

APPENDIX A

Chemical compositions of physiological solutions which used in experimentation

Chemical composition (mM)	Physiological solution			
	Ca^{2+} solution			Ca^{2+} -free solution
	Jalon-Ringer	Lock-Ringer	Depolarizing	
NaCl	154	154	103.3	103.3
KCl	5.63	5.63	56.3	56.3
CaCl ₂	0.648	2.16	0.648	-
NaHCO ₃	5.95	5.95	5.95	5.95
MgCl ₂	-	2.10	-	-
Glucose	2.77	5.55	2.77	2.77
EDTA	-	-	-	0.01

(Source: Pérez-Guerrero et al., 1996).

APPENDIX B

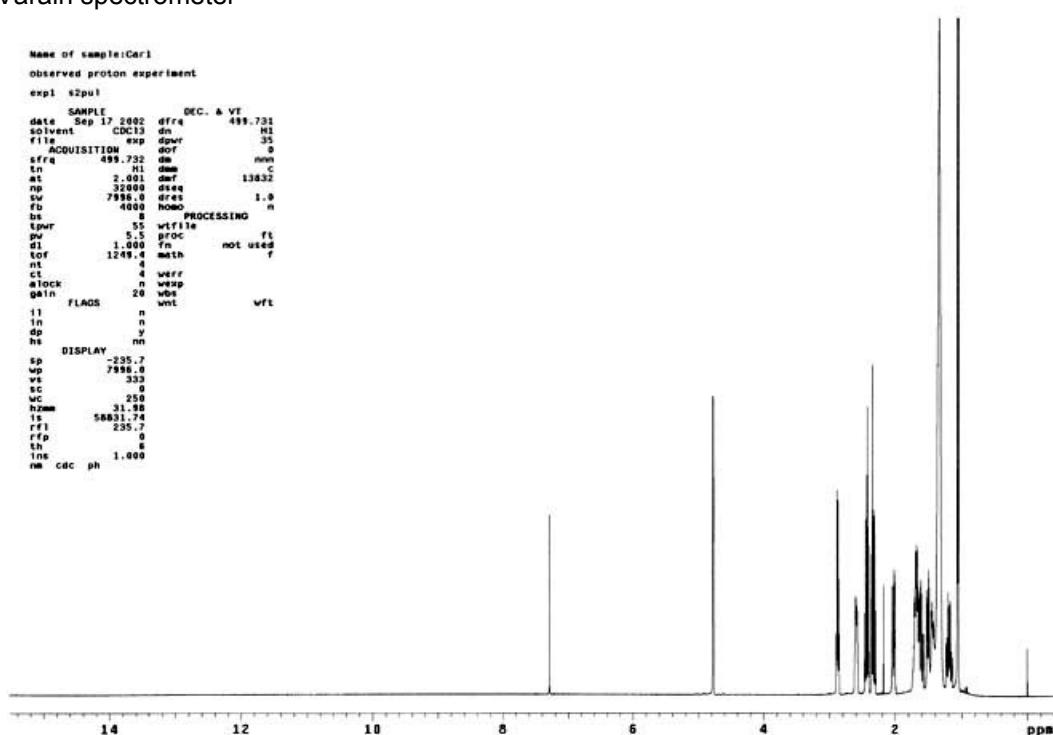
The representative spectra of ^1H NMR recorded on NMR 500 MHz model UNITY INOVA

Varain spectrometer

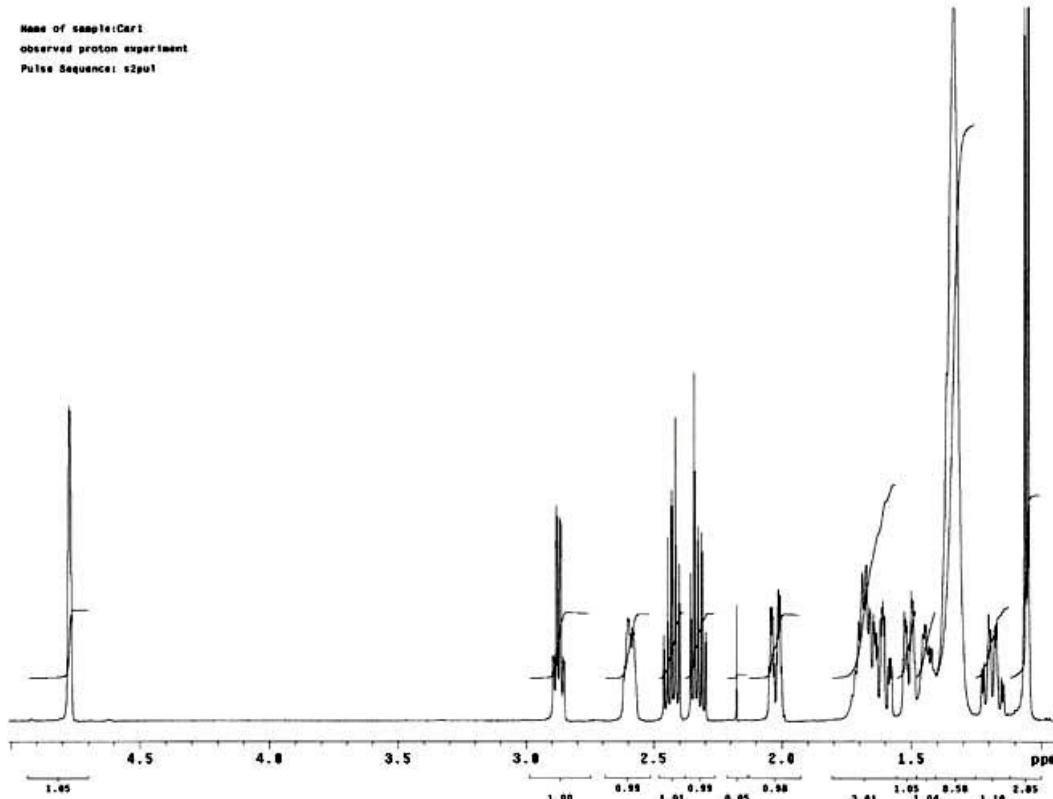
```
Name of sample:Carl
observed proton experiment
expt: s2pul

SAMPLE           DEC. & VE
date: Sep 17 2002 d7eq    499.731
solvent: CDCl3   100.000
file:      exp    dpwrf   35
          ACQUISITION dof      9
        499.732   dme    nmt
        H1      dme    c
at:      2.000   decr   13832
np:      32000   decr
sw:      7996.0   dres   1.9
fb:      40000   homo   n
bw:      1000.0   PROCESSING
tpwrf:   55      wfile
pw:      5.5     proc    ft
d1:      1.000   not used
t0f:    1249.4   meth
nt:      4
ct:      4
sclock:  wcr
nlock:  wexp
gain:   20      wbs
gains:  20      wnt
flaqs:  wft

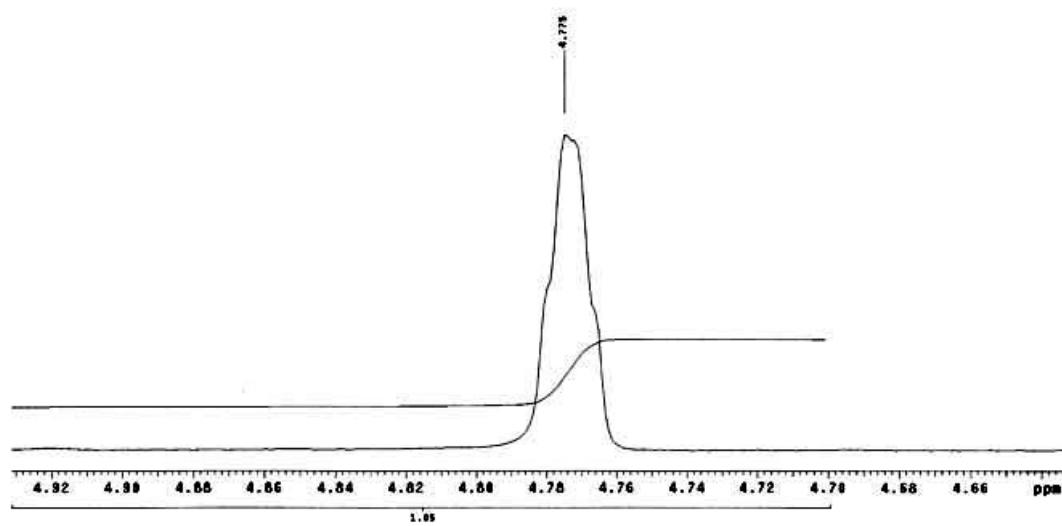
11:      n
in:      n
dp:      y
he:      nm
DISPLAY
sp:      -235.7
up:      7996.0
ve:      333
sc:      250
uc:      250
hzw:    31.98
is:      56831.74
rf1:    235.0
rf2p:   0
th:      6
inc:    1.000
nm:    cdc ph
```



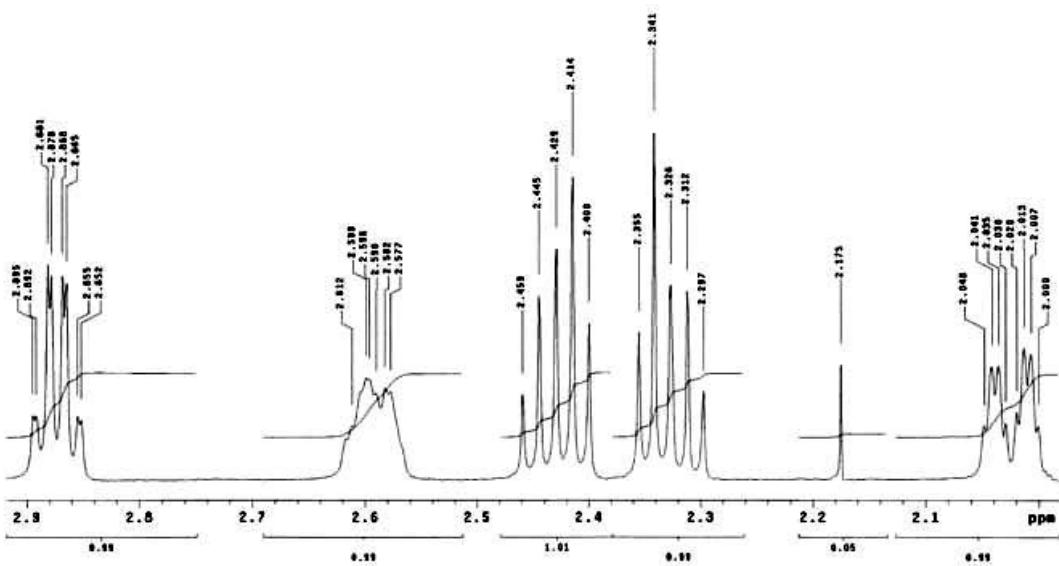
```
Name of sample:Cart
observed proton experiment
Pulse Sequence: s2pul
```



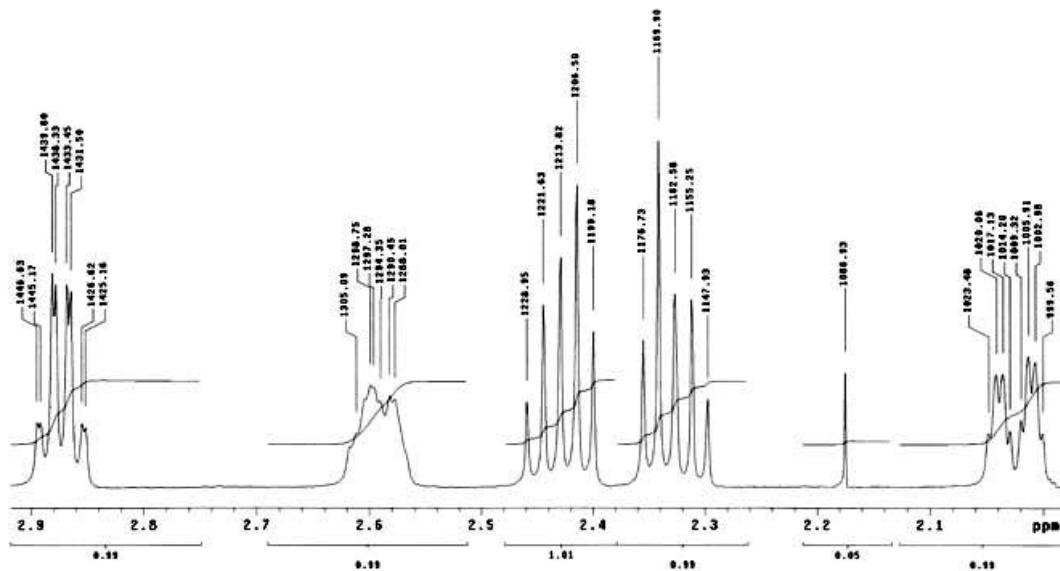
Name of sample: Carl
observed protein experiment
Pulse Sequence: 32pu1



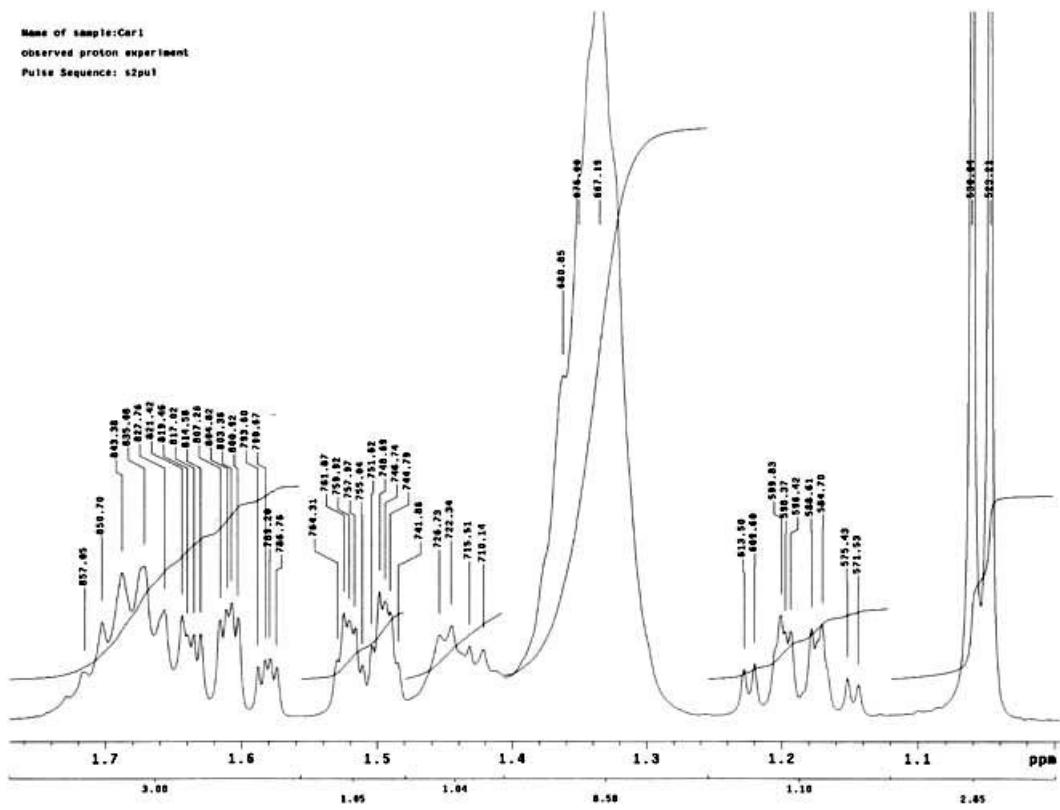
Name of sample: Cari
observed proton experiment
Pulse Sequence: s2pul

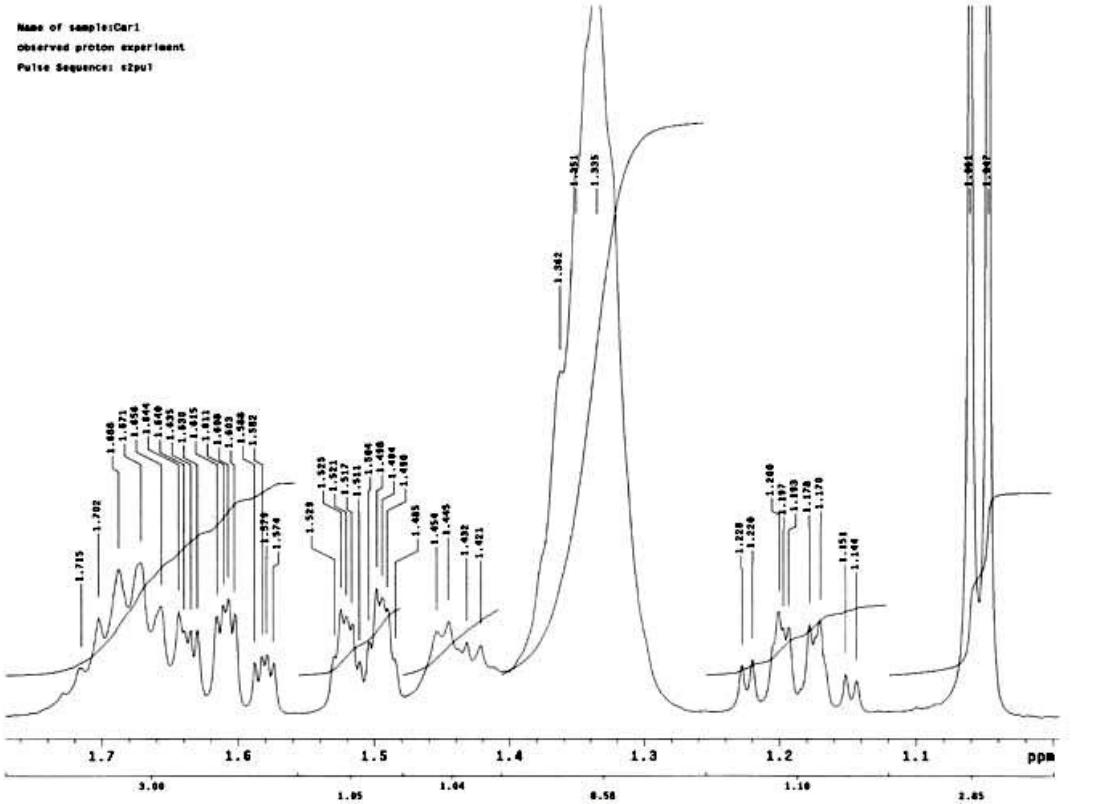


Name of sample: Carl
observed proton experiment
Pulse Sequence: 1501



Name of sample:Cart
observed proton experiment
Pulse Sequence:s2pu1

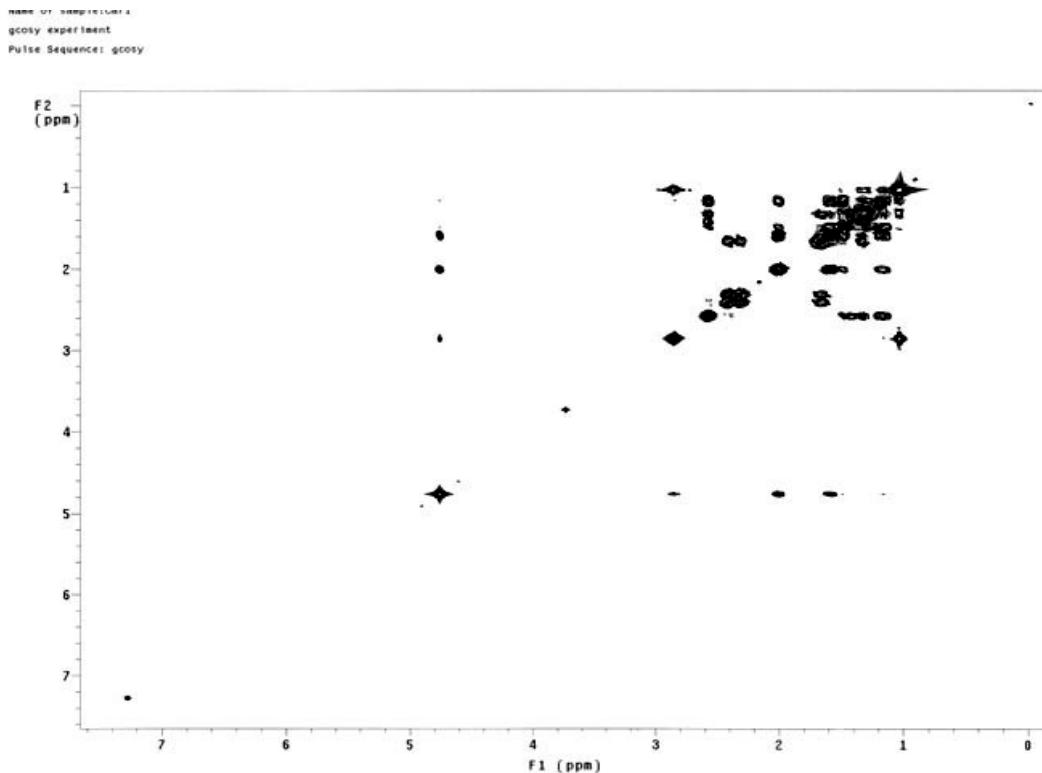
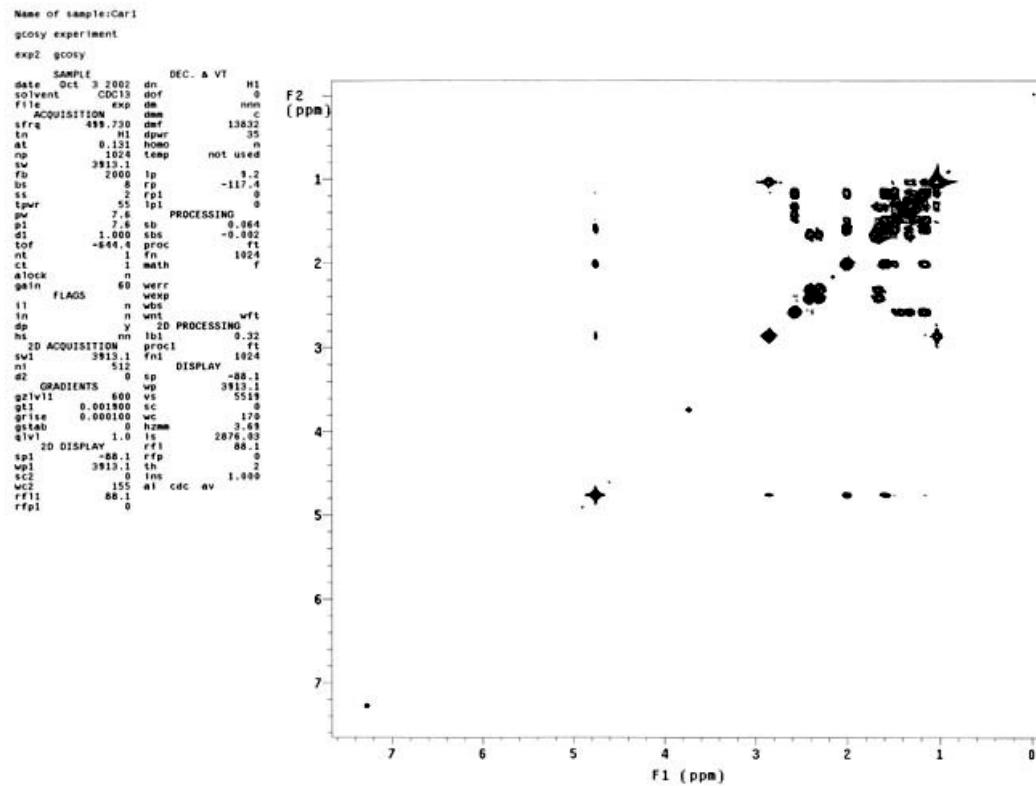




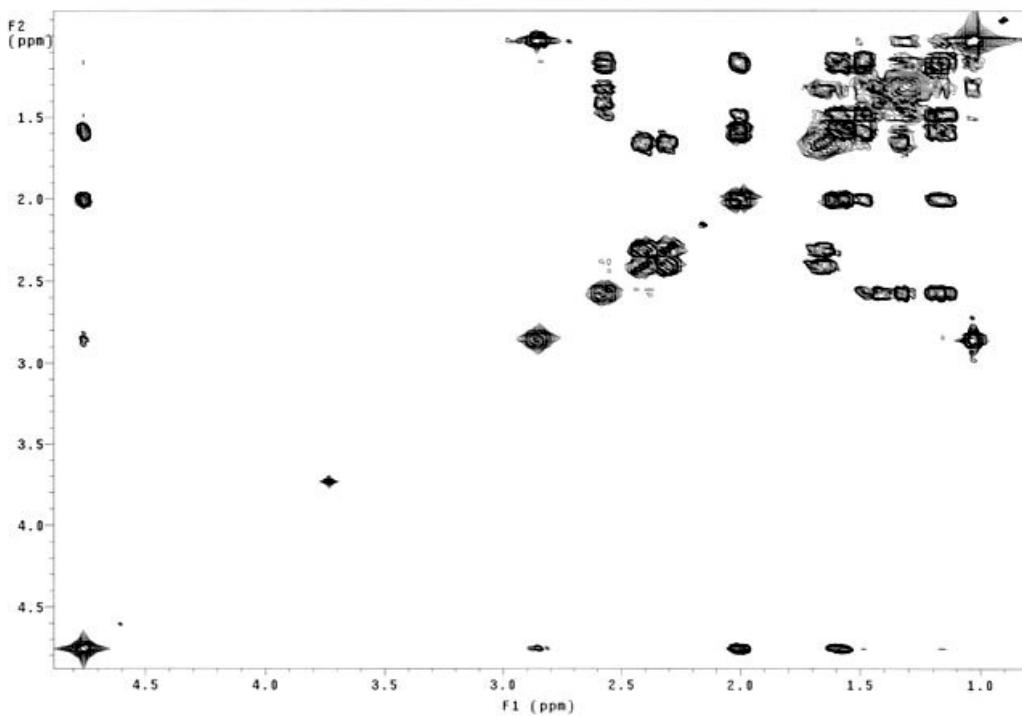
APPENDIX C

The representative spectra of ^{13}C NMR recorded on NMR 500 MHz model UNITY INOVA

Varian spectrometer



Name of sample:Car1
gcosy experiment
Pulse Sequence: gcosy



Name of sample:Car1
gcosy experiment
Pulse Sequence: gcosy

