

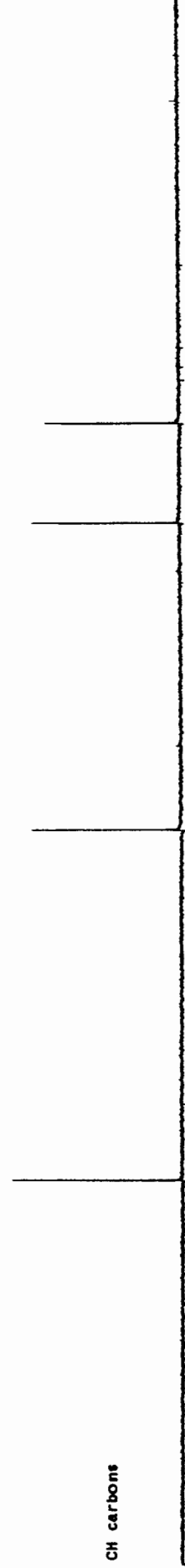
CH3 carbons



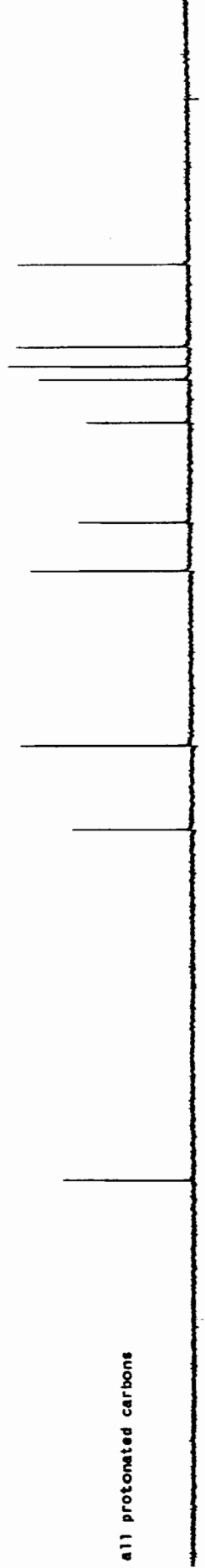
CH2 carbons



CH carbons

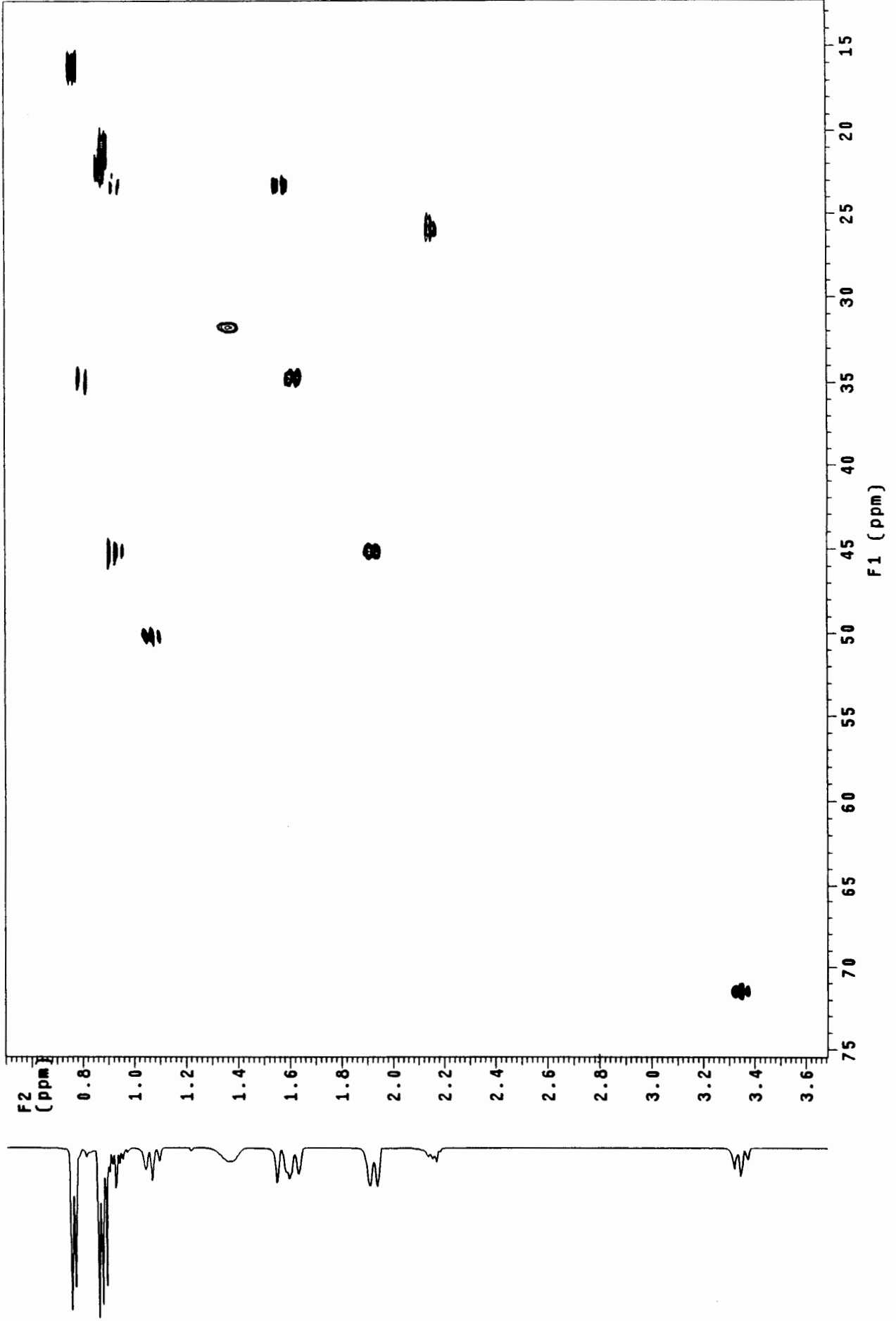


all protonated carbons



90 80 70 60 50 40 30 20 10 ppm

HMQC (DIAGONAL NOT SHOWN)

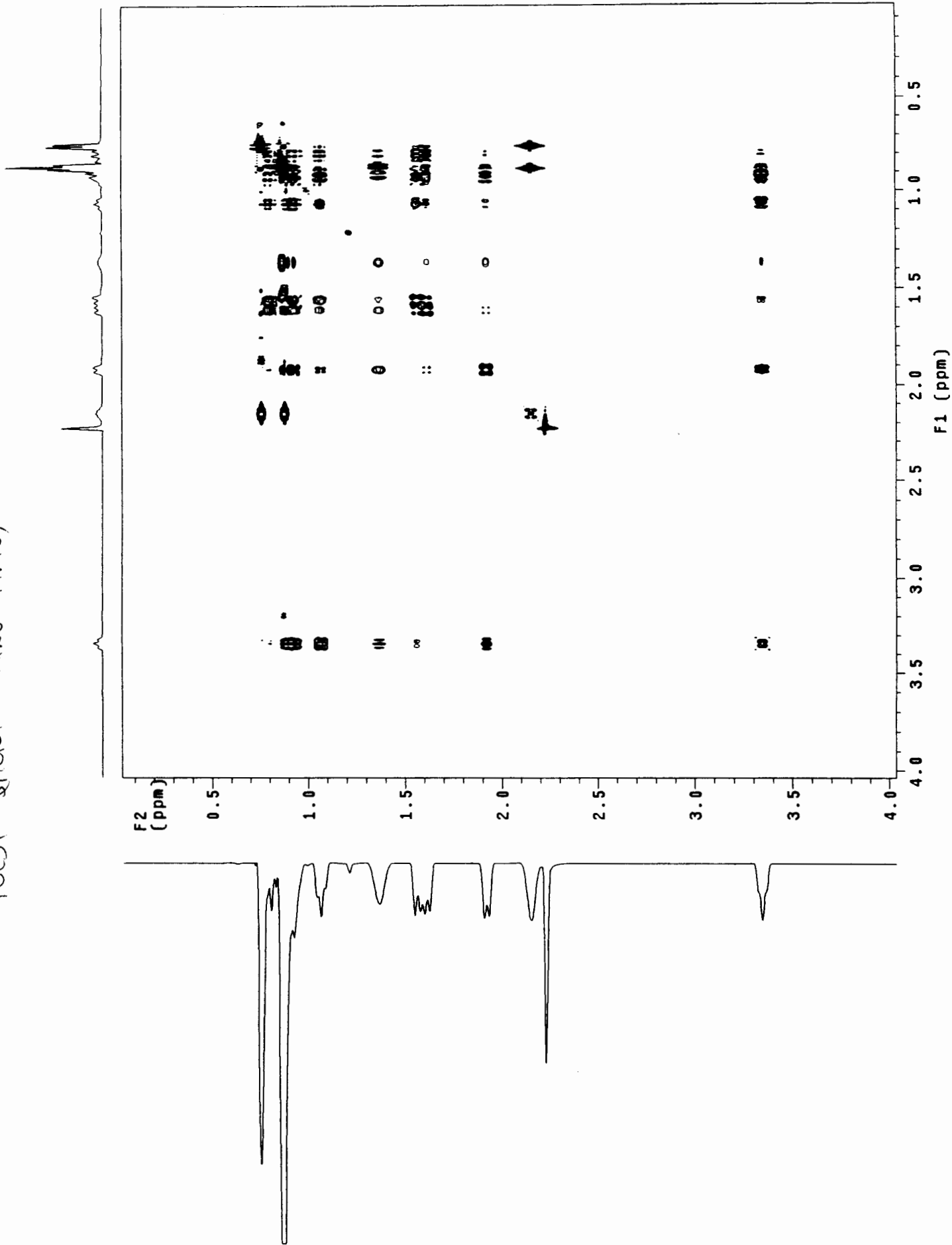


STANDARD PROTON PARAMETERS

Pulse Sequence: gcOSY  
Solvent: CDC13  
Ambient temperature  
INNOVA-500 "bullwinkle"  
PULSE SEQUENCE: gcOSY  
Relax. delay 1.000 sec  
Acq. time 0.143 sec  
Width 3590.7 Hz  
2D Width 3590.7 Hz  
4 repetitions  
128 increments  
OBSERVE H1, 499.7537722 MHZ  
DATA PROCESSING  
Sq. sine bell 0.071 sec  
F1 DATA PROCESSING  
Sq. sine bell 0.036 sec  
FT size 1024 x 1024  
Total time 10 min, 19 sec



TOCSY (SHORT MIXING TIME)



TOSY (LONG MIXING TIME)

