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Figure 1. ^{1}H NMR spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

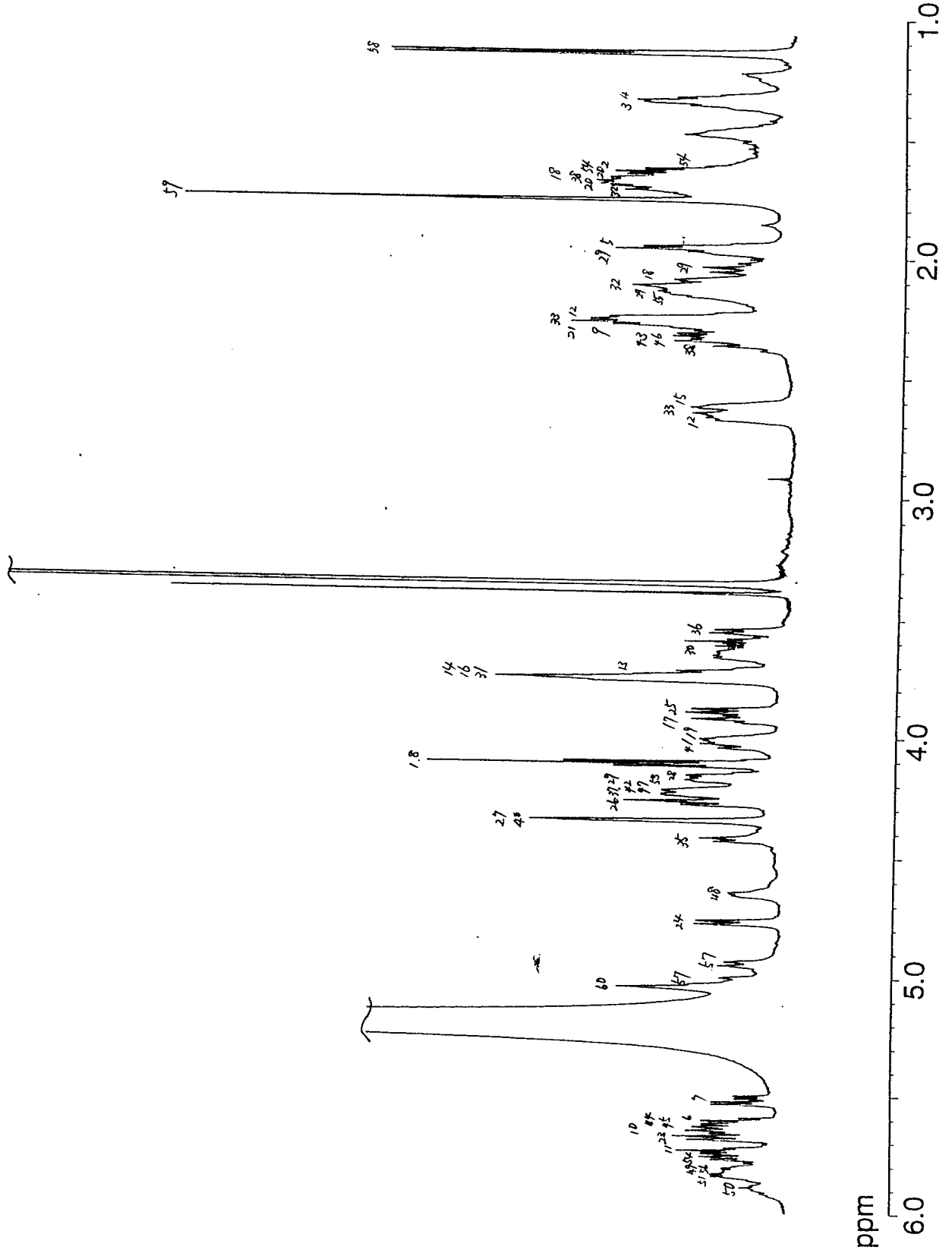


Figure 2. ^{13}C NMR spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

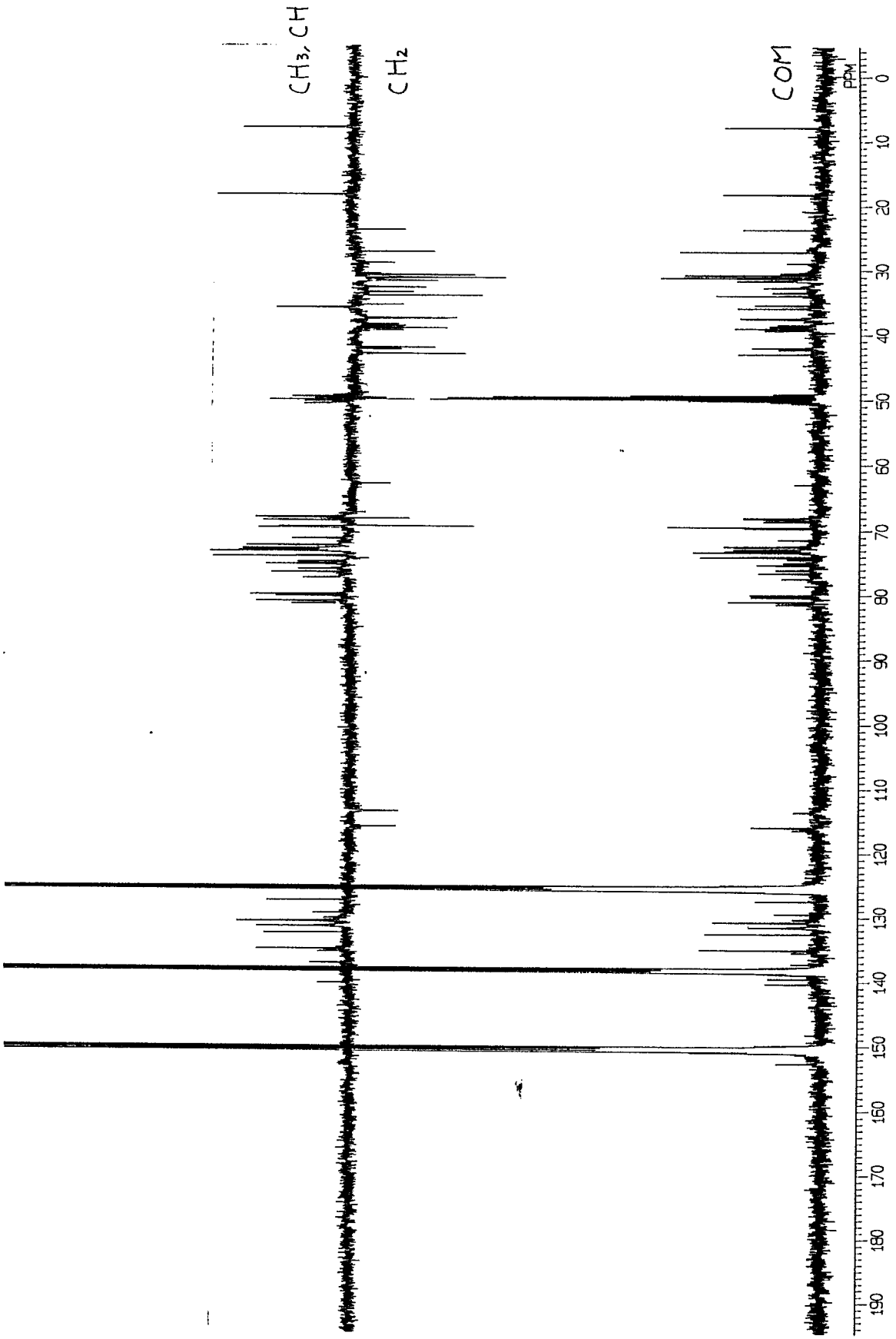


Figure 3. ^{13}C NMR spectrum of luteophanol A (1) in CD_3OH/C_5D_5N (2:1)

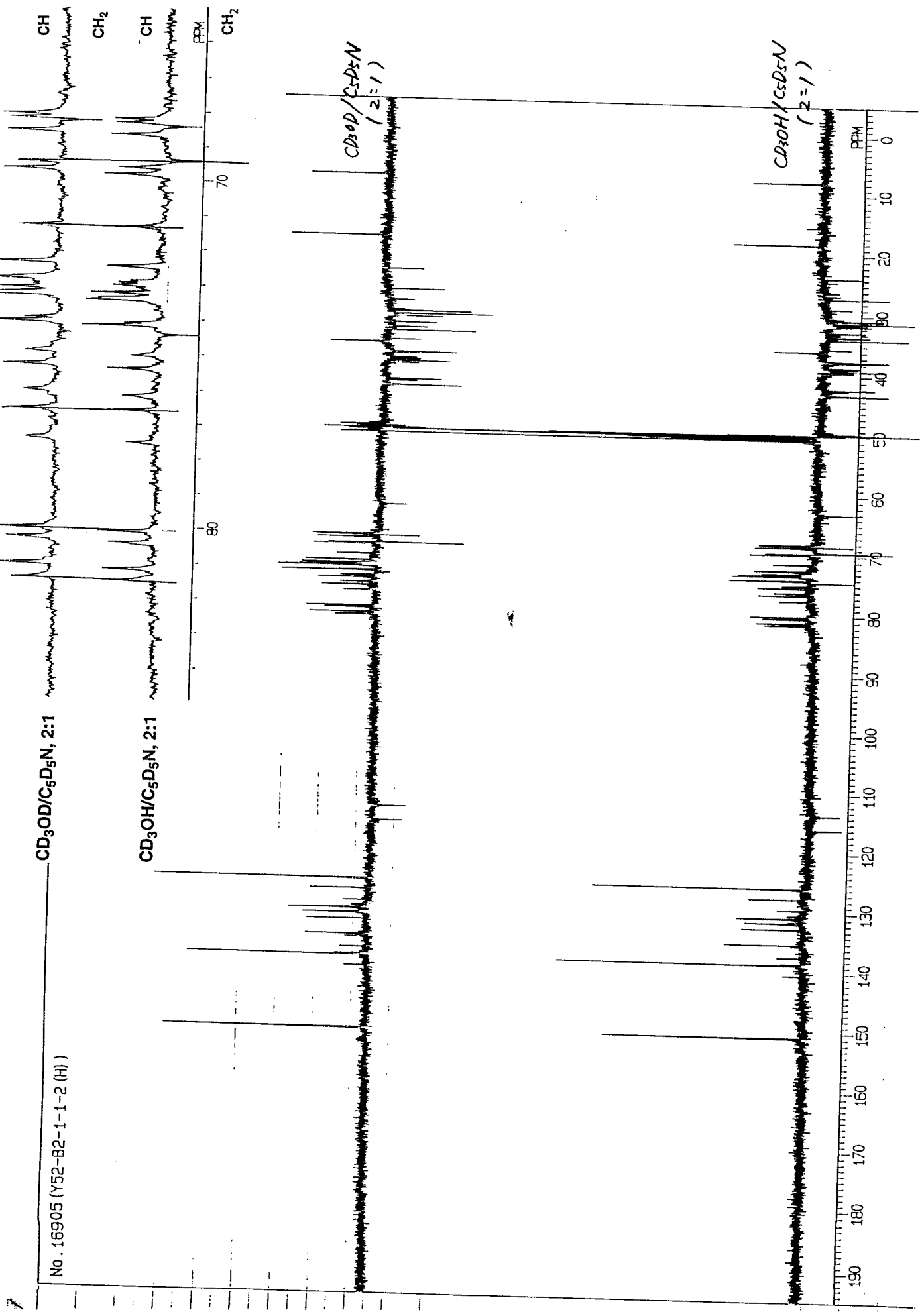


Figure 4. DQF-COSY spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

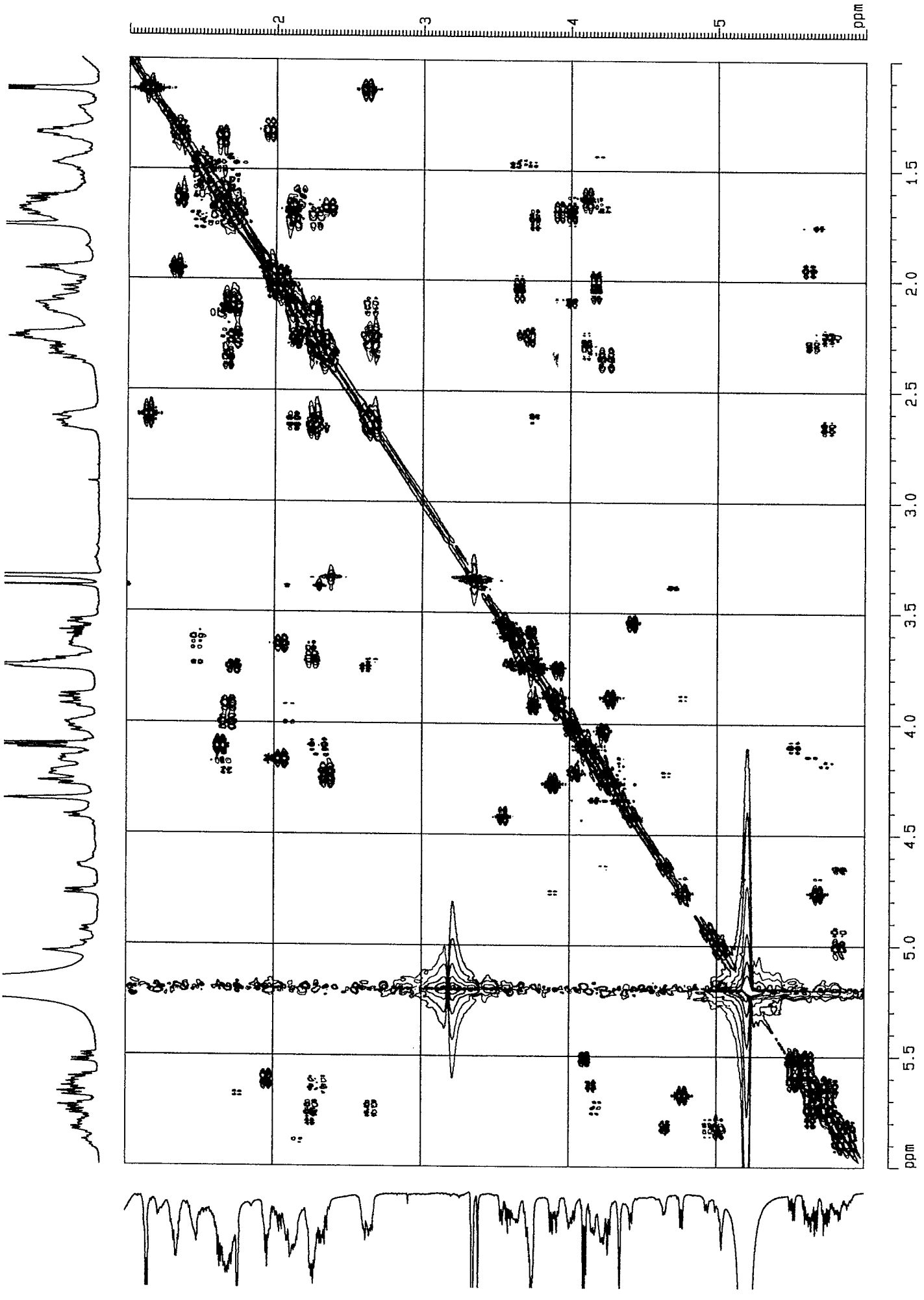


Figure 5. HSQC spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

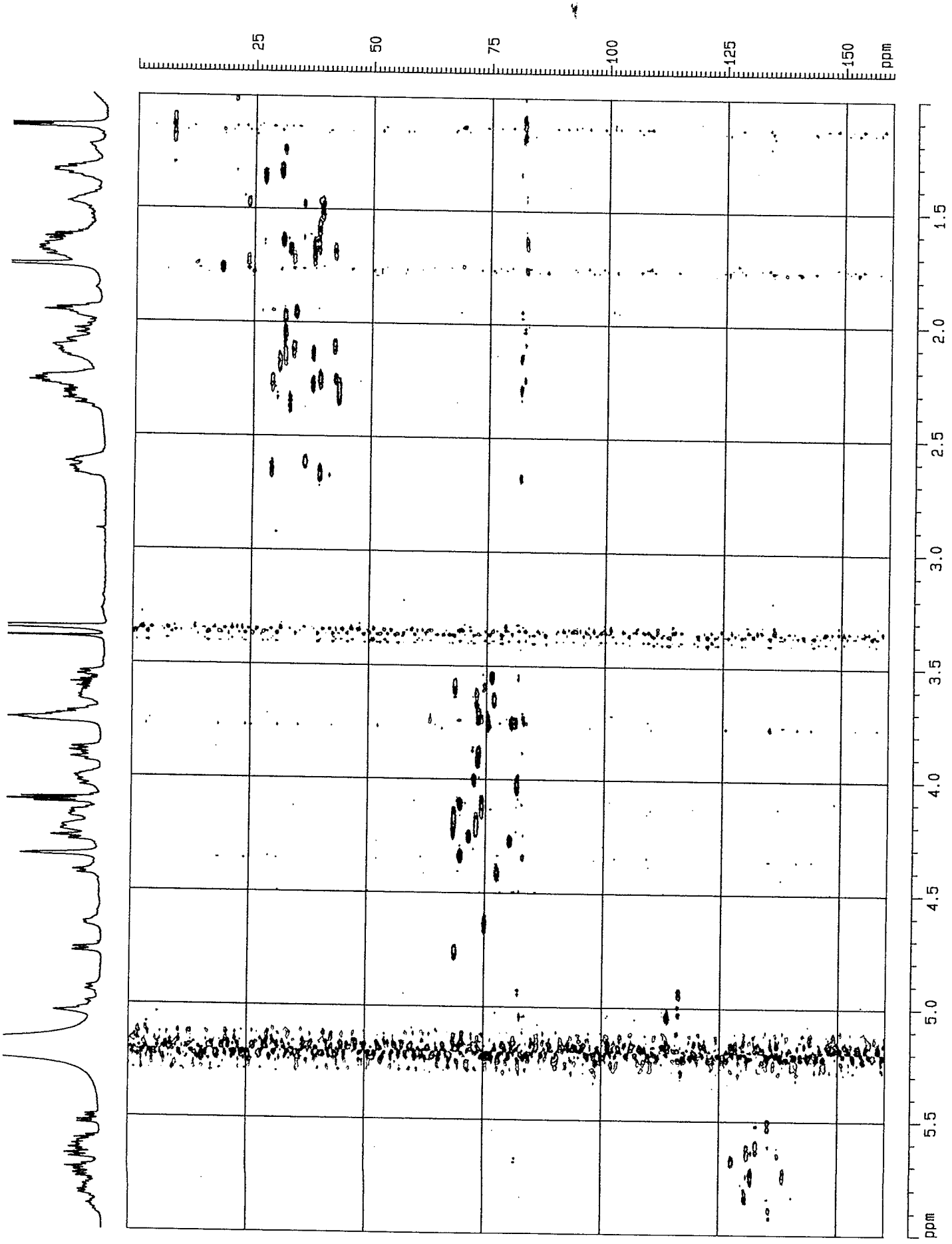


Figure 6 PFG HMBC spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

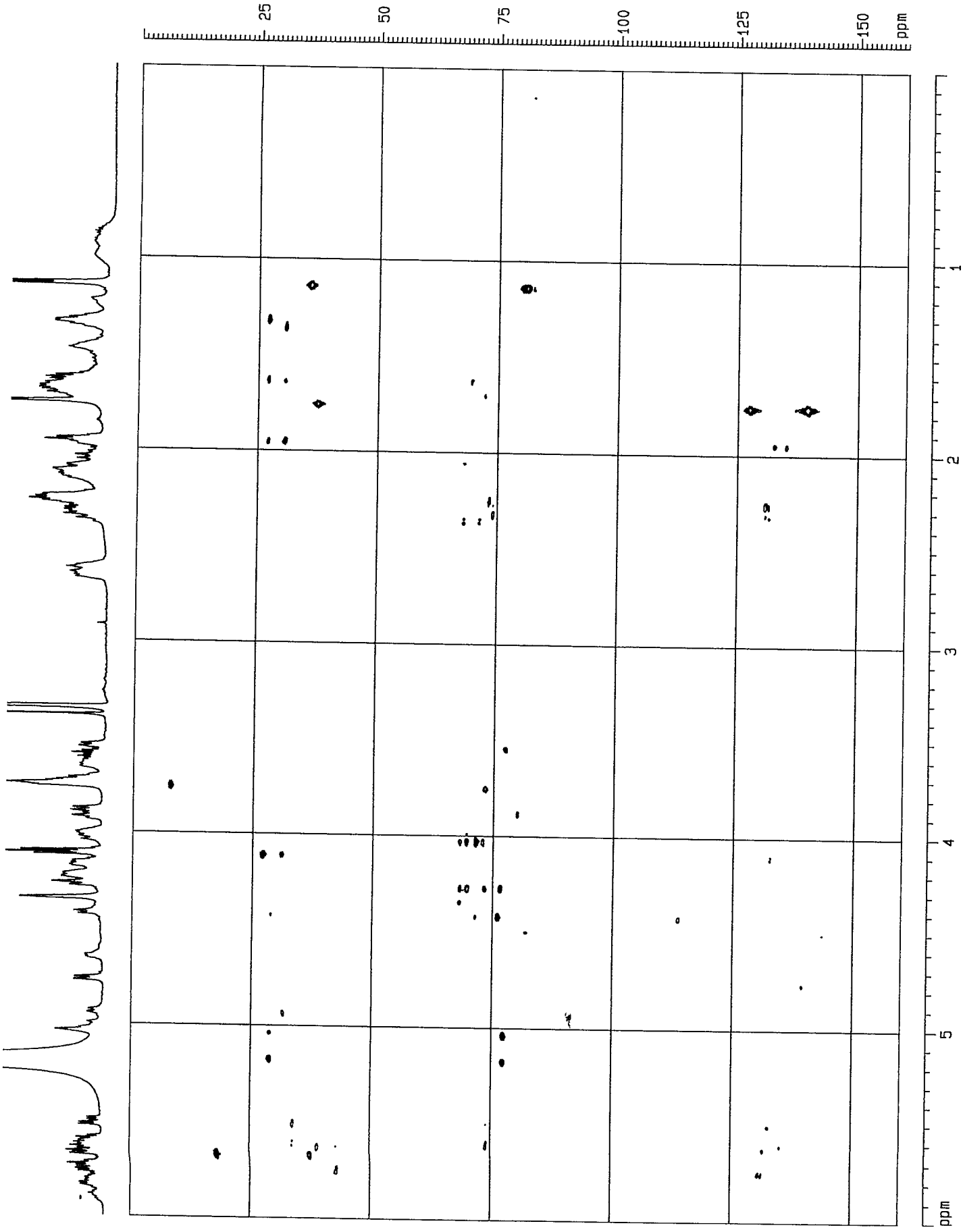


Figure 7. HMBC spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

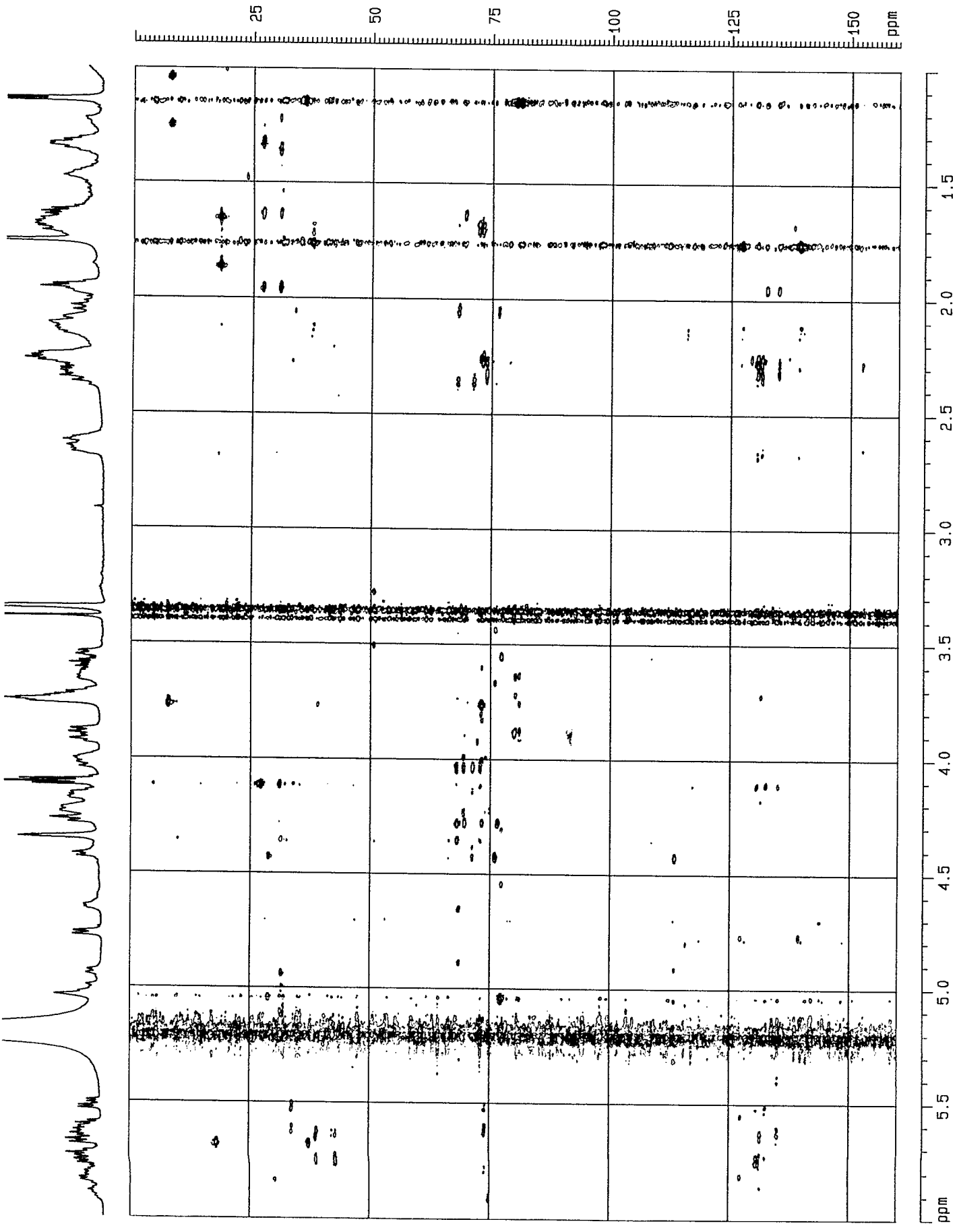


Figure 8 HSQC-HOHAHA spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

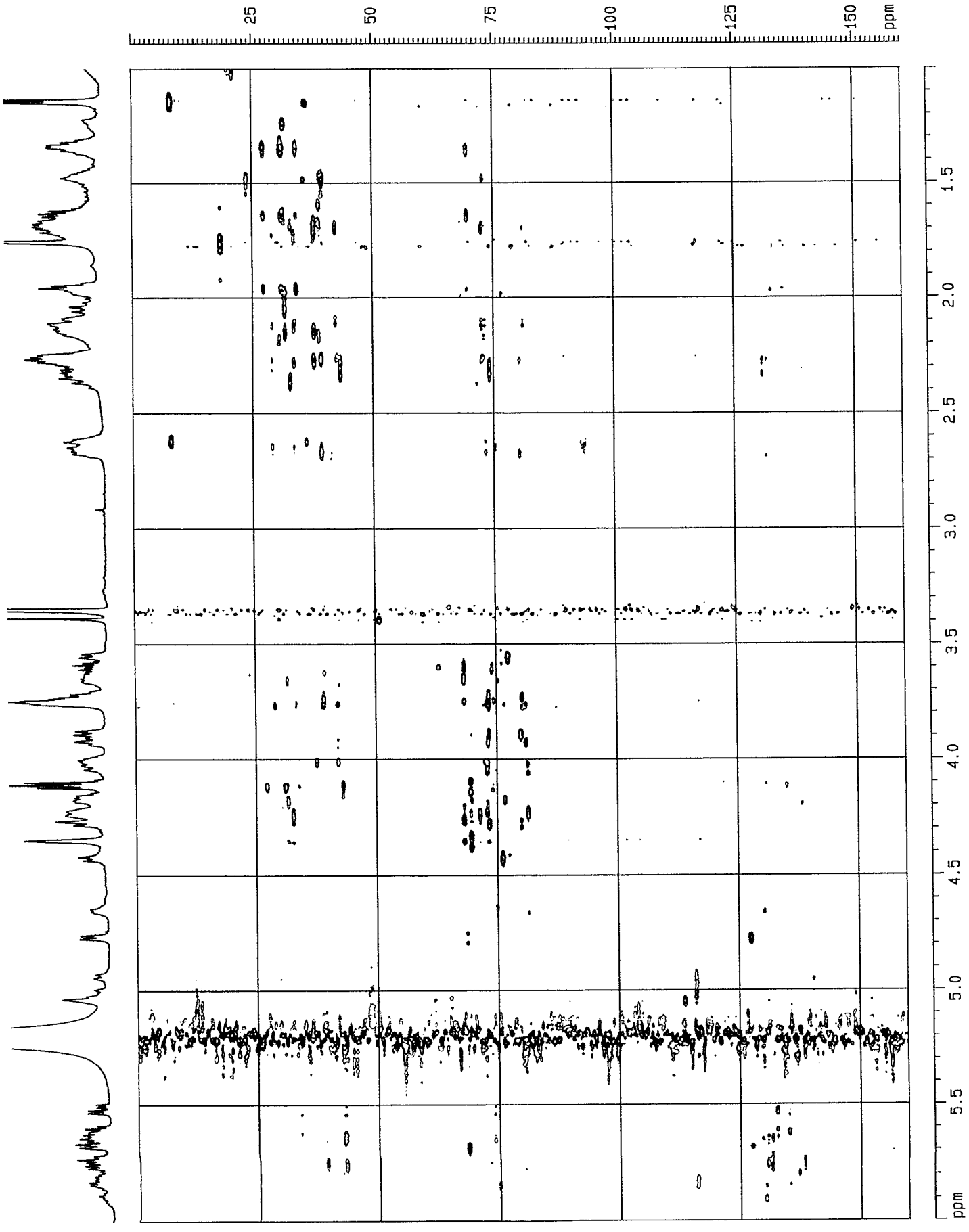


Figure 9. HOHAHA spectrum of luteophanol A (**1**) in CD_3OD/C_5D_5N (2:1)

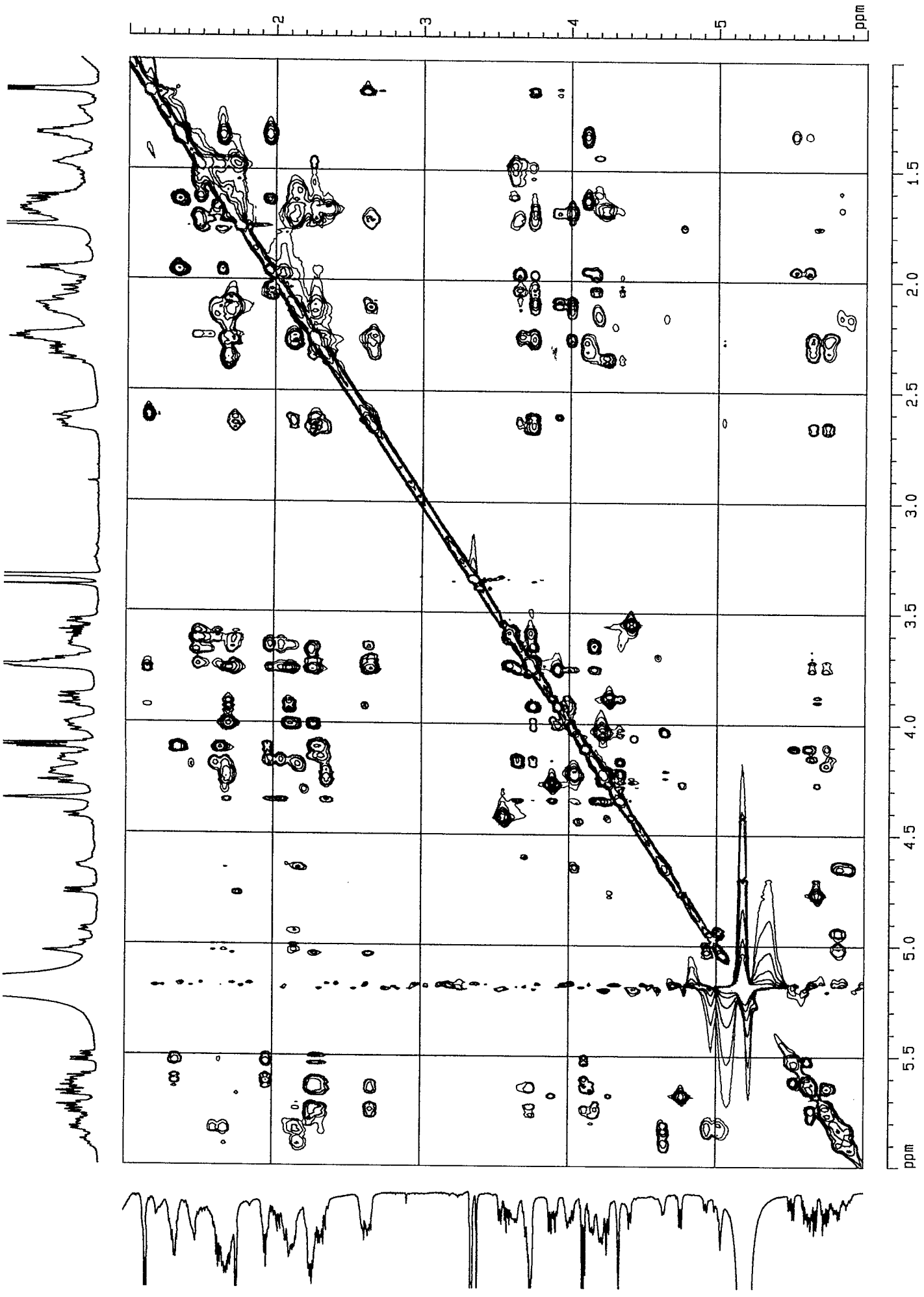


Figure 10 E-COSY spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

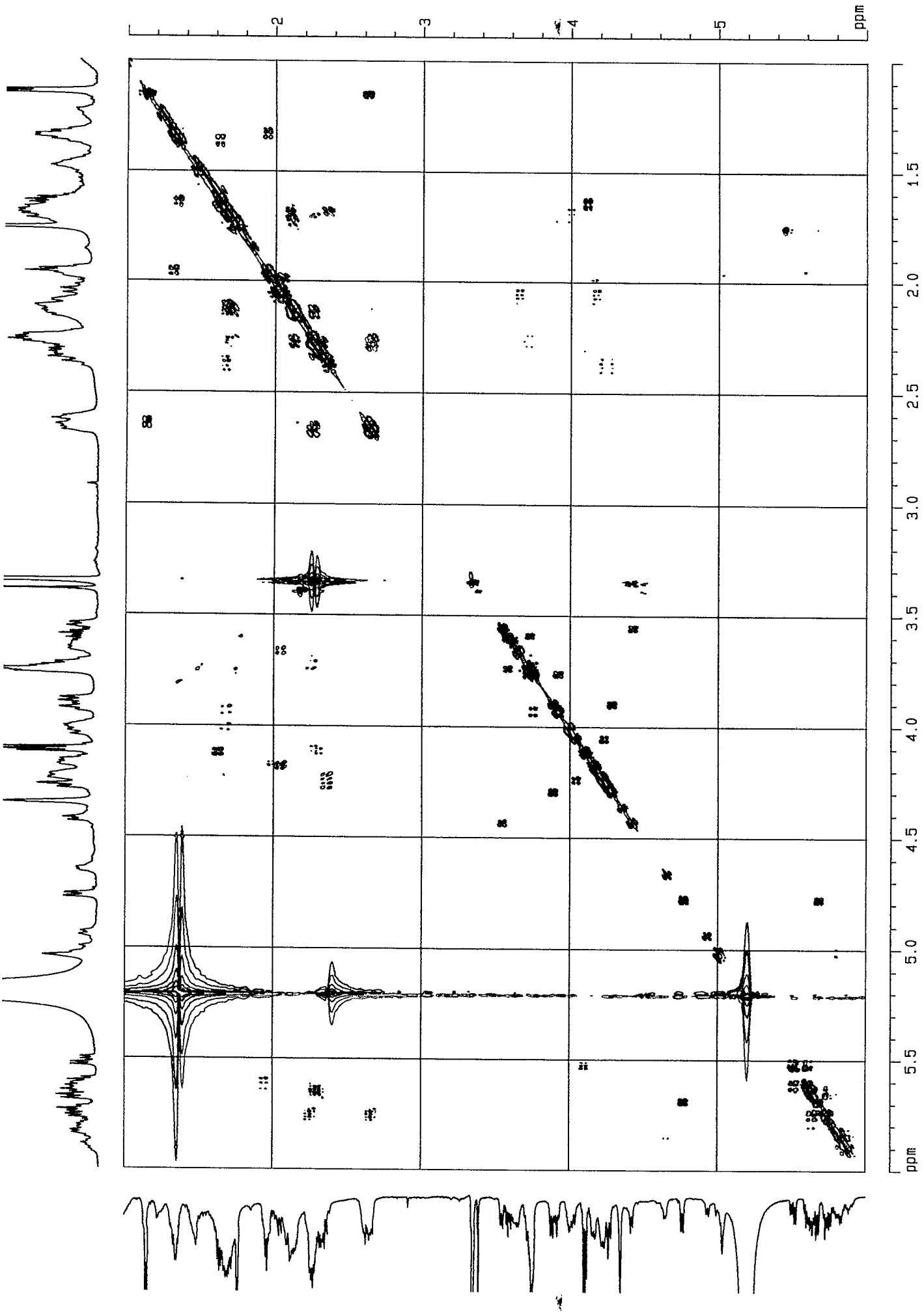


Figure 11 ROESY spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)

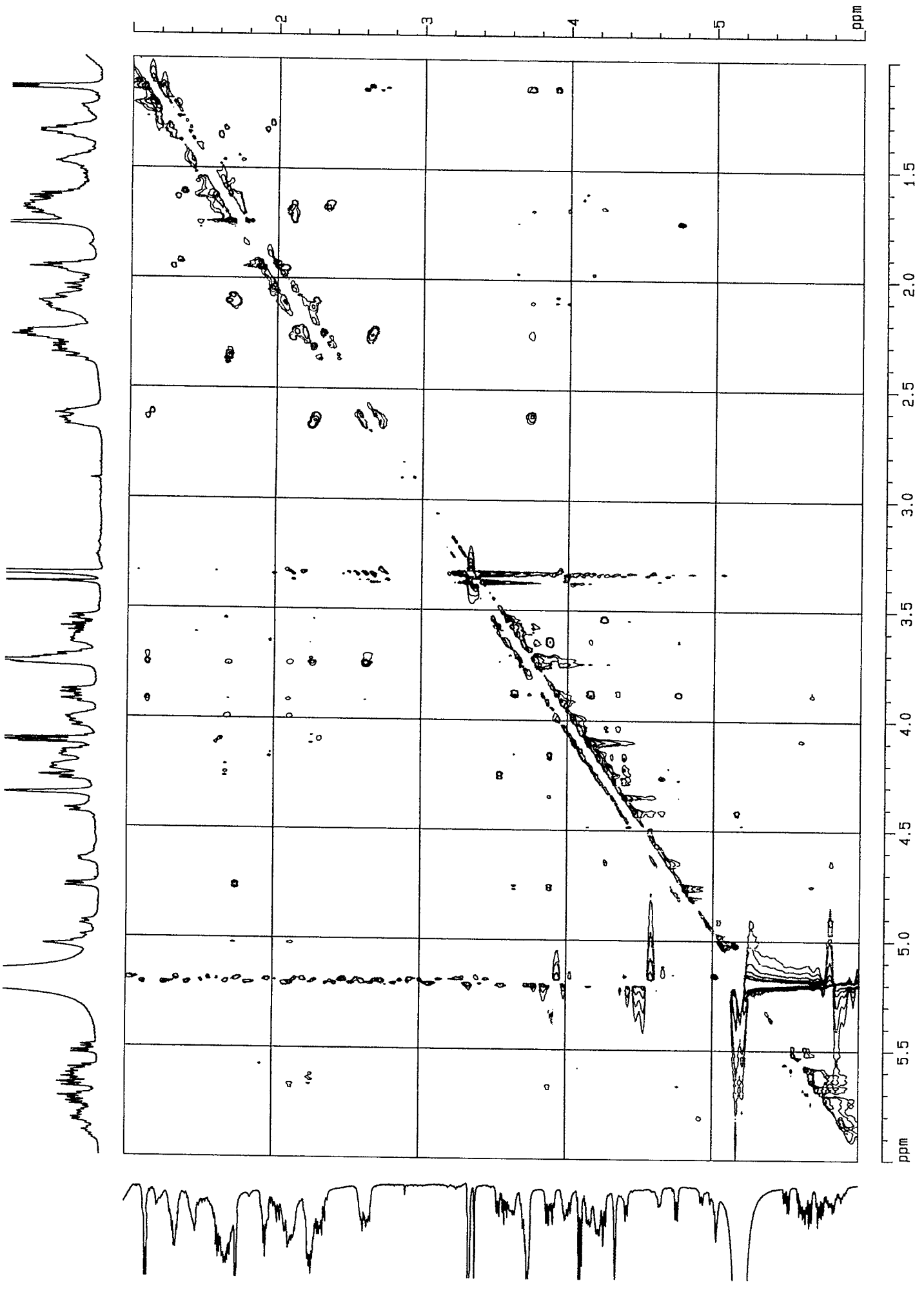
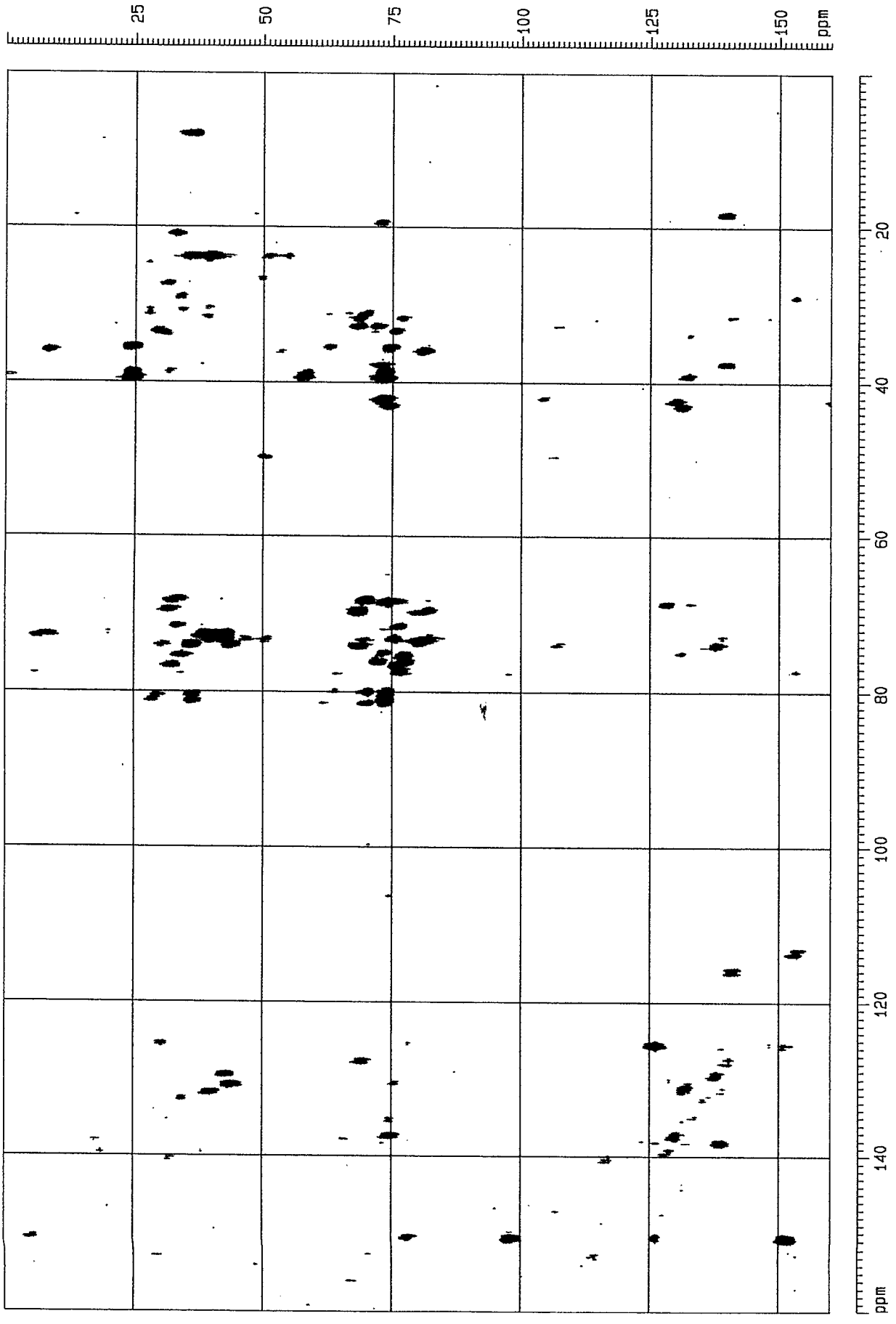
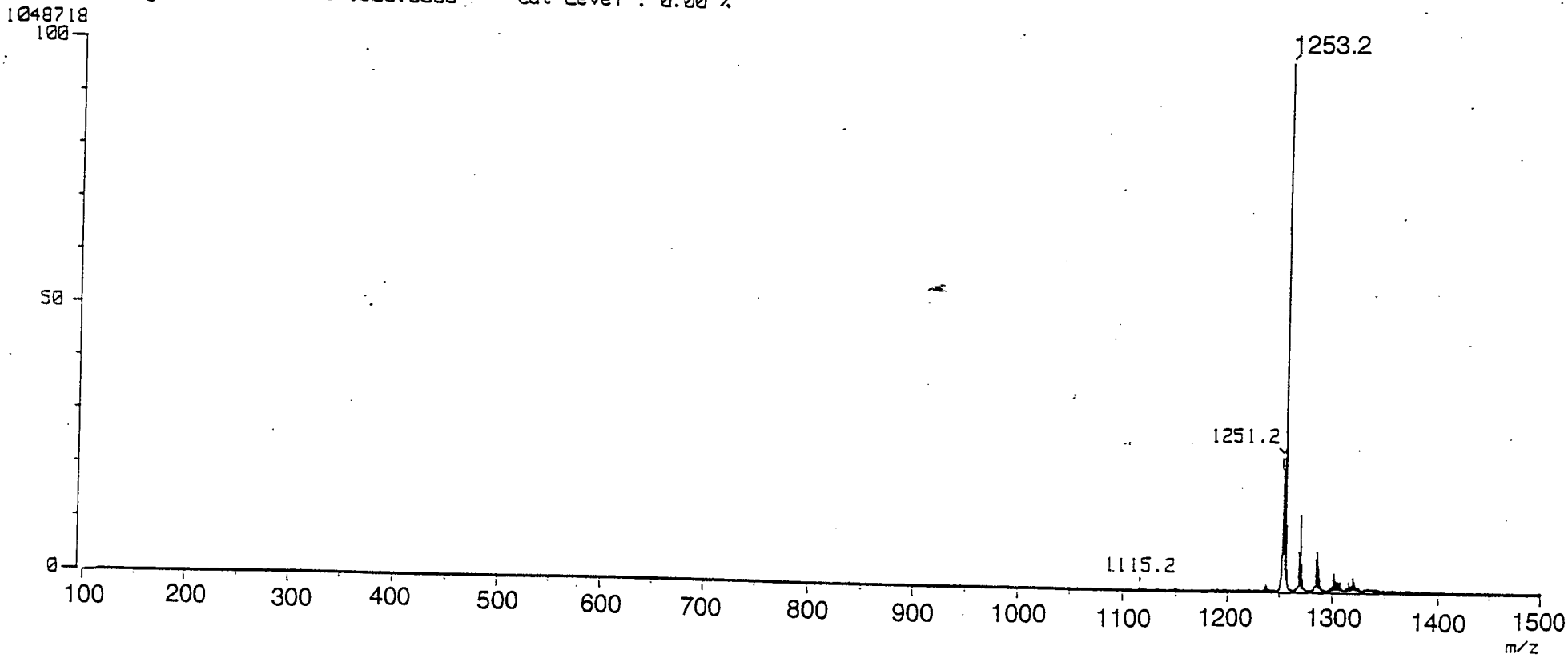


Figure 12 INADEQUATE spectrum of luteophanol A (1) in CD_3OD/C_5D_5N (2:1)



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 (BEBE)
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: 10μg/μL in MeOH was mixed with glycerol

Date : 02-Dec-96 10:21

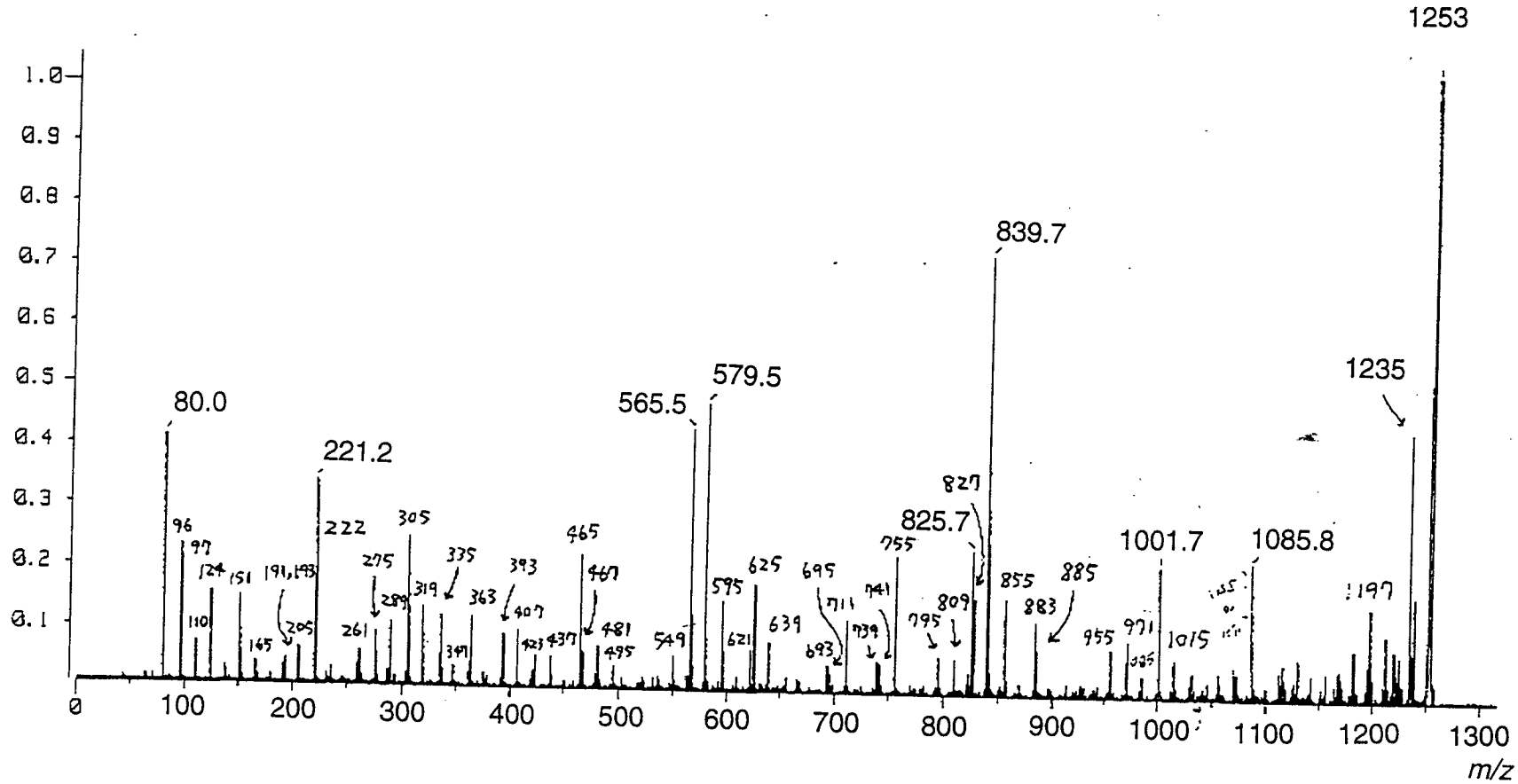


Figure 14 FAB-MS/MS spectrum of luteophanol A (1) precursor ion *m/z* 1253

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 μg/μL in MeOH was mixed with glycerol

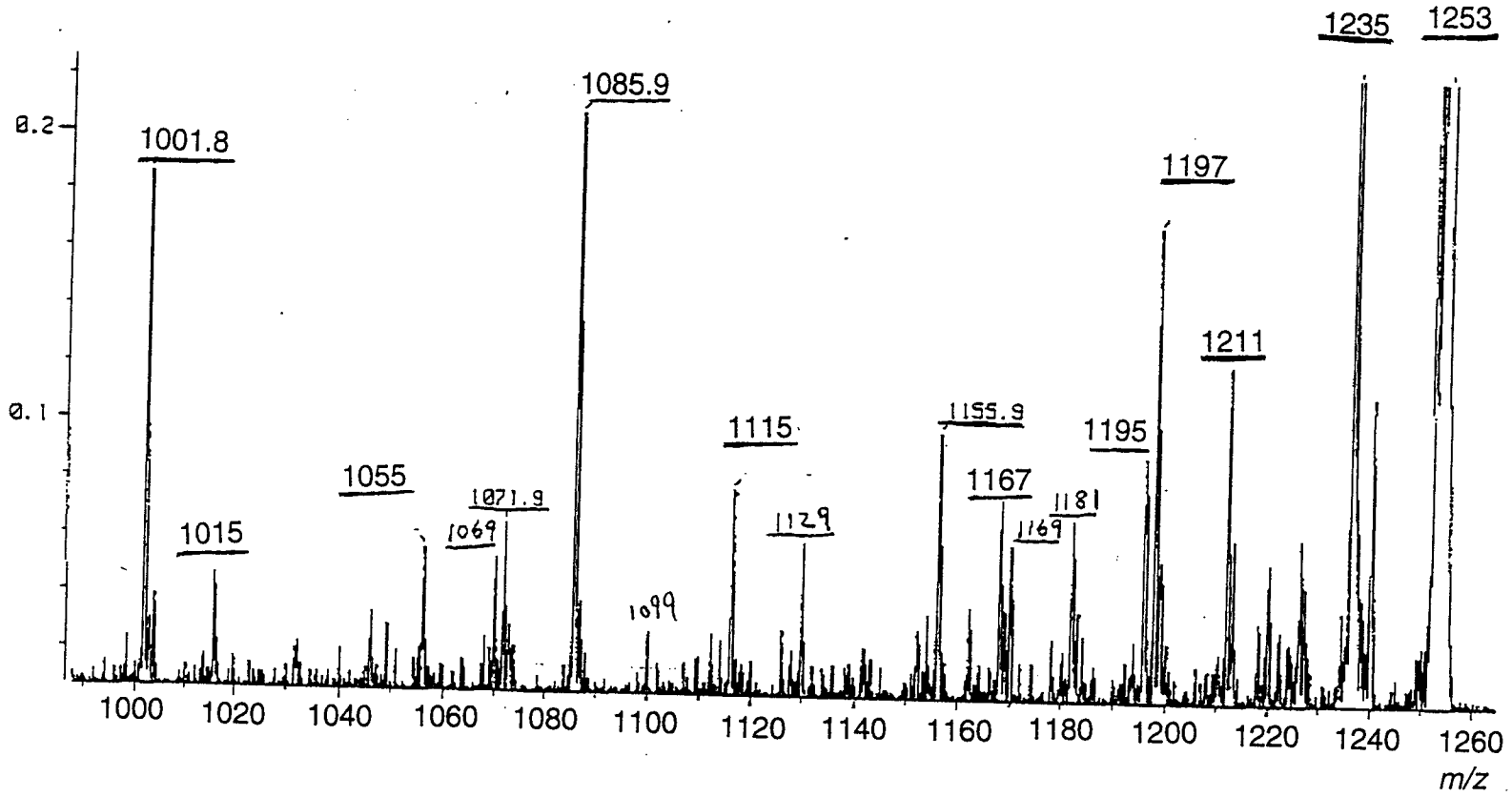


Figure 15 FAB-MS/MS spectrum (*m/z* 1001~*m/z* 1253) of luteophanol A (1) precursor ion *m/z* 1253

[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 %