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Figure 1. ^1H NMR spectrum of luteophanol A (1) in $\text{CD}_3\text{OD}/\text{C}_5\text{D}_5\text{N}$ (2:1)

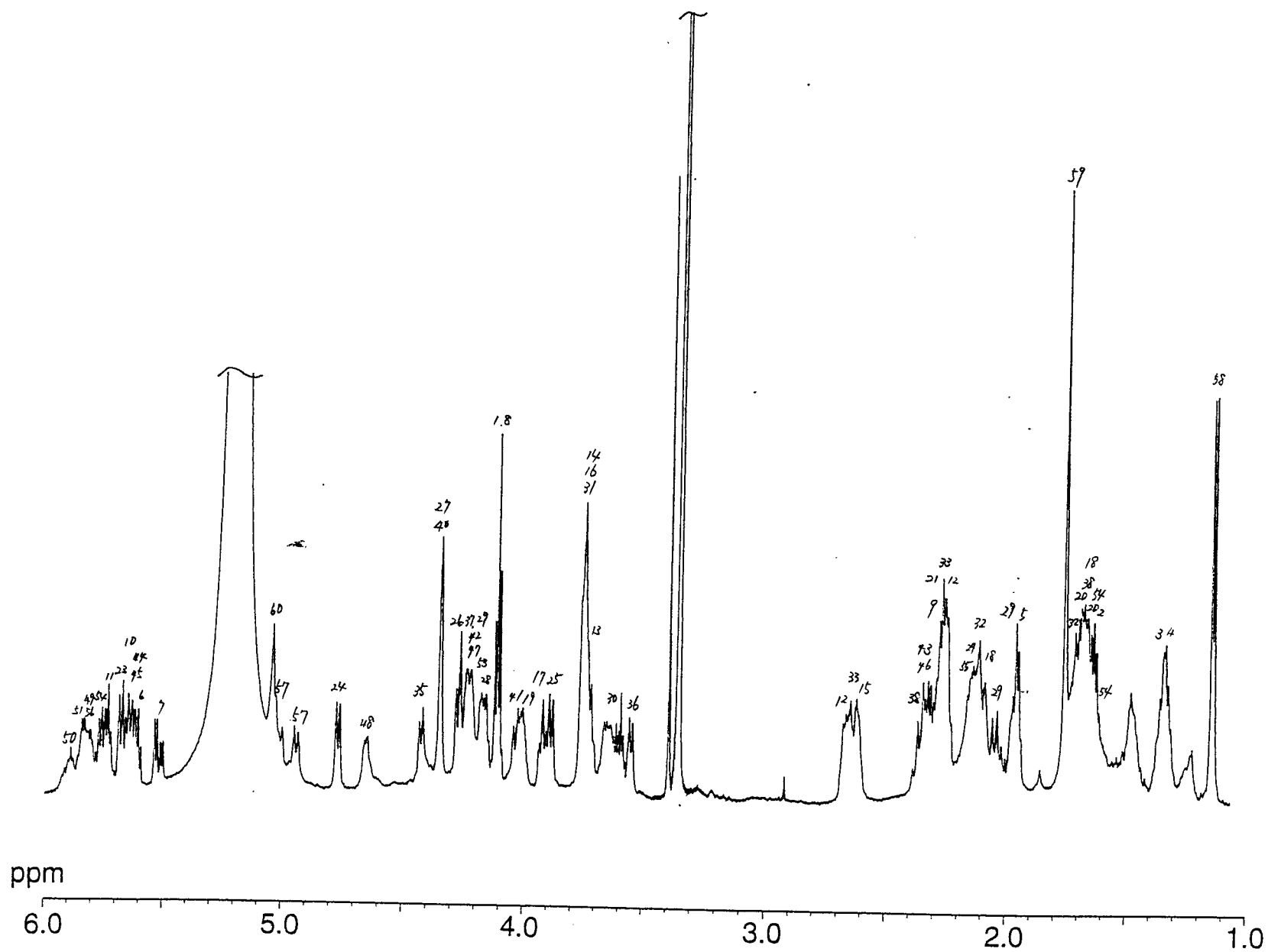


Figure 2: ^{13}C NMR spectrum of luteophanol A (1) in $\text{CD}_3\text{OD}/\text{C}_5\text{D}_5\text{N}$ (2:1)

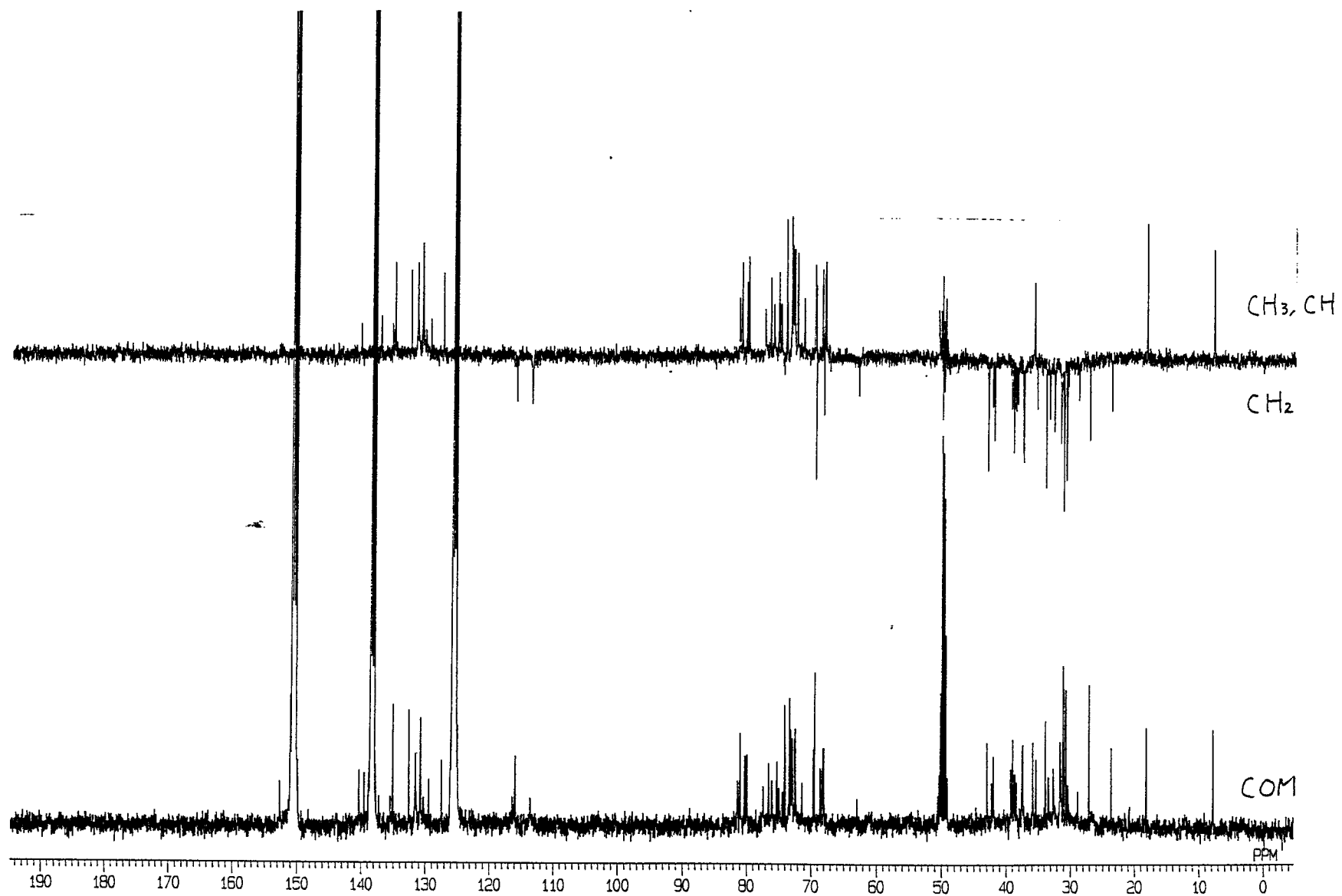


Figure 3. ^{13}C NMR spectrum of luteophanol A (1) in $\text{CD}_3\text{OH}/\text{C}_5\text{D}_5\text{N}$ (2:1)

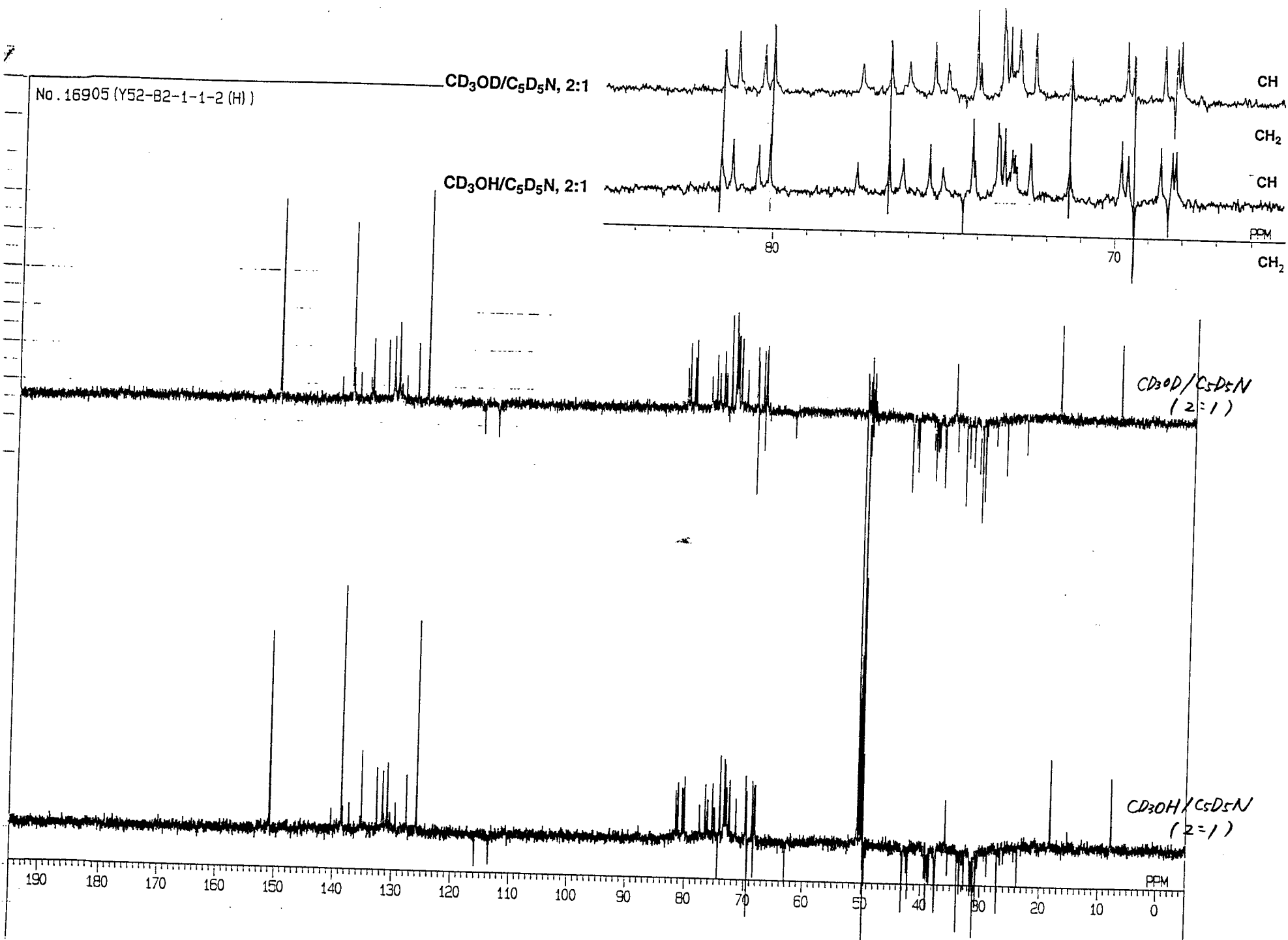


Figure 4. DQF-COSY spectrum of luteophanol A (1) in $\text{CD}_3\text{OD}/\text{C}_5\text{D}_5\text{N}$ (2:1)

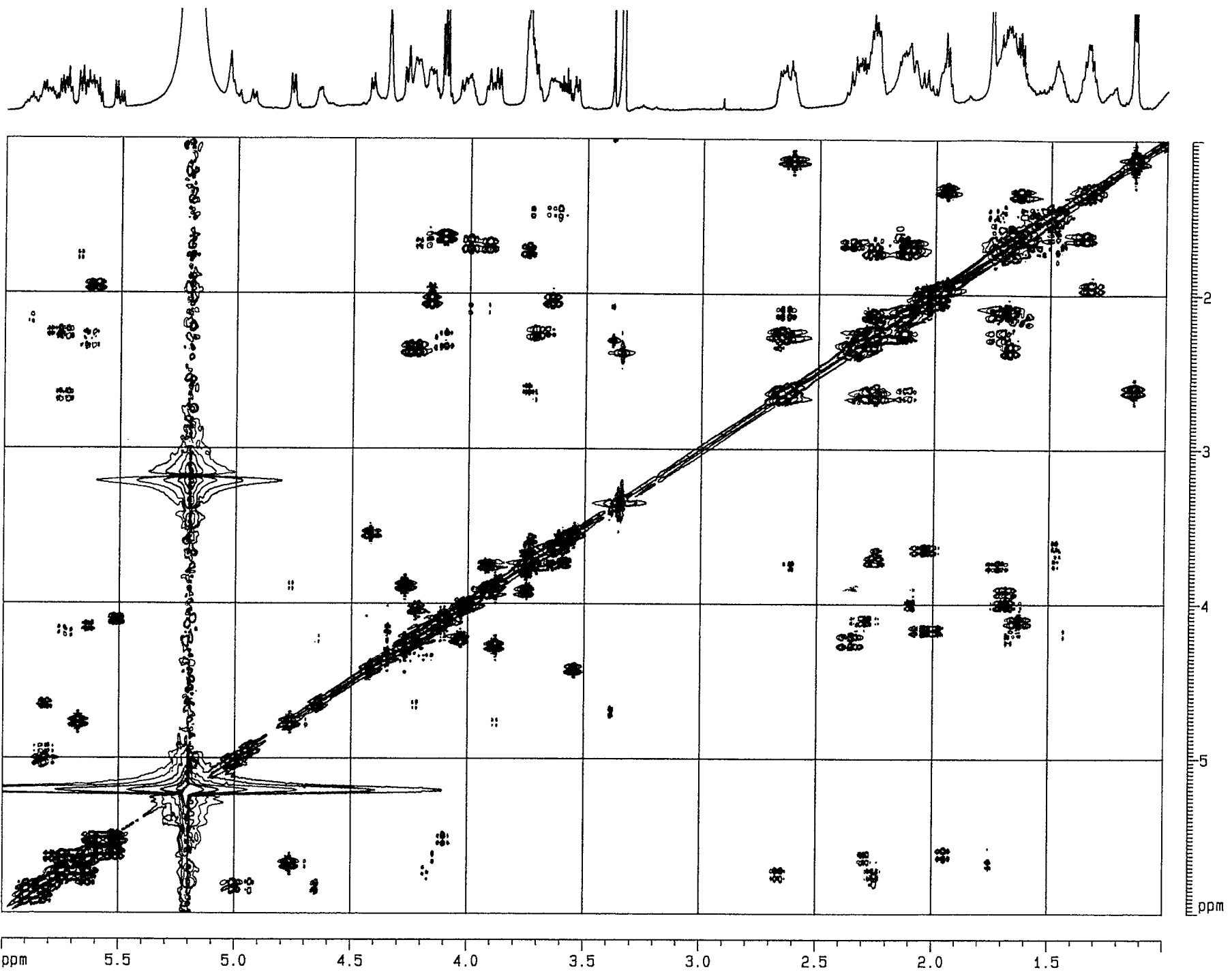


Figure 5. HSQC spectrum of luteophanol A (1) in CD₃OD/C₅D₅N (2:1)

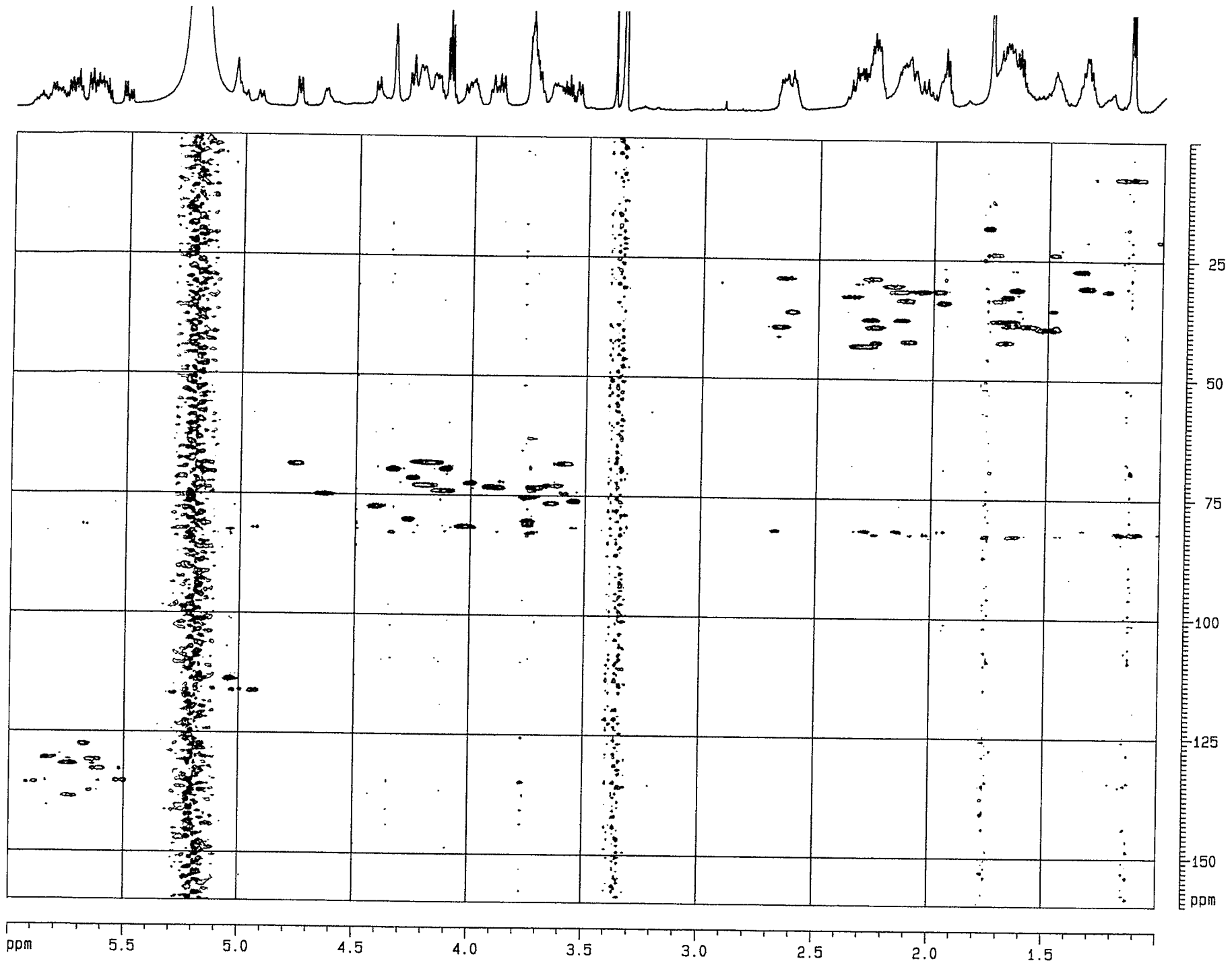


Figure 6 PFG HMBC spectrum of luteophanol A (1) in CD₃OD/C₂D₅N (2:1)

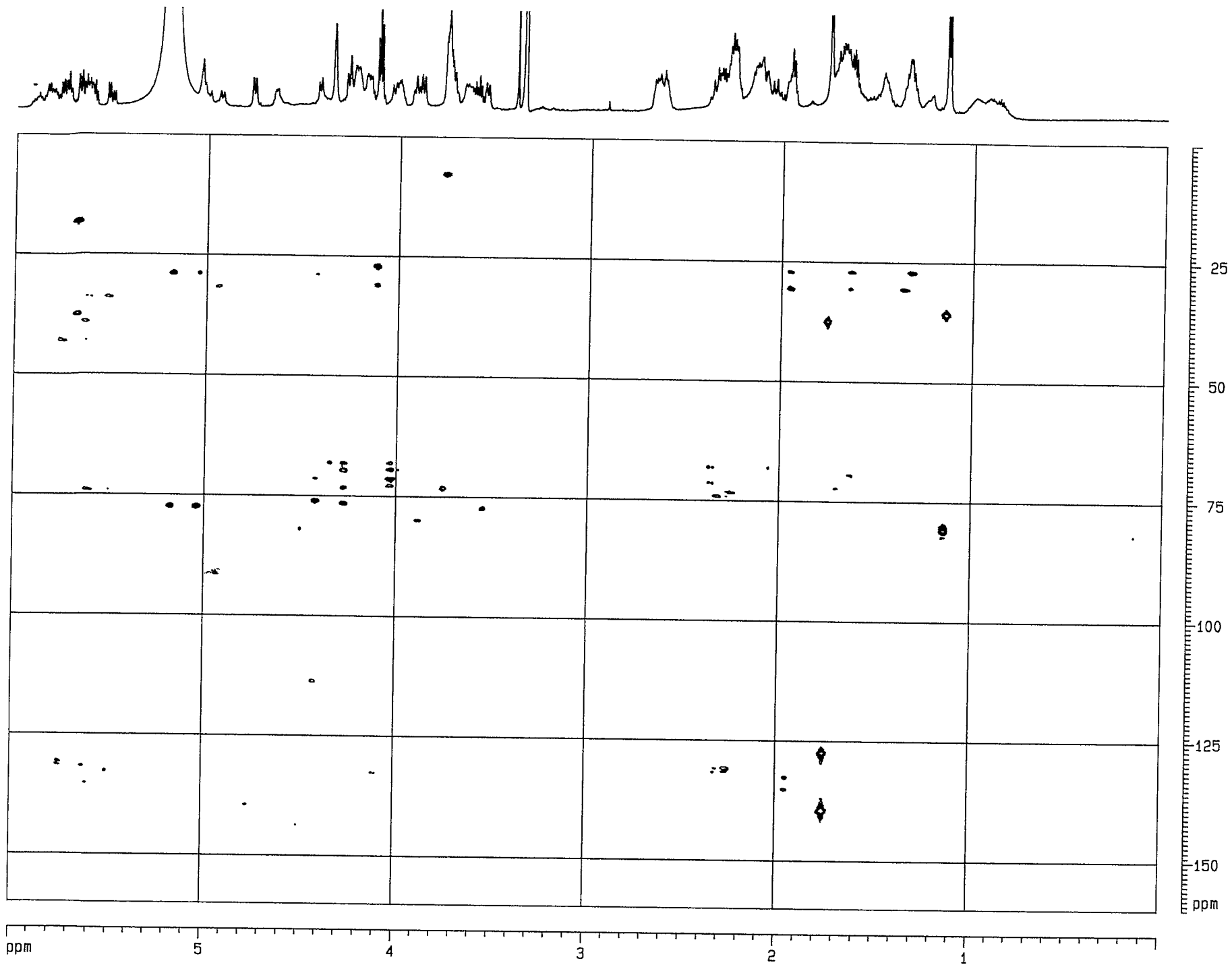


Figure 7. HMBC spectrum of luteophanol A (1) in CD₃OD/C₅D₅N (2:1)

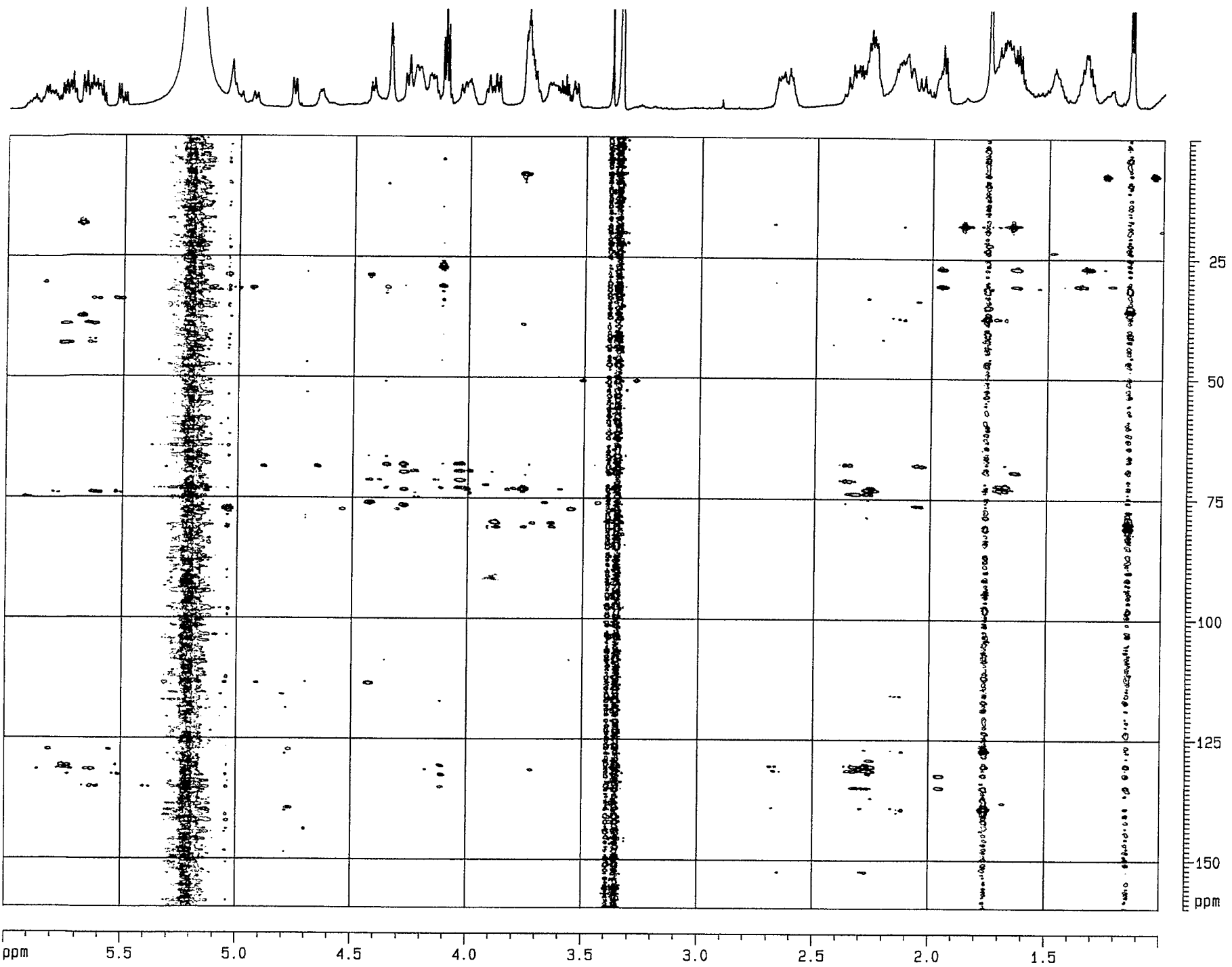


Figure 8 HSQC-HOHAHA spectrum of luteophanol A (1) in CD₃OD/C₅D₅N (2:1)

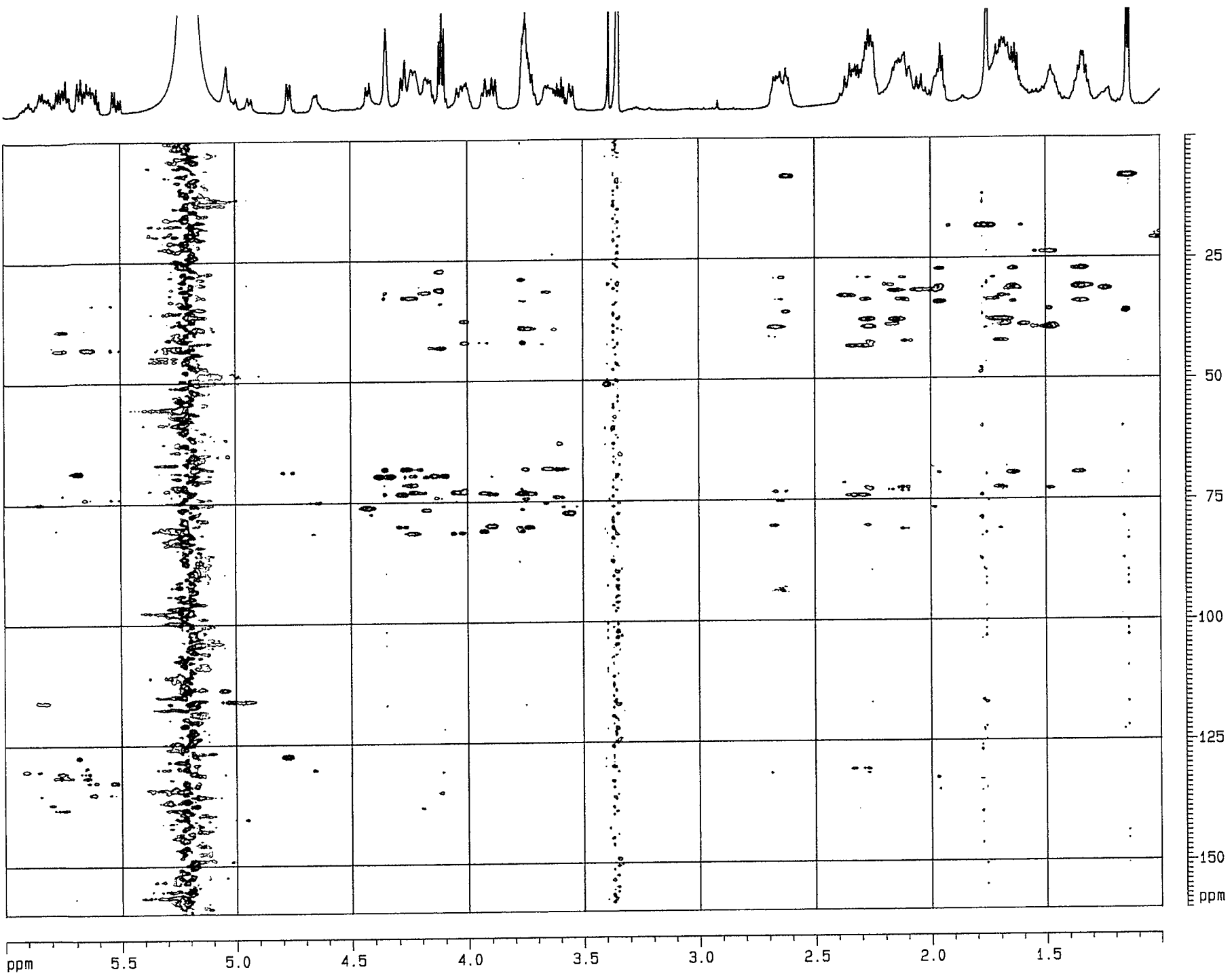


Figure 9. HOHAHA spectrum of luteophanol A (1) in CD₃OD/C₅D₅N (2:1)

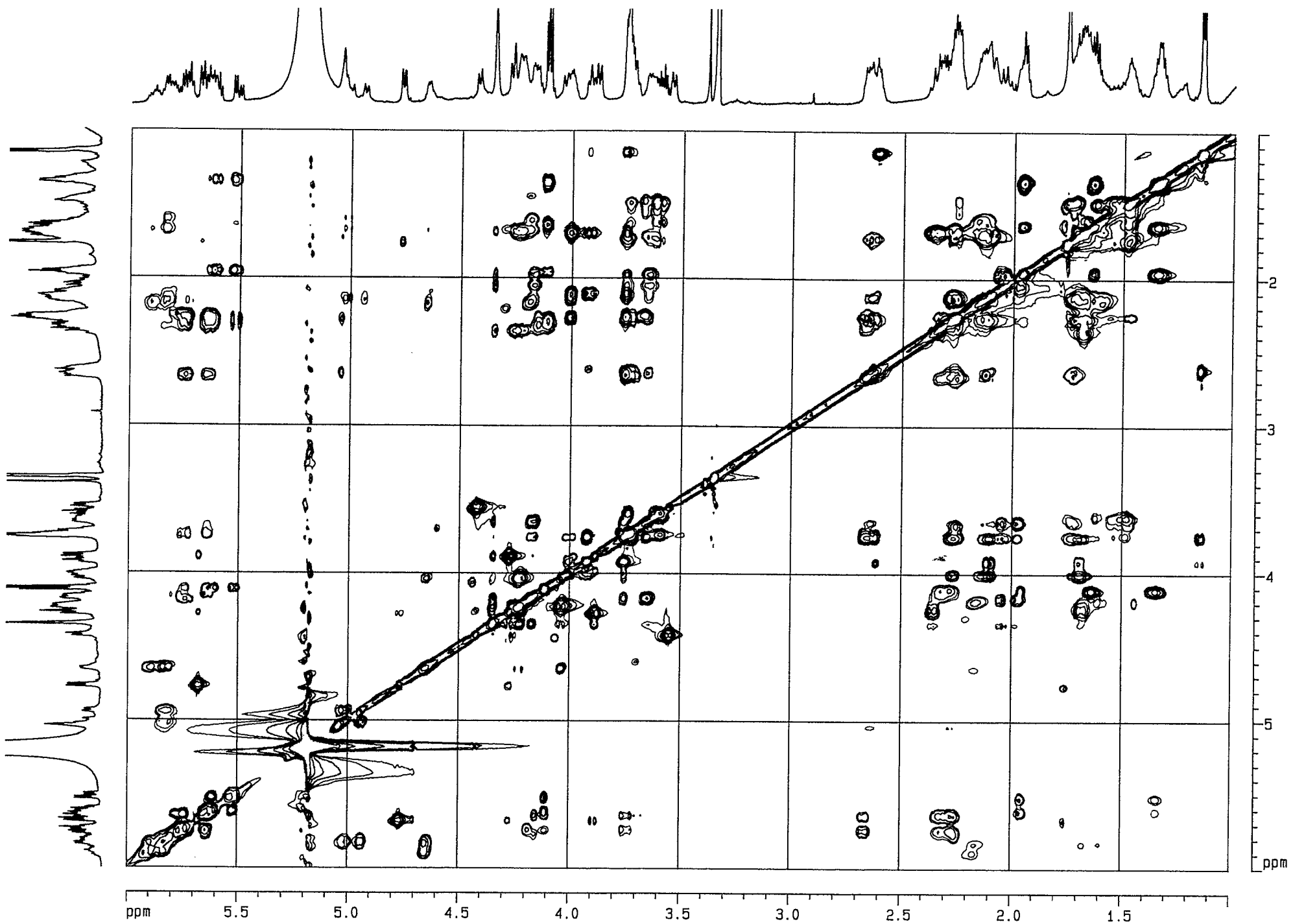


Figure 10 E-COSY spectrum of luteophanol A (1) in CD₃OD/C₅D₅N (2:1)

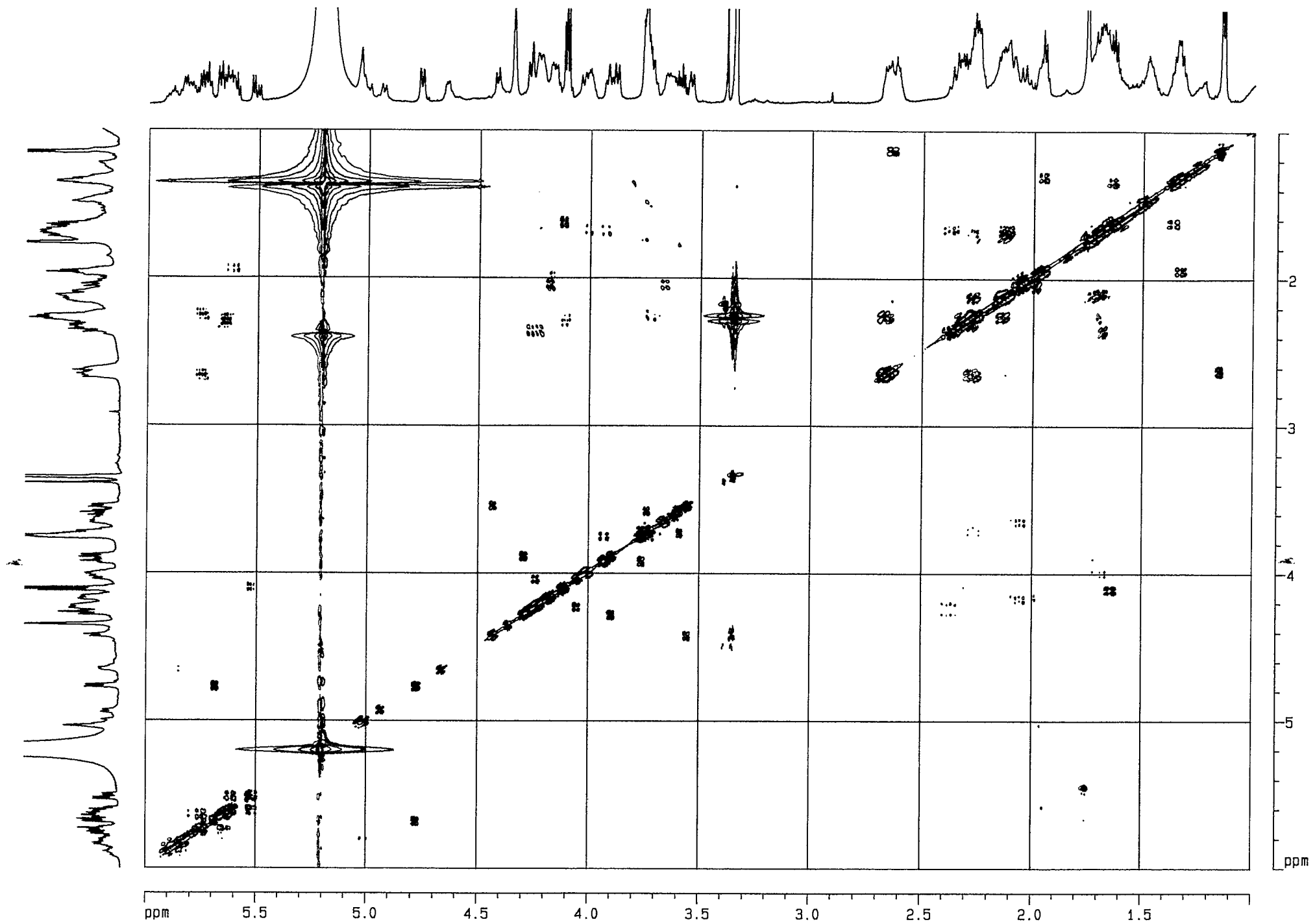


Figure 11 ROESY spectrum of luteophanol A (1) in CD₃OD/C₆D₆N (2:1)

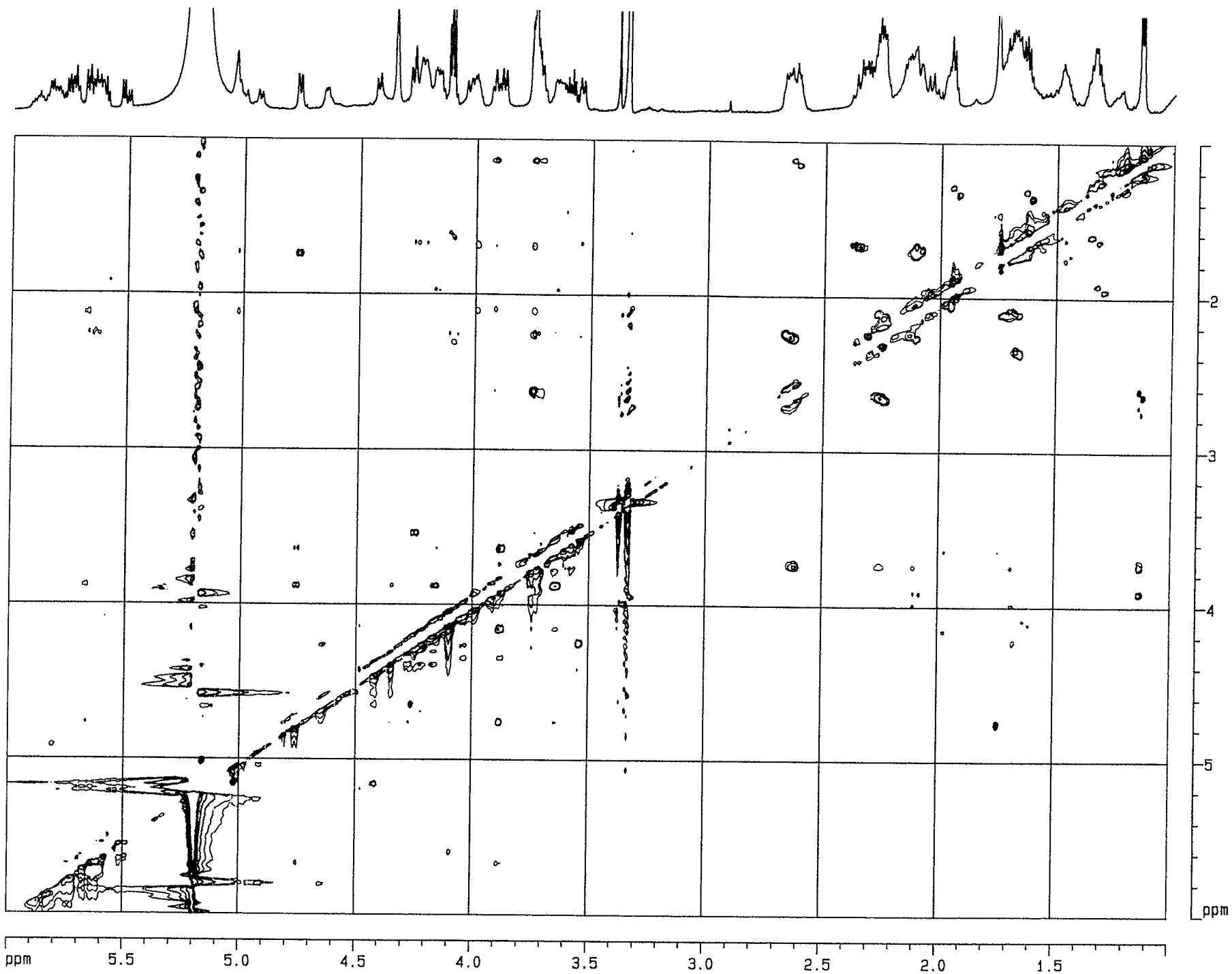
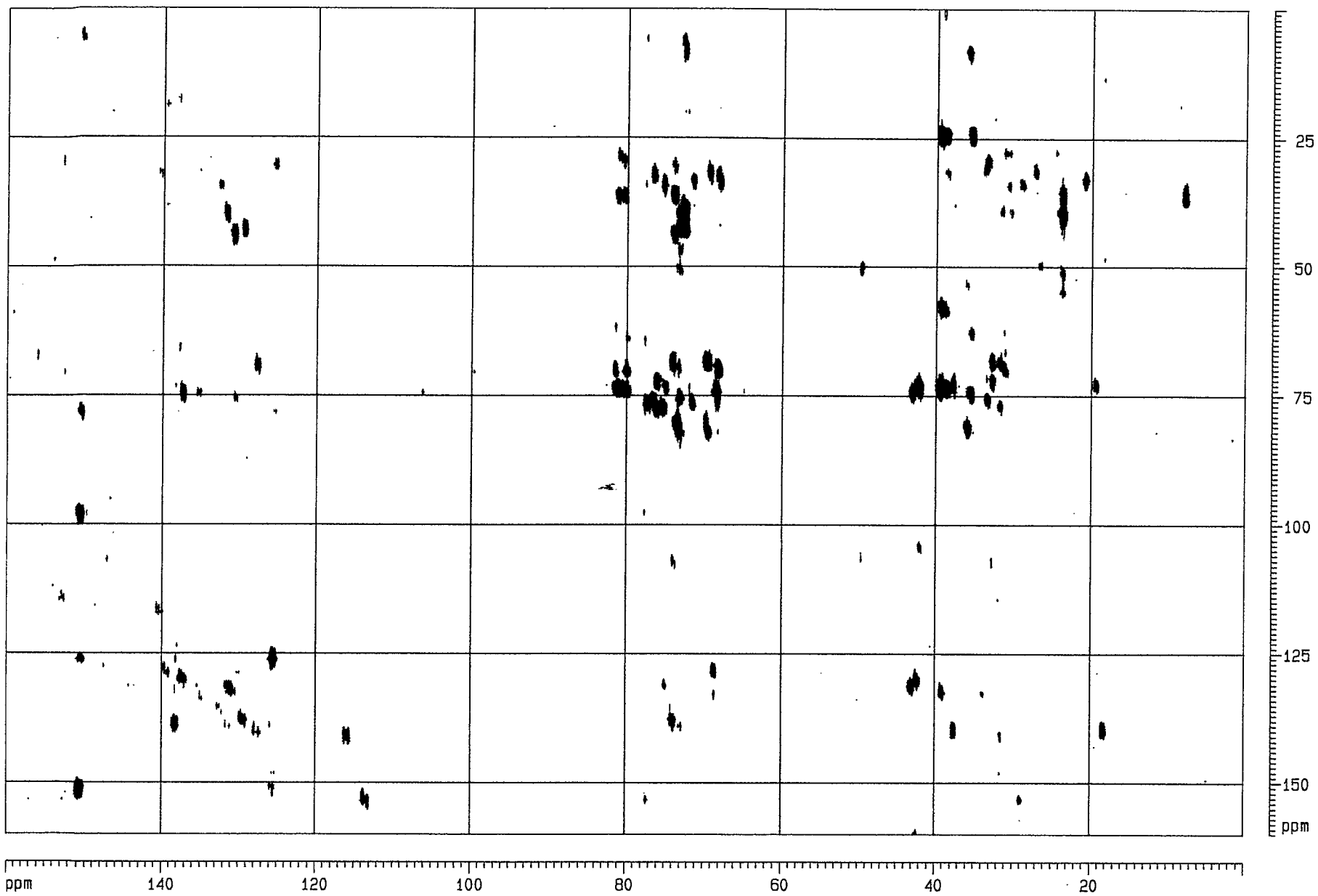
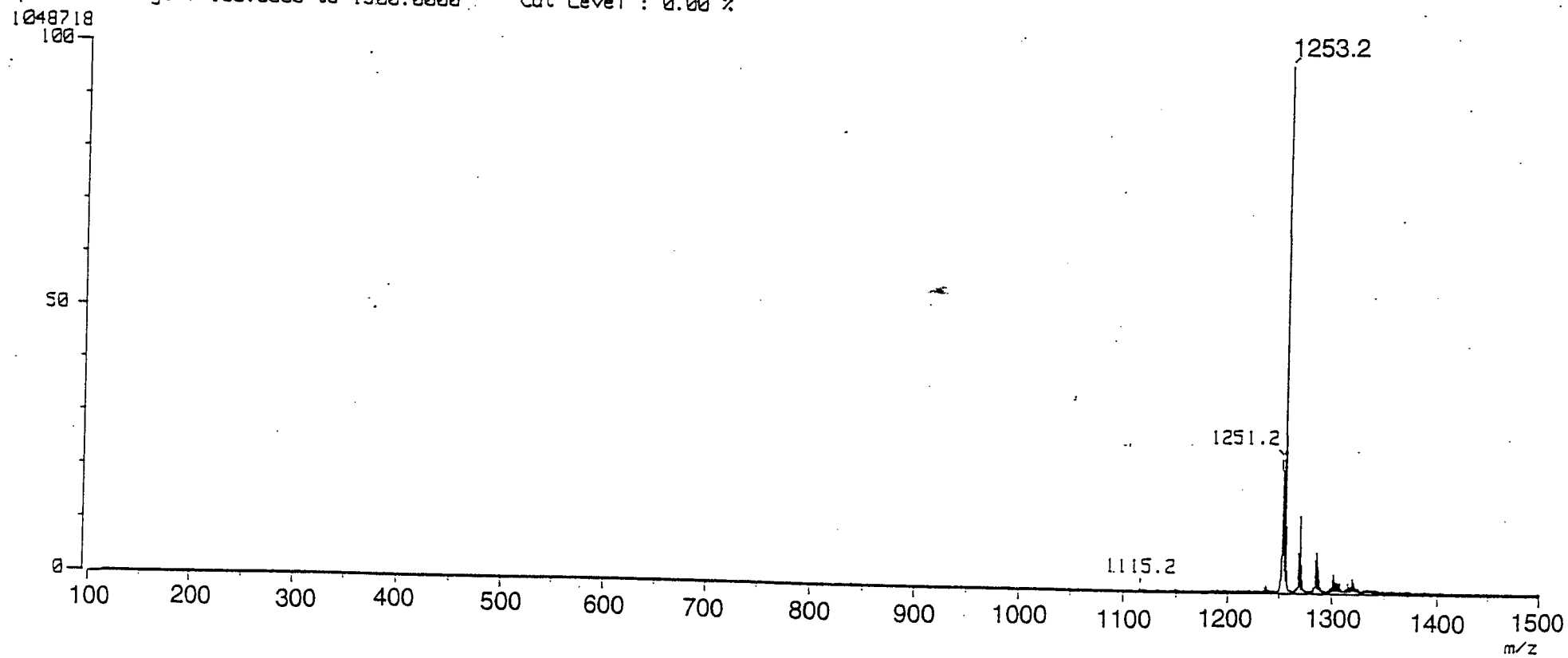


Figure 12 INADEQUATE spectrum of luteophanol A (1) in CD₃OD/C₅D₅N (2:1)



solvent : MeOH 100%

Inlet : Direct Ion Mode : ESI-
Spectrum Type : Normal Ion [MF-Linear]
RT : 1.09 min Scan# : (1,11) Temp : 0.0 deg.C
BP : m/z 1253.1942 Int. : 9.09
Output m/z range : 100.0000 to 1500.0000 Cut Level : 0.00 %



Precursor ion m/z 1253 ($M-H$)⁻

JMS-SX/SX102A Tandem Mass Spectrometer (BEBO)

Date : 02-Dec-96 10:21

Xenon FAB gun (6kV), accelerating voltage: 10kV

Collision gas: Ar (pressure to reduce the selected precursor ion intensity by 70 %)

Collision cell: floated at 5kV

Sample: 10 μ g/ μ L in MeOH was mixed with glycerol

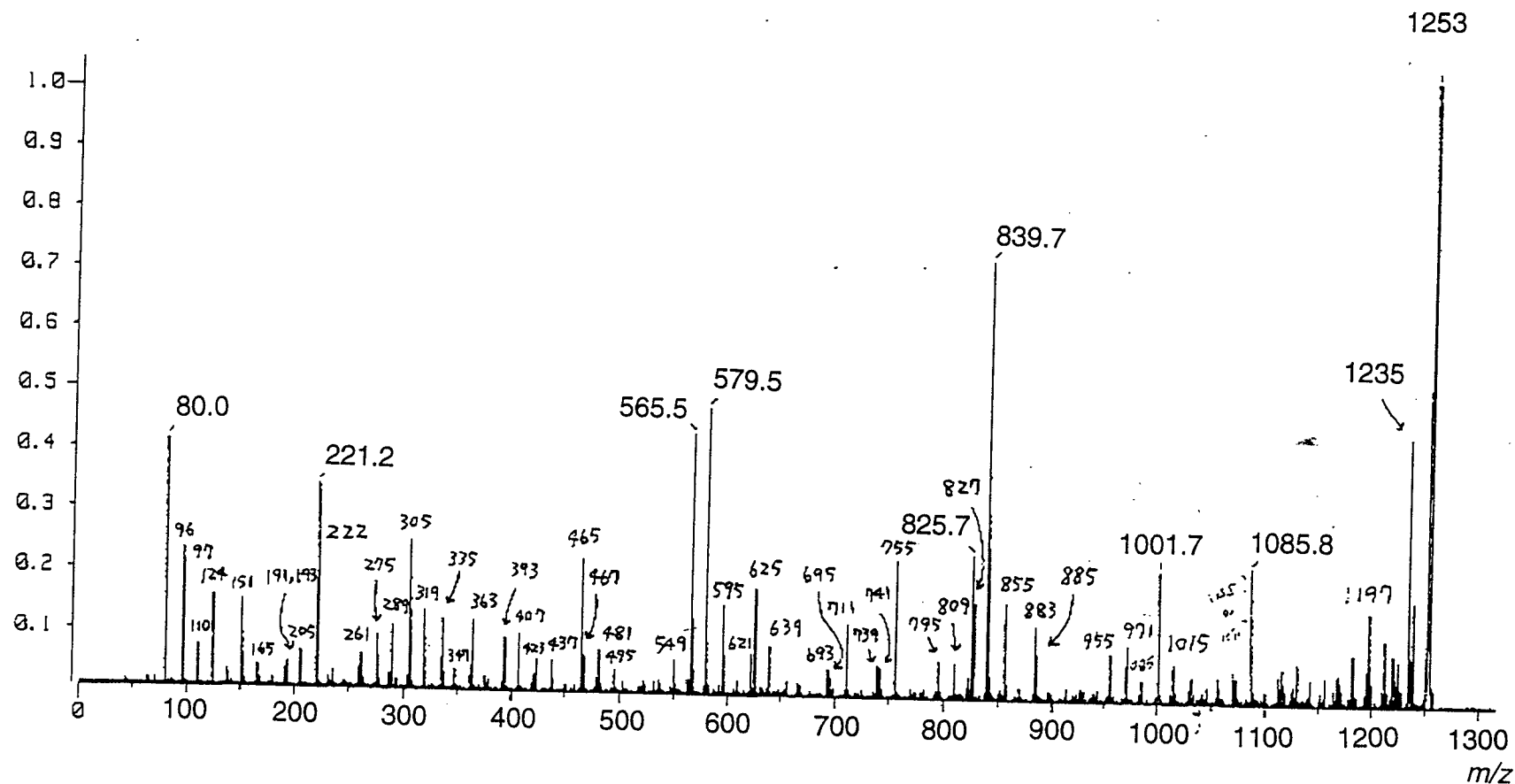


Figure 14 FAB-MS/MS spectrum of luteophanol A (1) precursor ion m/z 1253

Precursor ion m/z 1253 ($M-H$)⁻

JMS-SX/SX102A Tandem Mass Spectrometer (BEBE)

Date : 06-Dec-96 15:11

Xenon FAB gun (6kV), accelerating voltage: 10kV

Collision gas: Ar (pressure to reduce the selected precursor ion intensity by 70 %)

Collision cell: floated at no floated

Sample: 10 $\mu\text{g}/\mu\text{L}$ in MeOH was mixed with glycerol

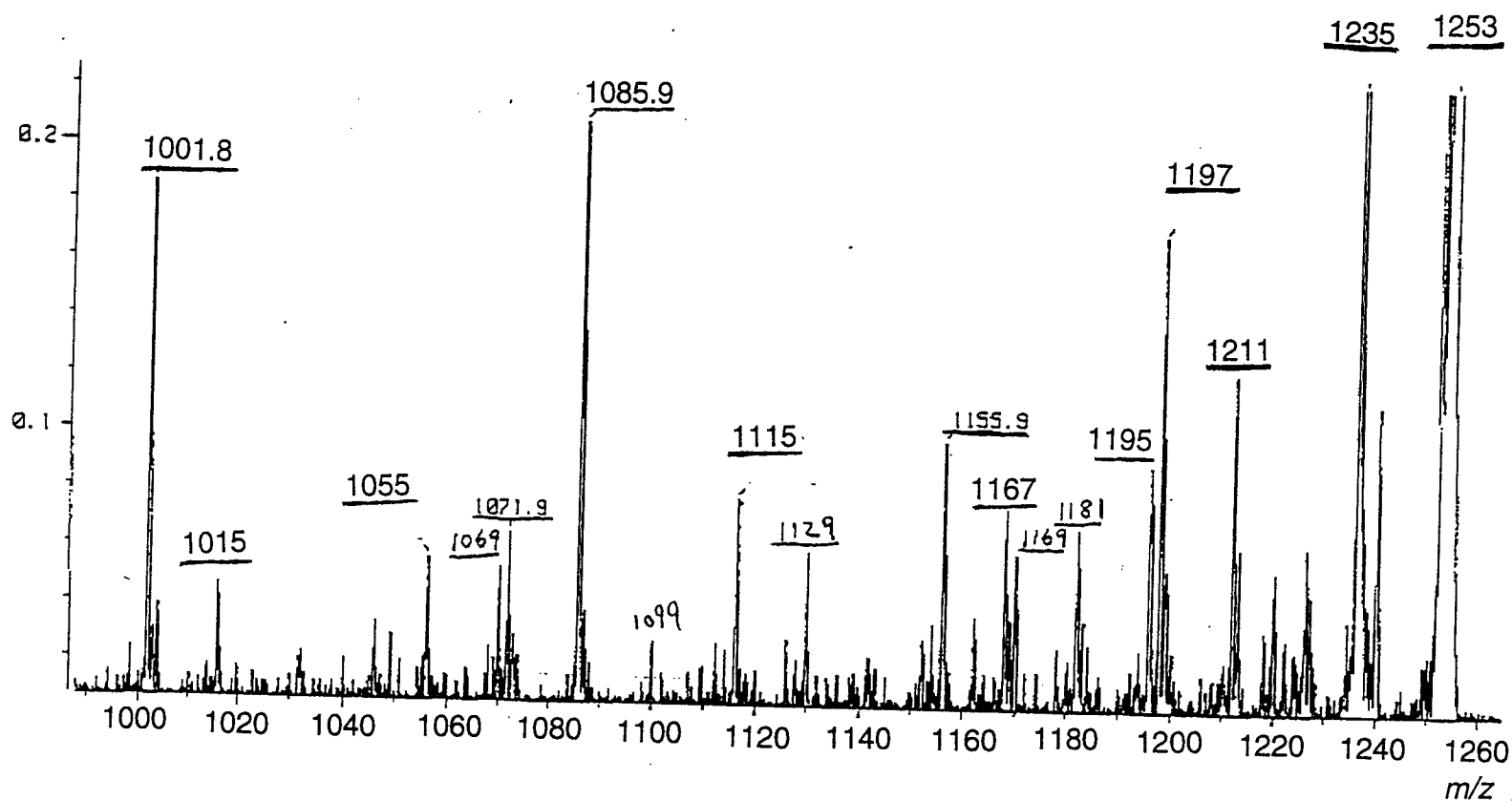


Figure 15 FAB-MS/MS spectrum (m/z 1001~ m/z 1253) of luteophanol A (1) precursor ion m/z 1253

[Mass Spectrum]

Data : Y52-B2112-565

Date : 02-Dec-96 10:50

Sample: Y52-B2112 (10ug) /MeOH

Note : Neg.FAB MS/MS (G) FC=5 Ar T.I /R: 1,000

Inlet : Direct

Ion Mode : FAB-

Spectrum Type : Product (m/z 565.20, 3rd FFR, FC: 5.00kV)

RT : 1.13 min

Scan# : (3,8)

Temp : 0.1 deg.C

BP : m/z 565.4829

Int. : 51.68

Output m/z range : 0.0000 to 593.4600

Cut Level : 0.01 %

