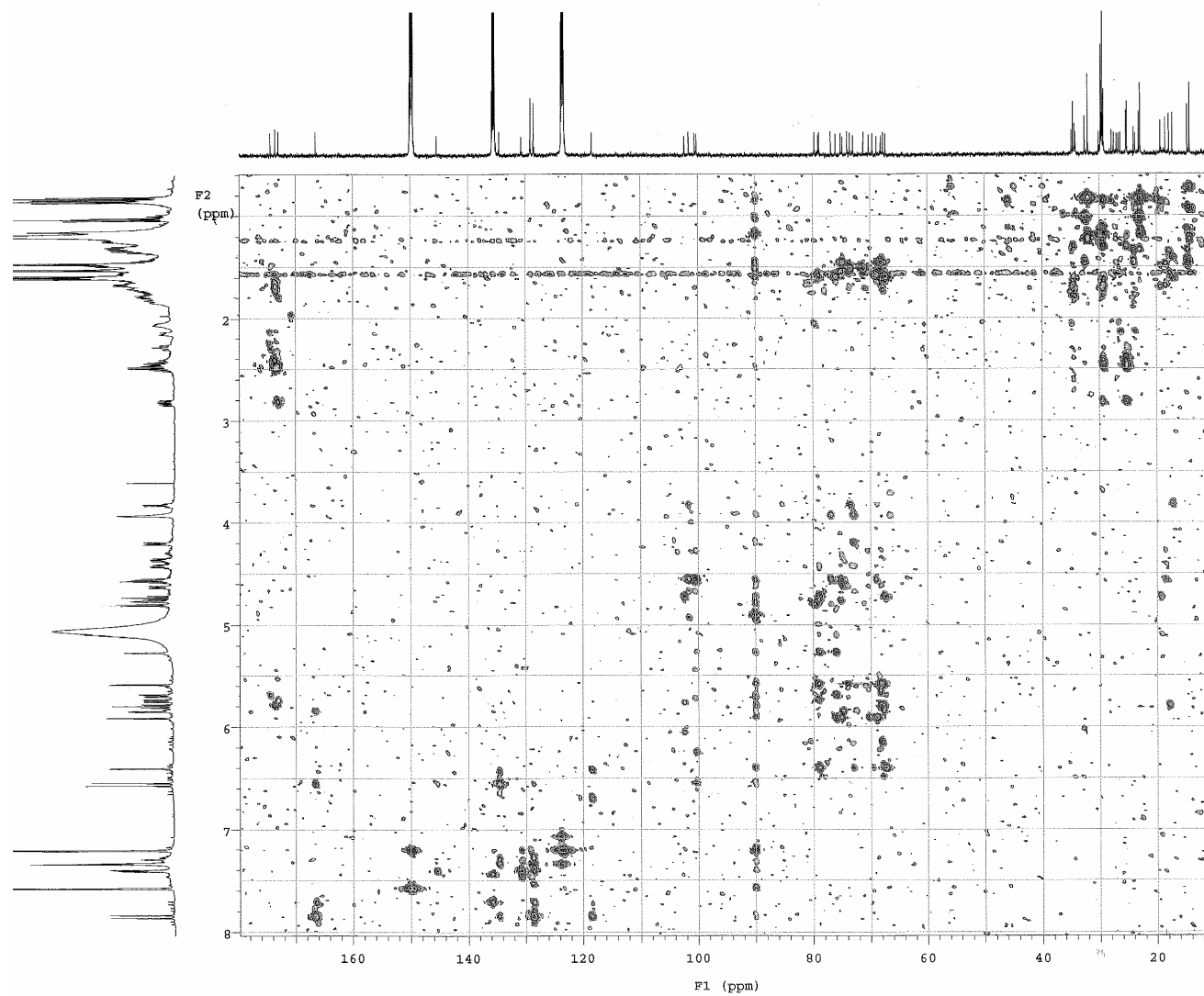
S21. COSY spectrum (600 MHz) of Ipomotaoside D (**4**) in C₅D₅N.



S22. HMQC spectrum (600 MHz) of Ipomotaoside D (**4**) in C₅D₅N.



S23. HMBC spectrum (600 MHz) of Ipomotaoside D (**4**) in C₅D₅N.



S24. ROESY spectrum (600 MHz) of Ipomotaoside D (**4**) in C₅D₅N.

