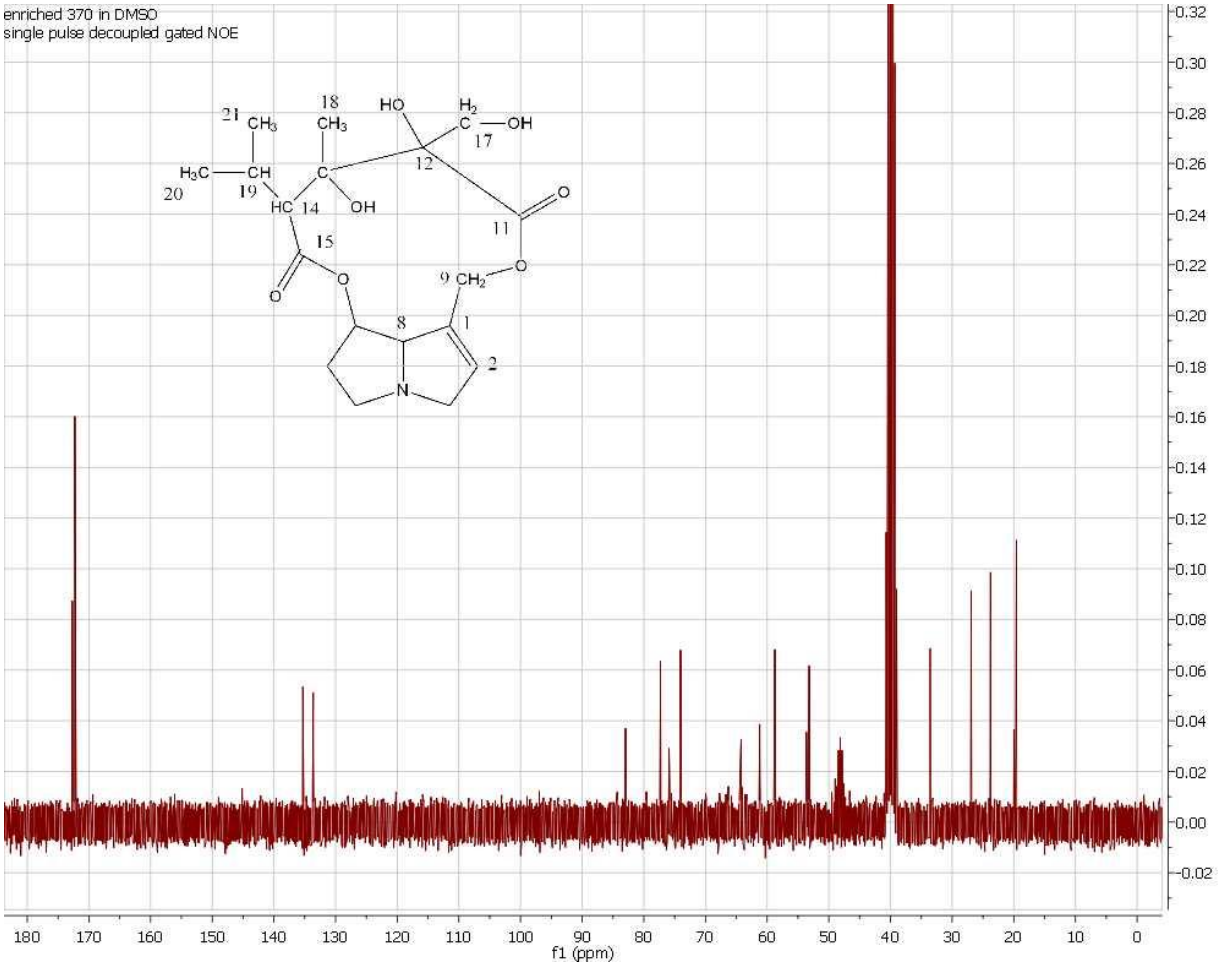
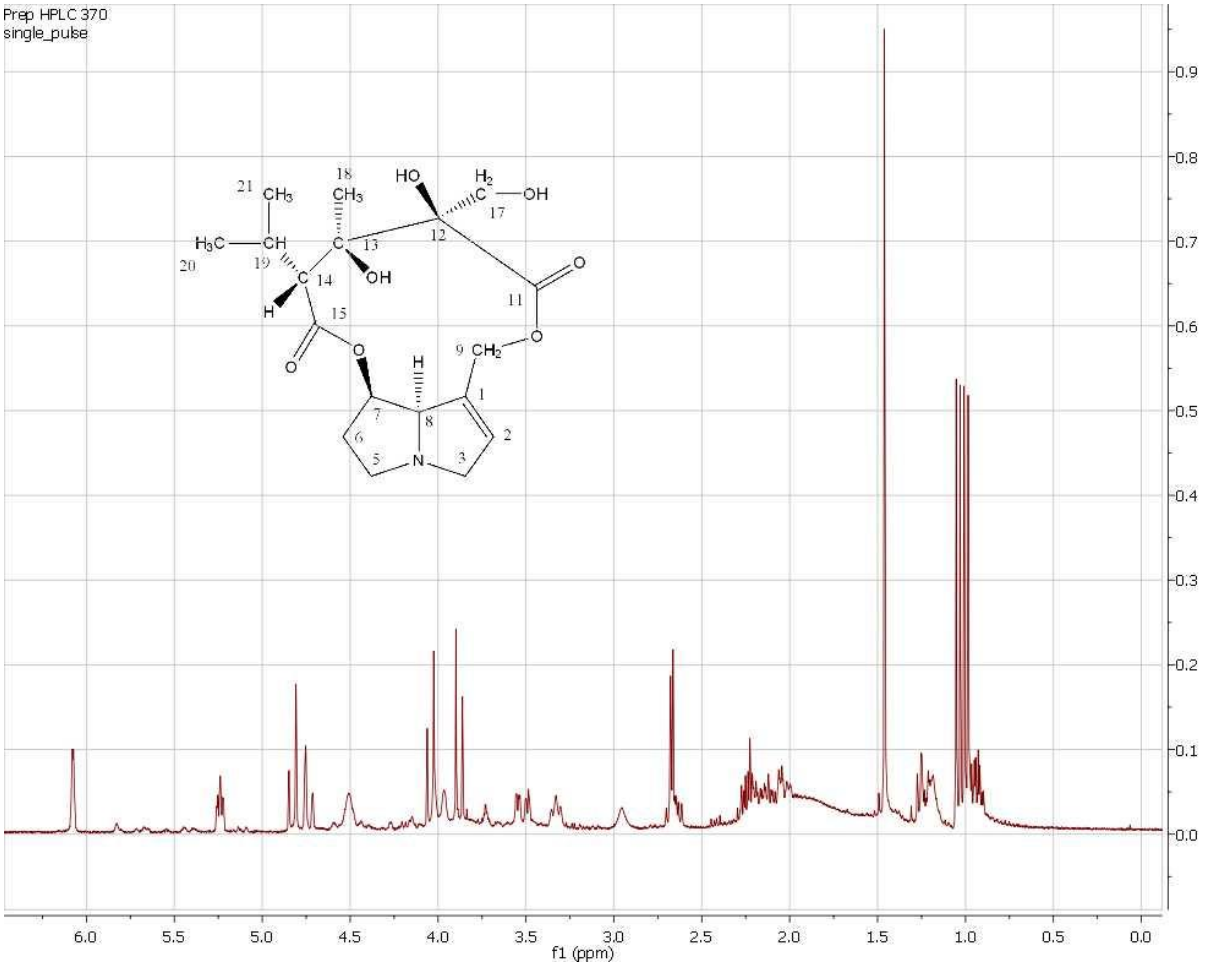
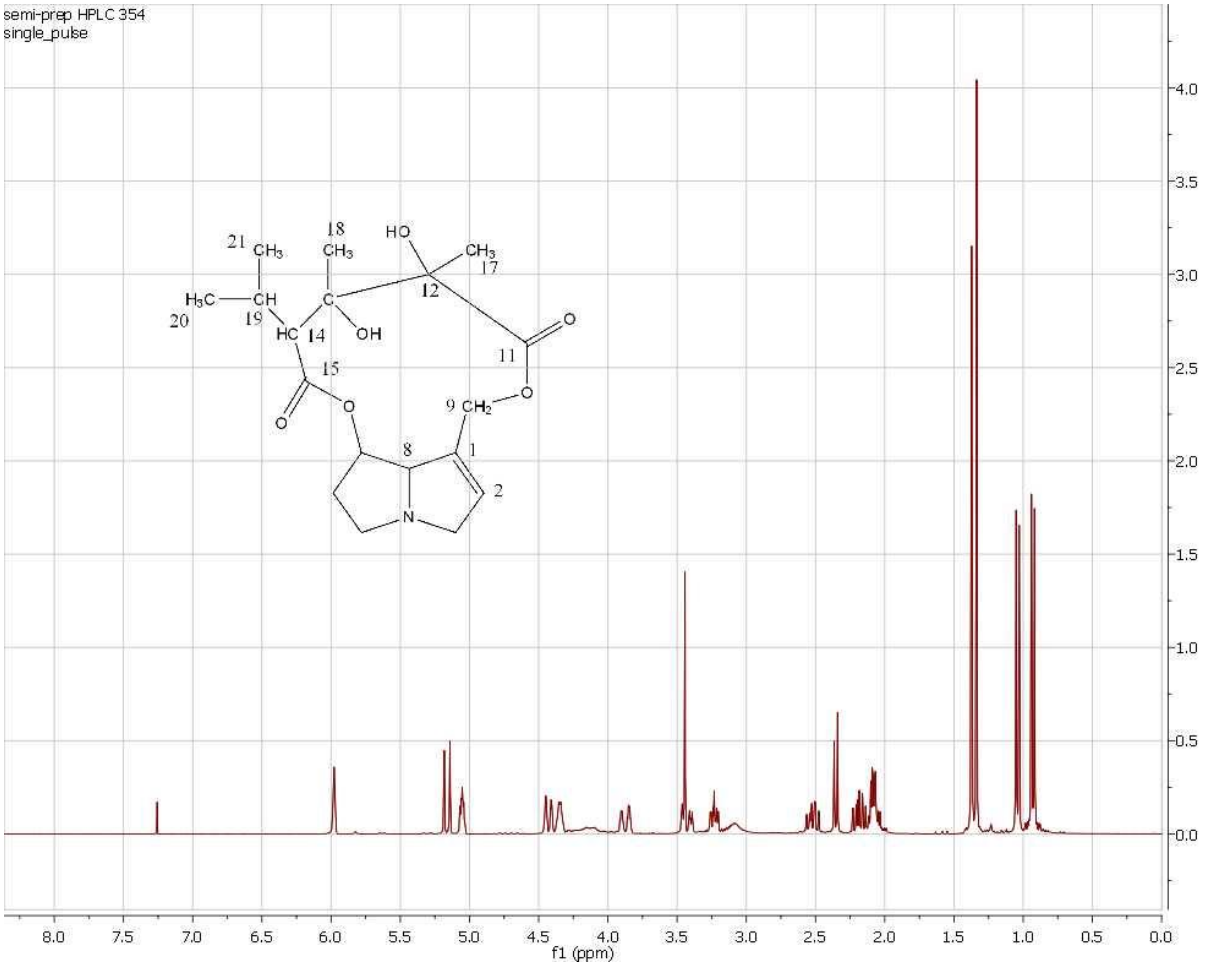


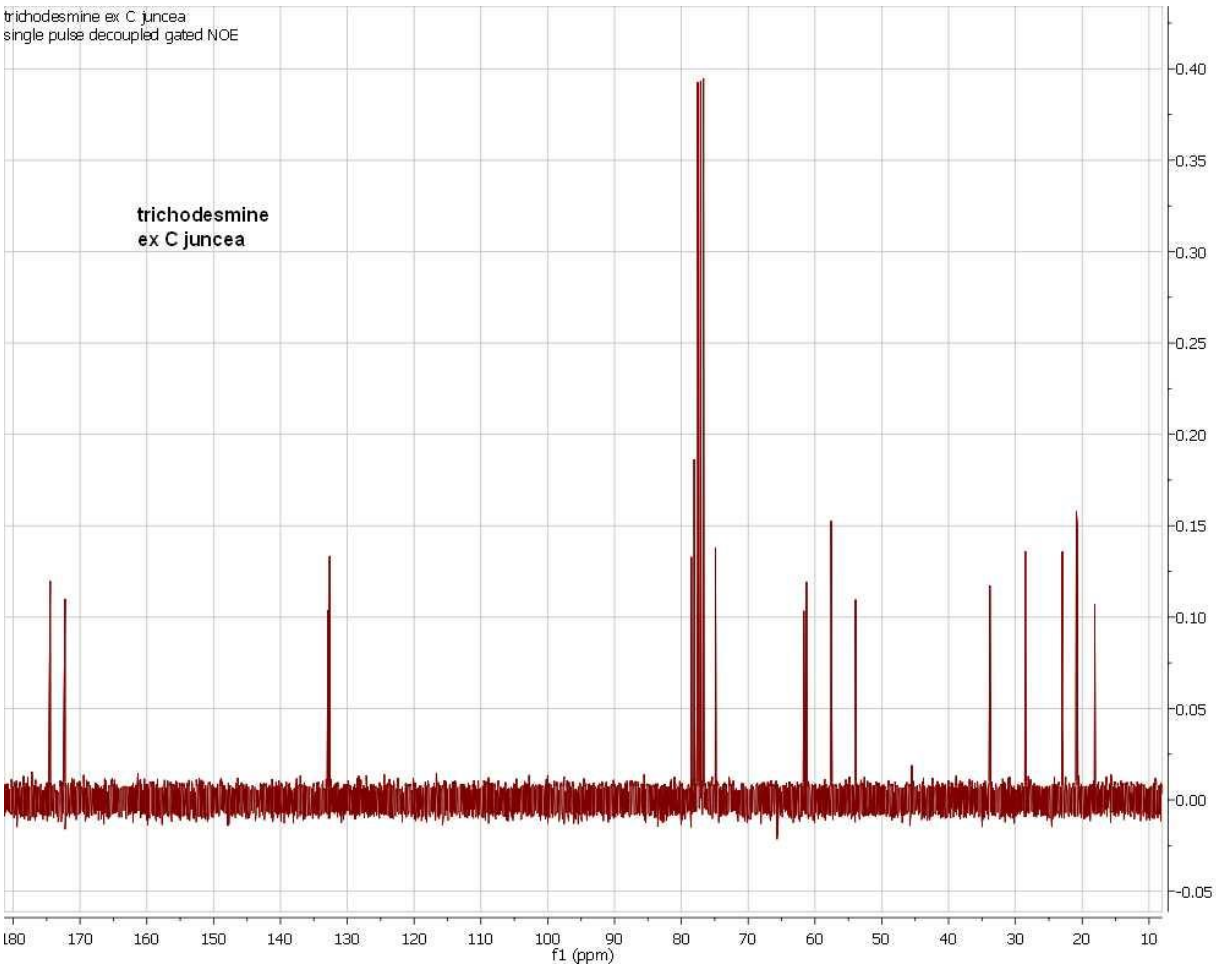
^{13}C junceine

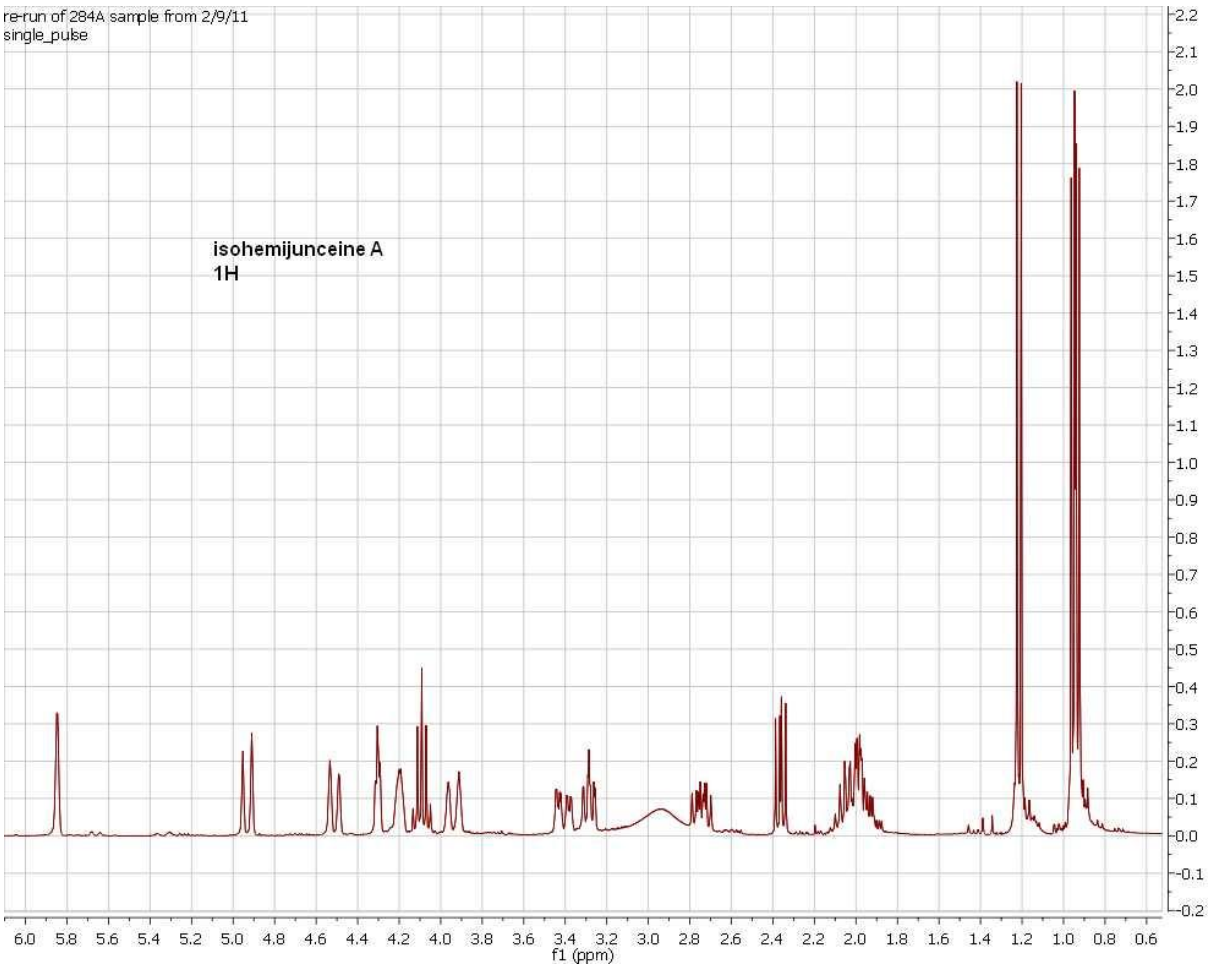


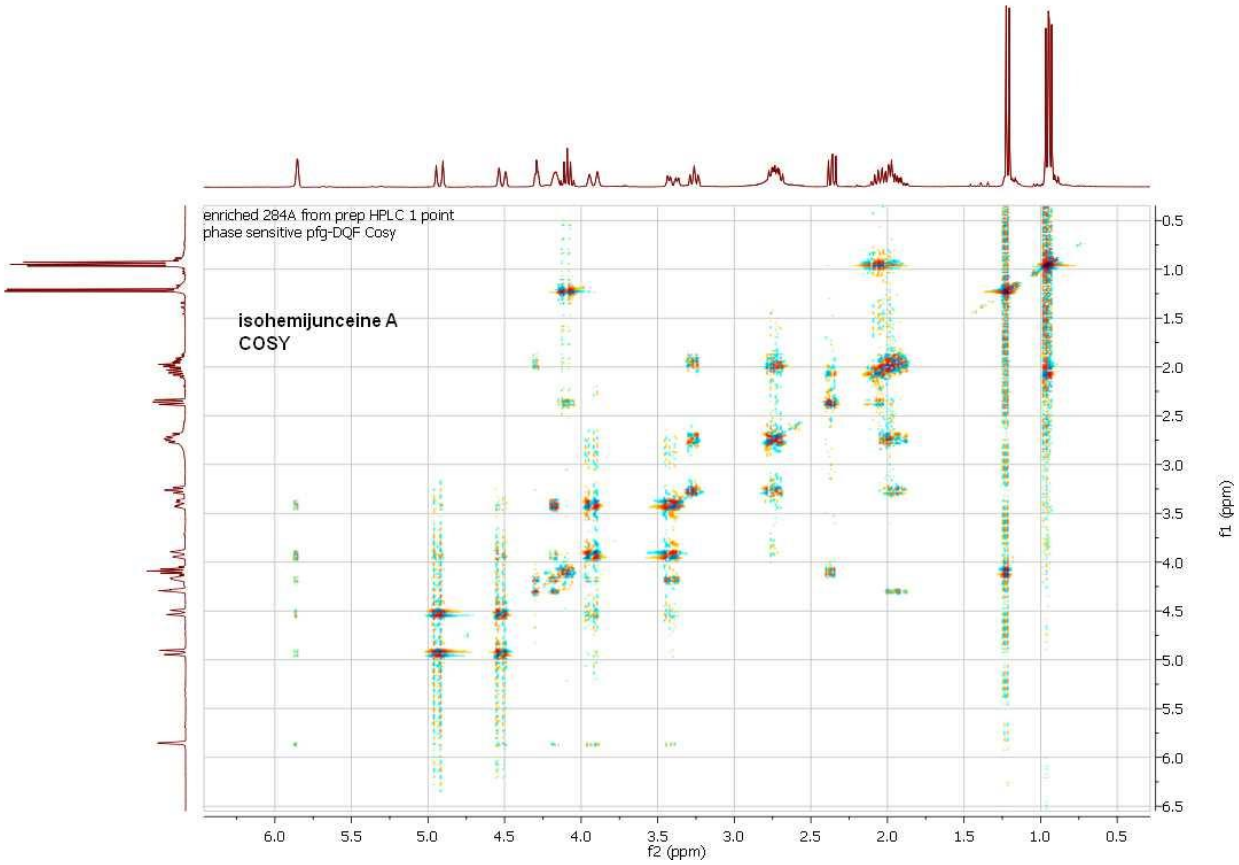
^{1}H junceine

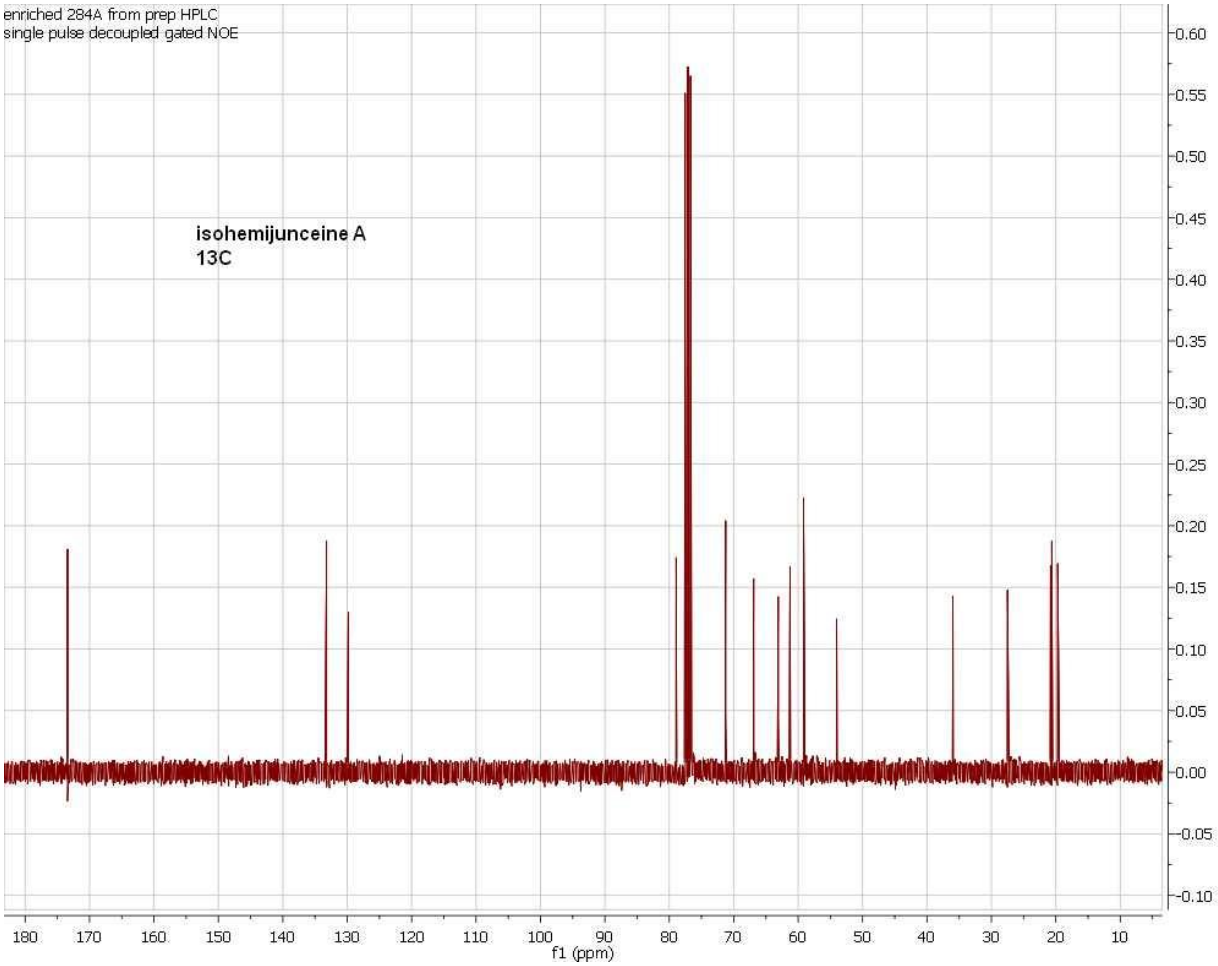


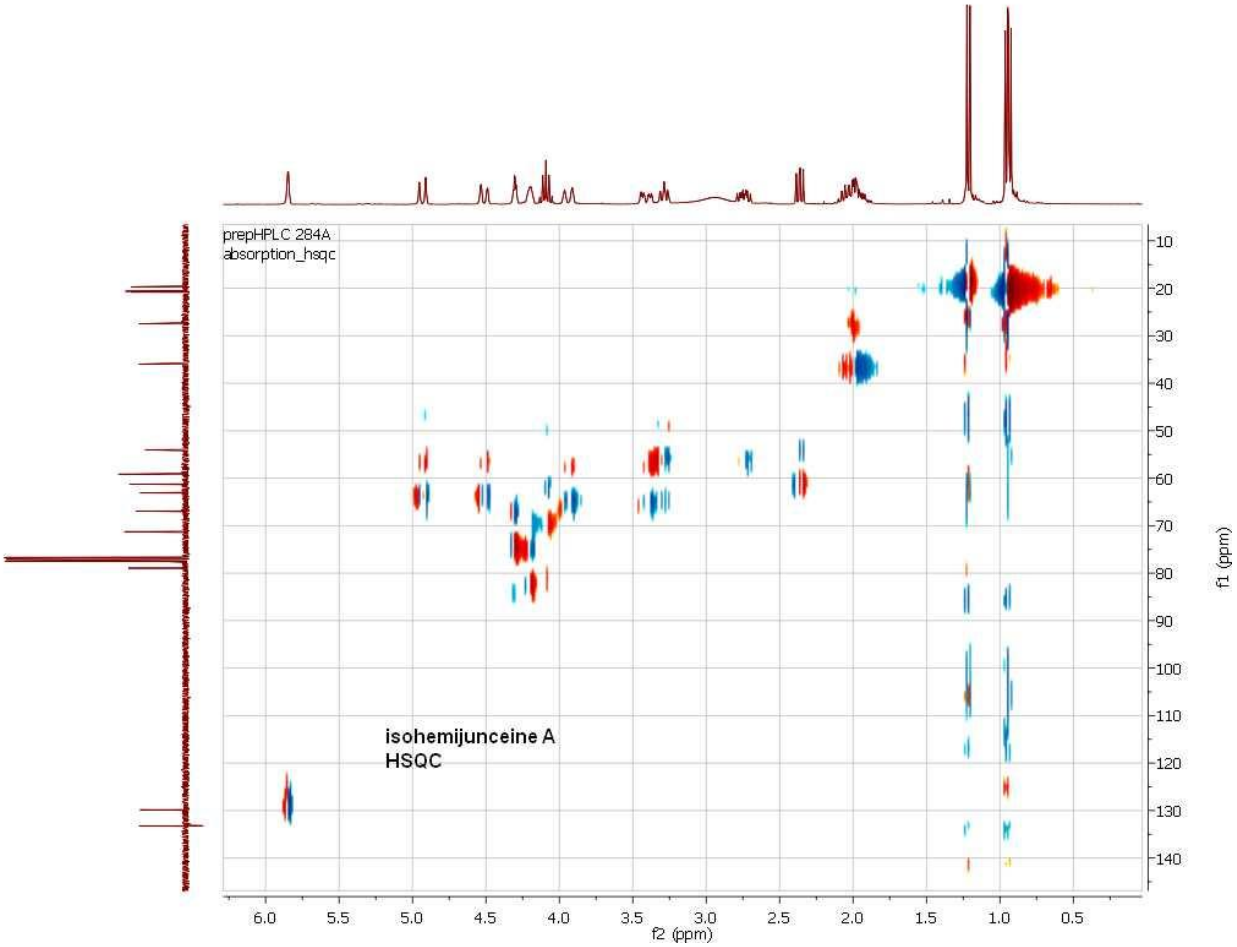
^{1}H trichodesmine

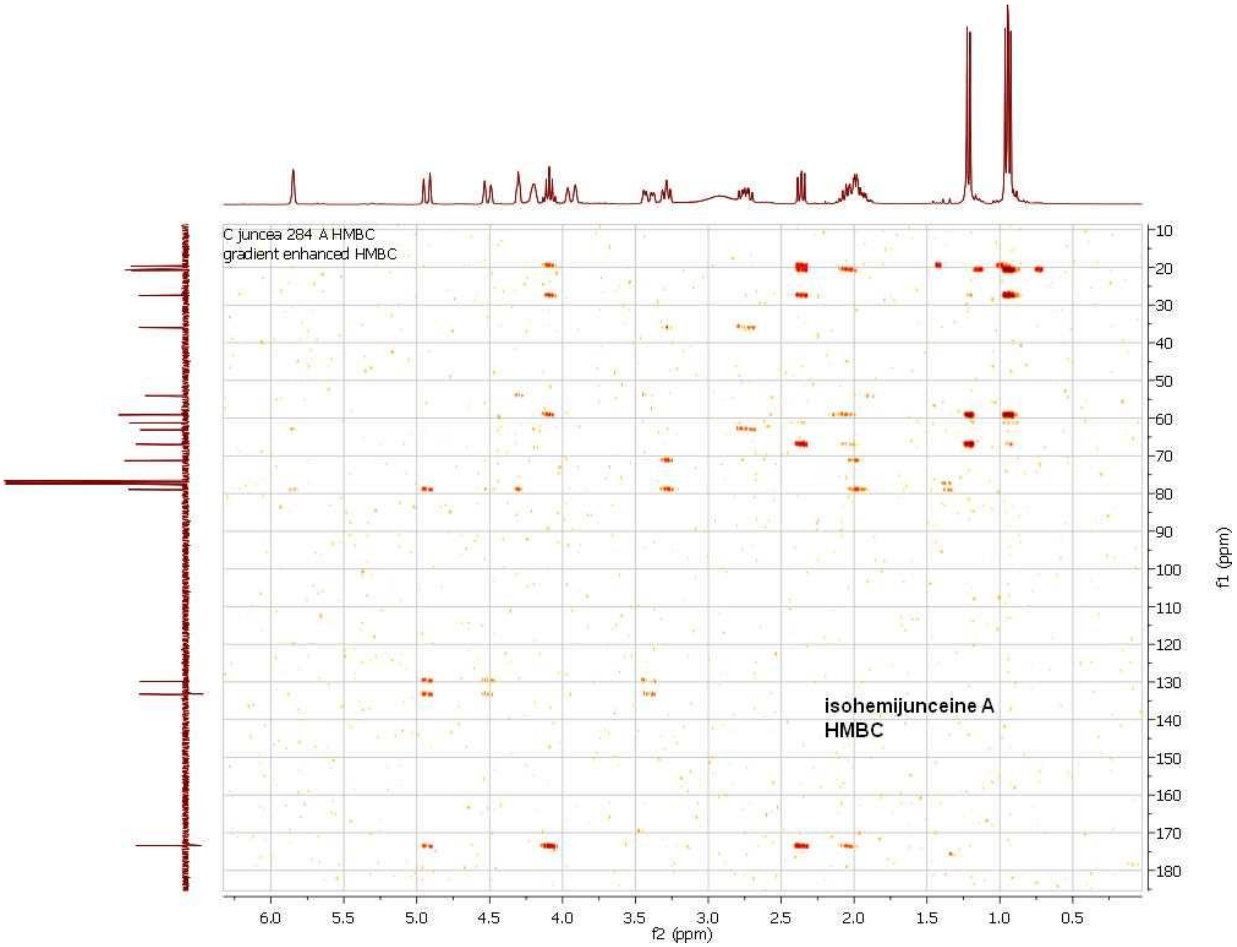

trichodesmine ex C juncea
single pulse decoupled gated NOE
trichodesmine
ex C juncea
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
f1 (ppm)

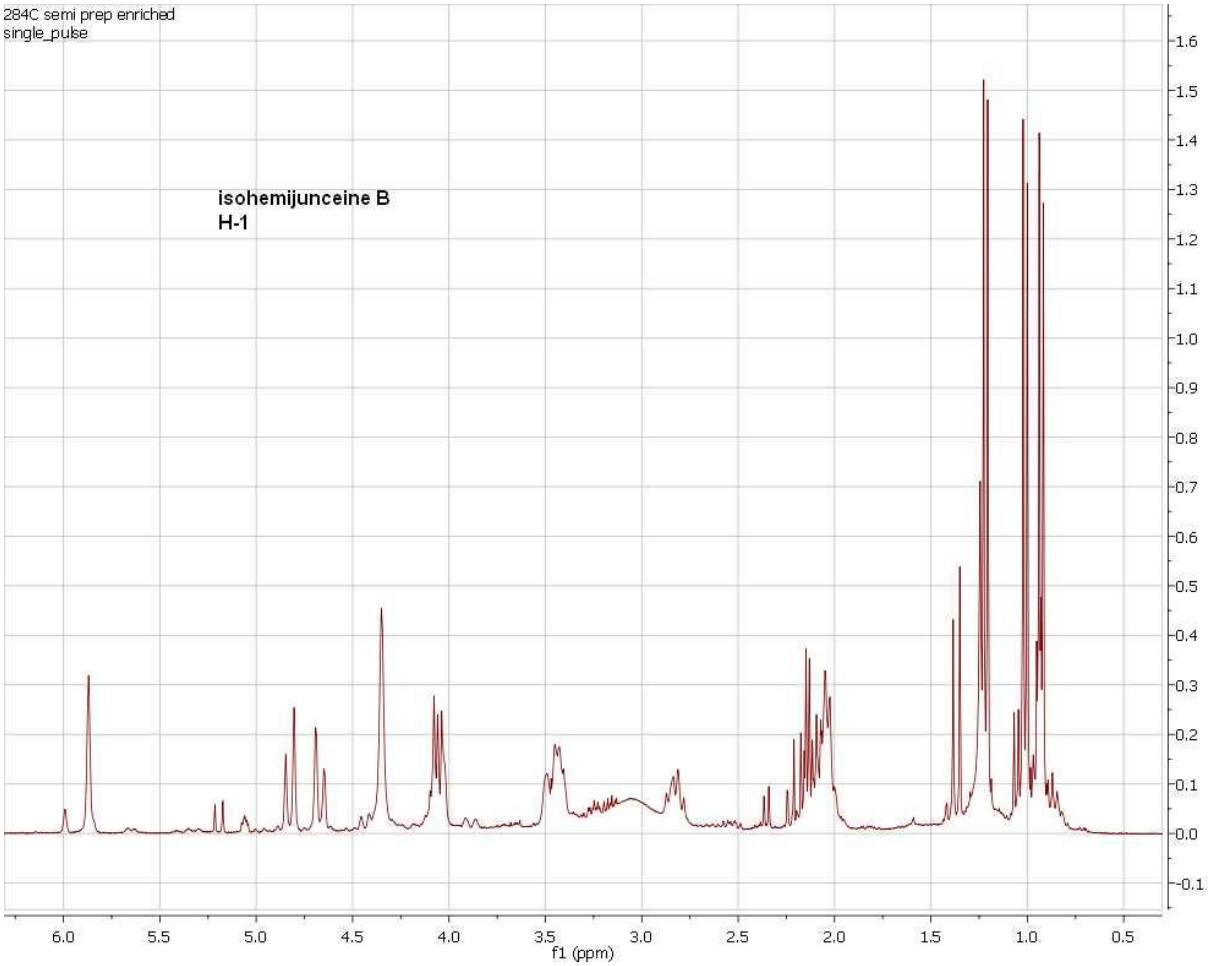

re-run of 284A sample from 2/9/11
single_pulse
isohemijunceine A
1H
f1 (ppm)

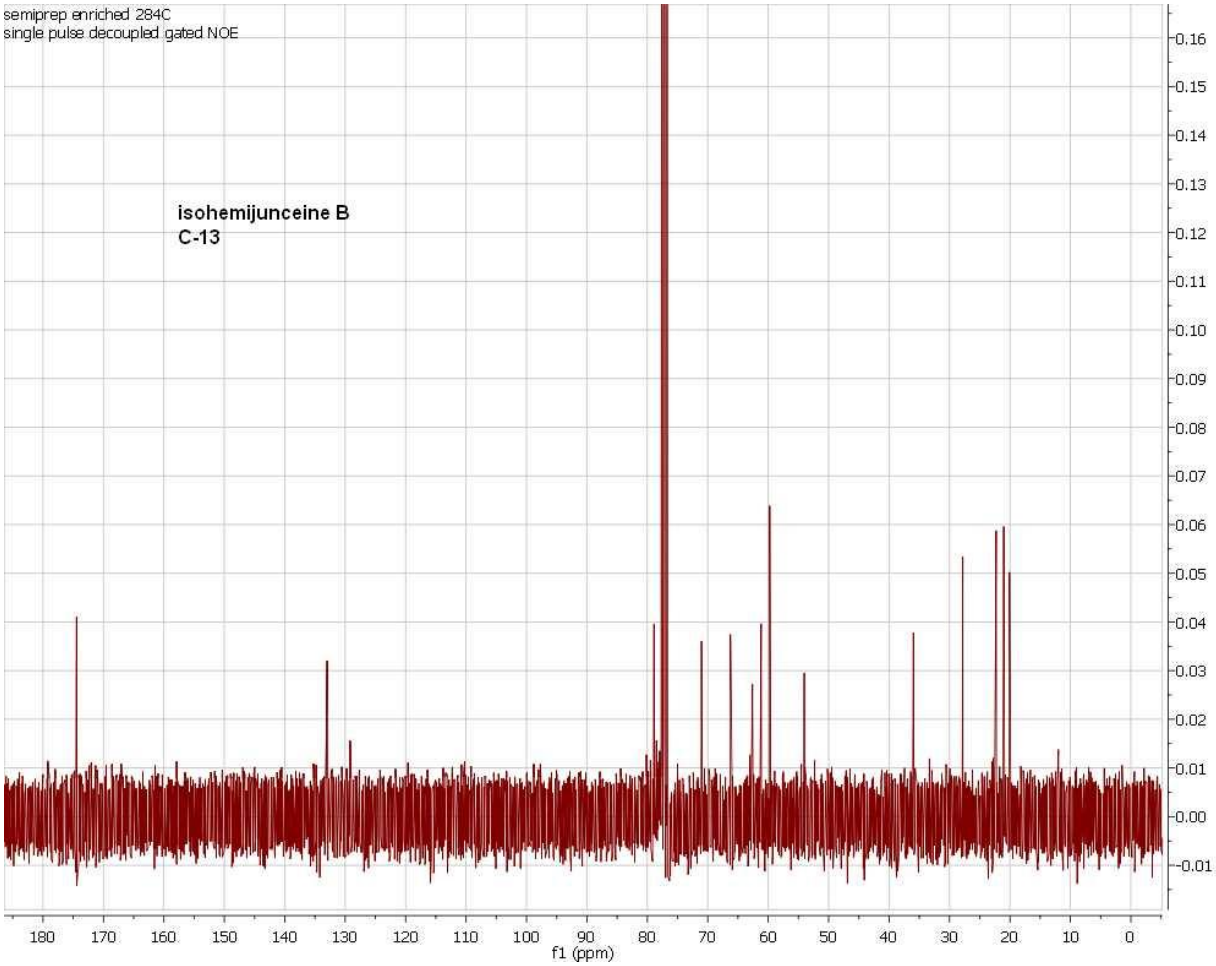

enriched 284A from prep HPLC 1 point
phase sensitive pfg-DQF Cosy
isohemijunceine A
COSY
f2 (ppm)
f1 (ppm)

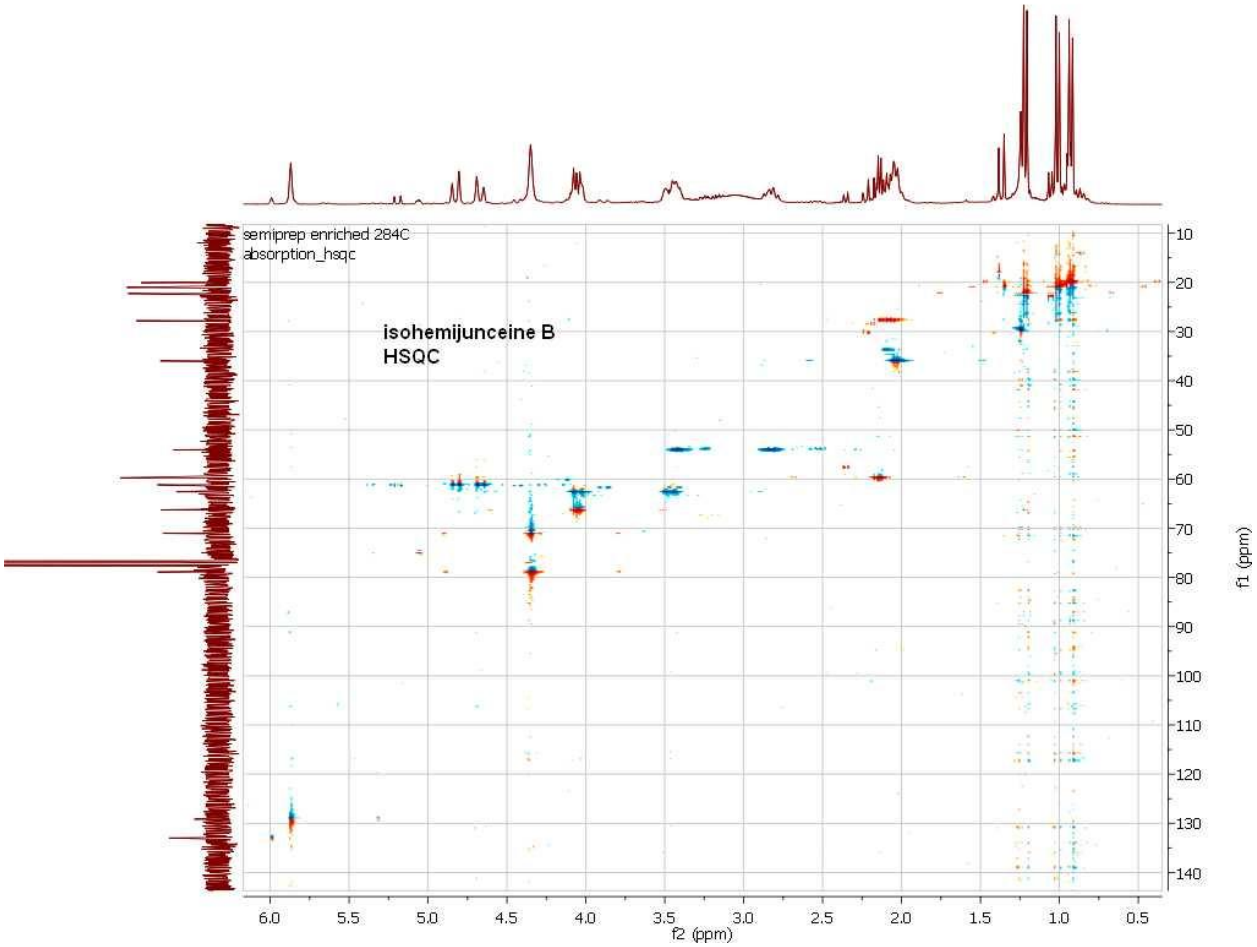

enriched 284A from prep HPLC
single pulse decoupled gated NOE
isohemijunceine A
13C
f1 (ppm)

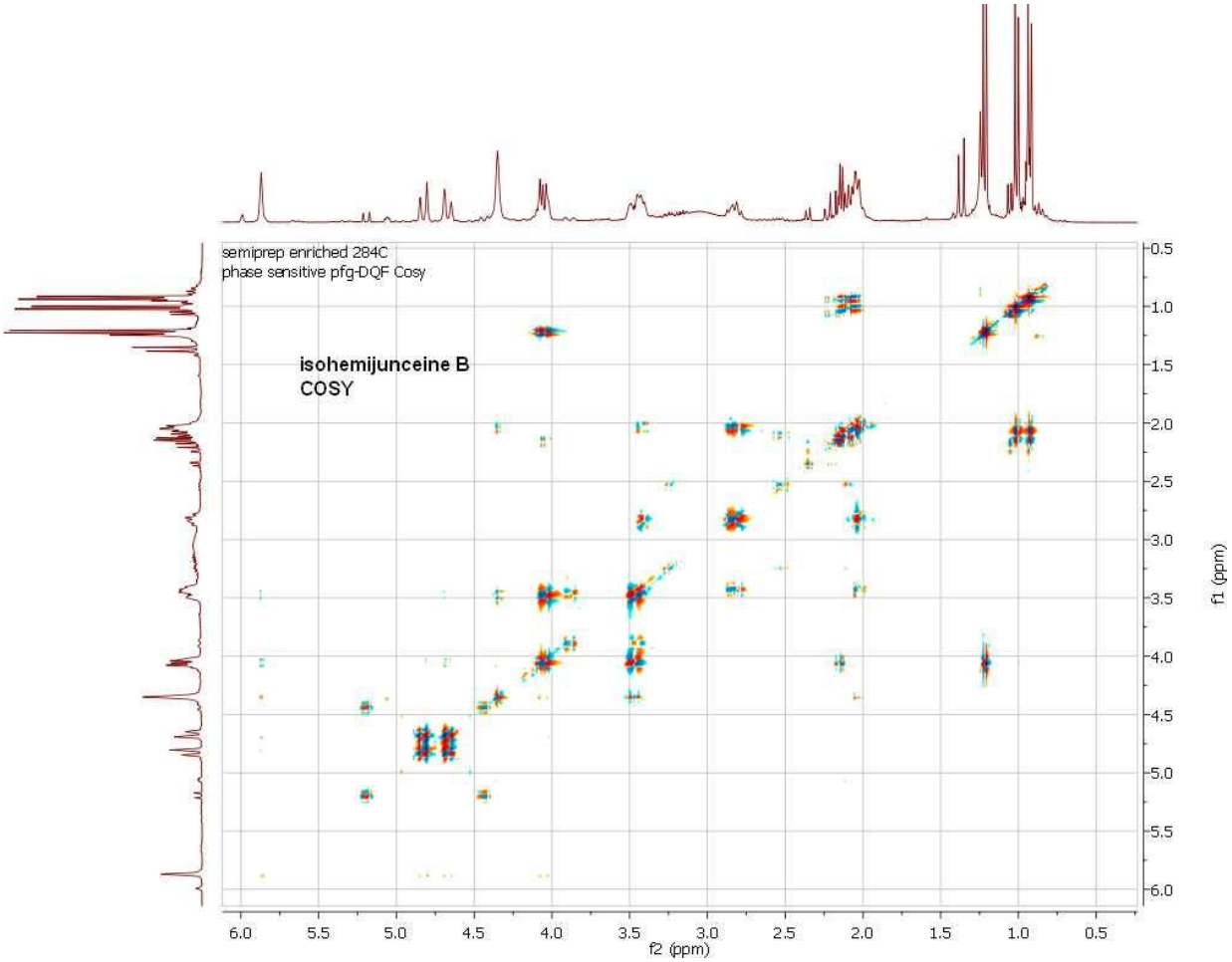

prepHPLC 284A
absorption_hsqc
isohemijunceine A
HSQC
f2 (ppm)
f1 (ppm)

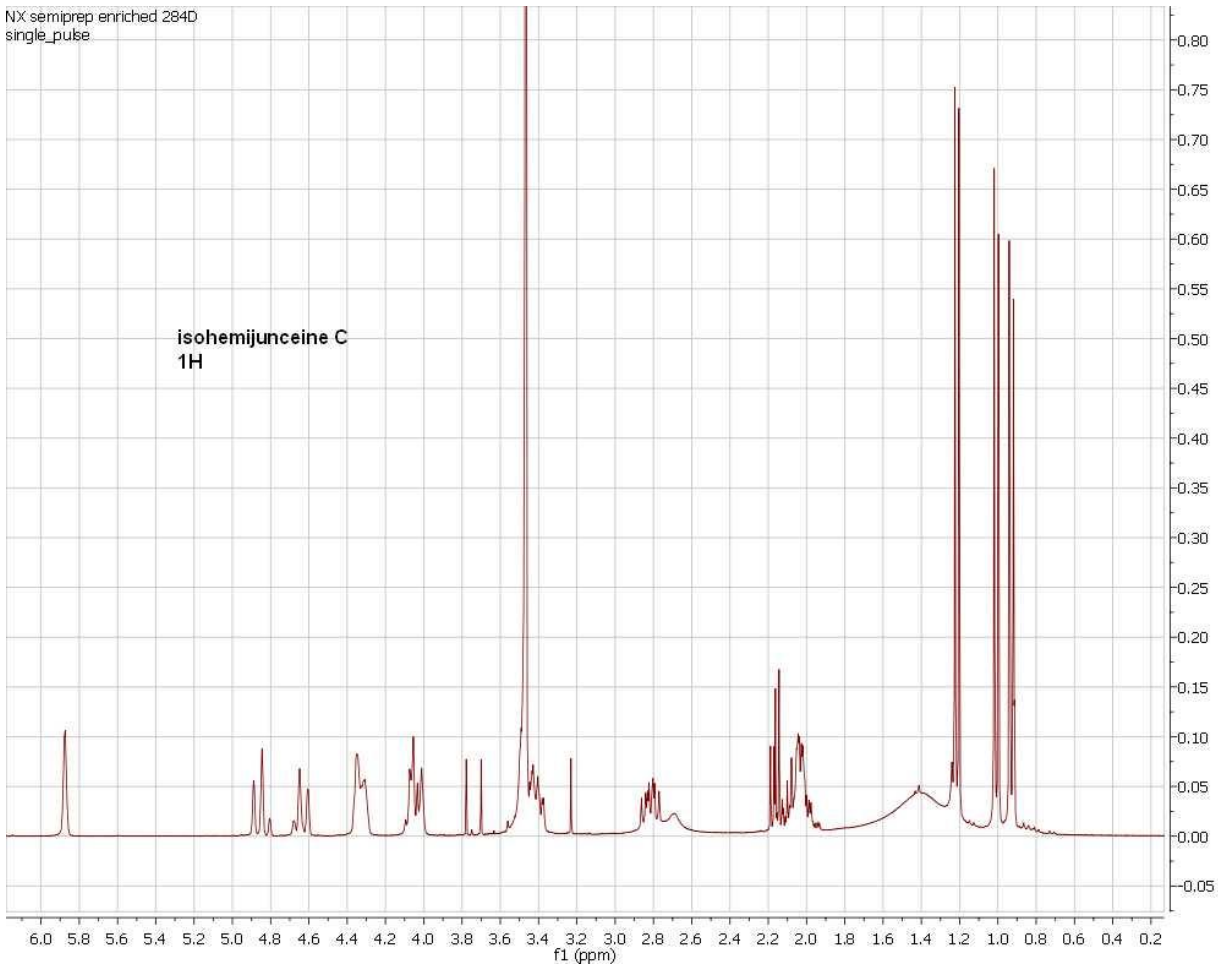

C juncea 284 A HMBC
gradient enhanced HMBC
isohemijunceine A
HMBC
f2 (ppm)
f1 (ppm)

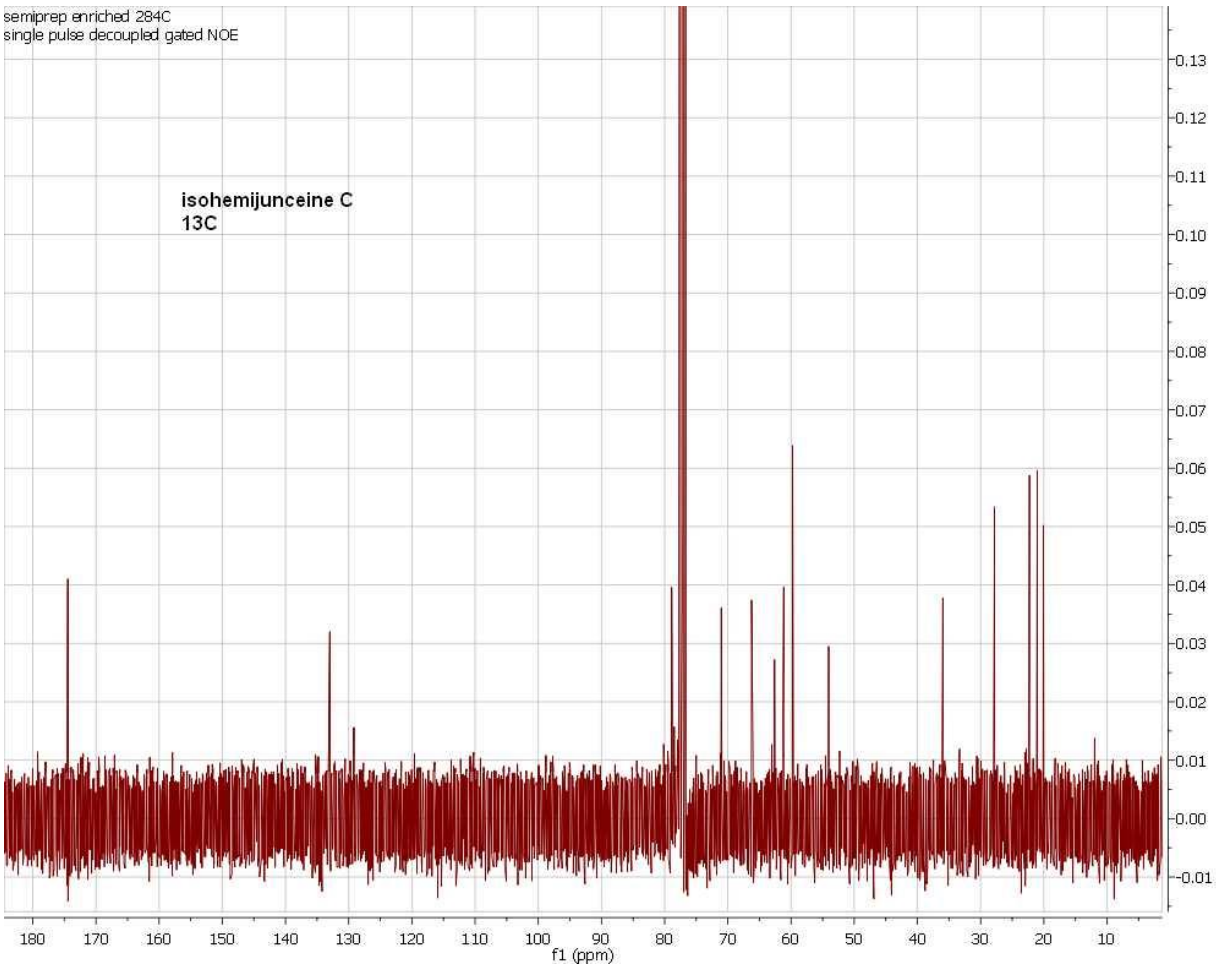

284C semi prep enriched
single_pulse
isohemijunceine B
H-1
f1 (ppm)

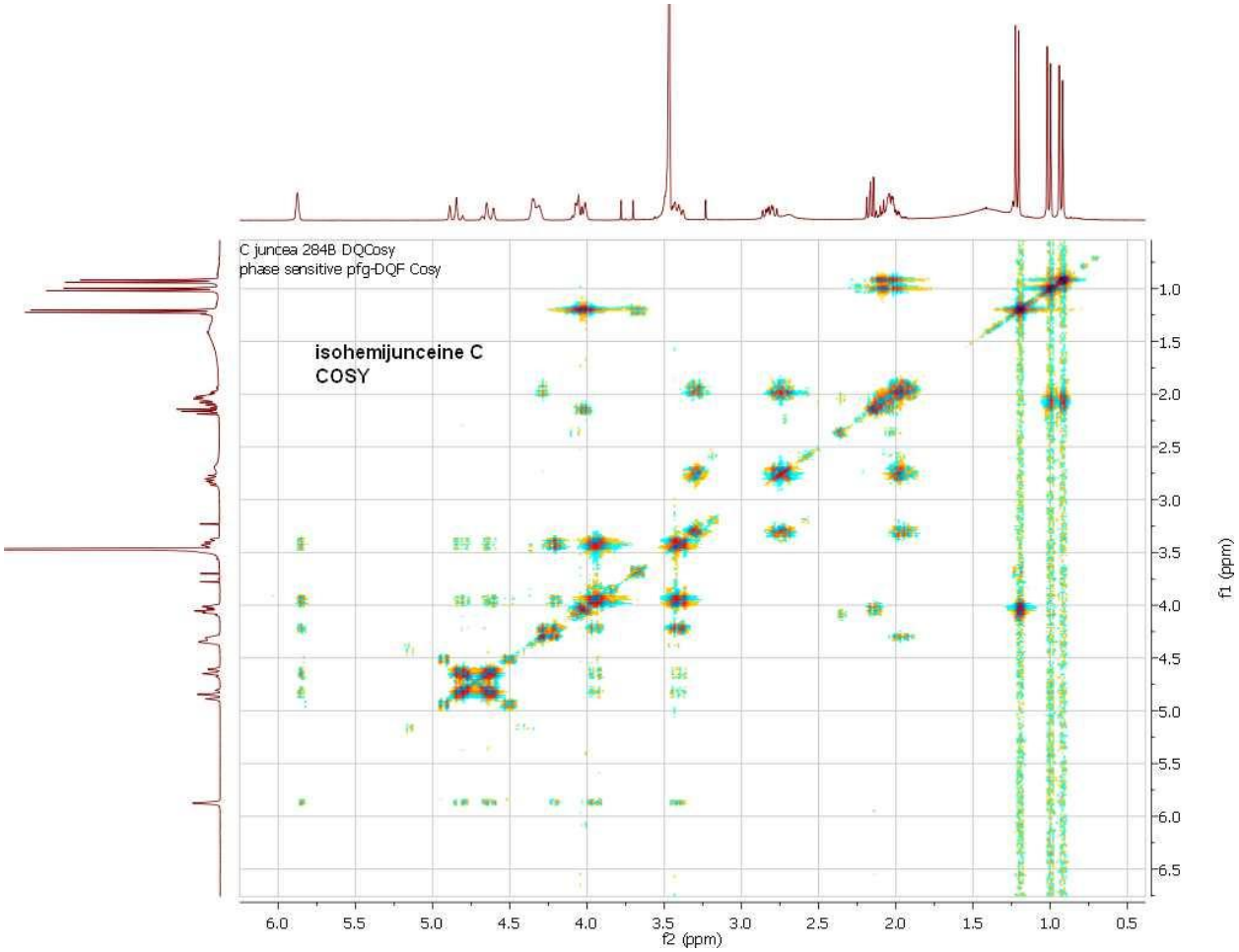

semiprep enriched 284C
single pulse decoupled gated NOE
isohemijunceine B
C-13
f1 (ppm)

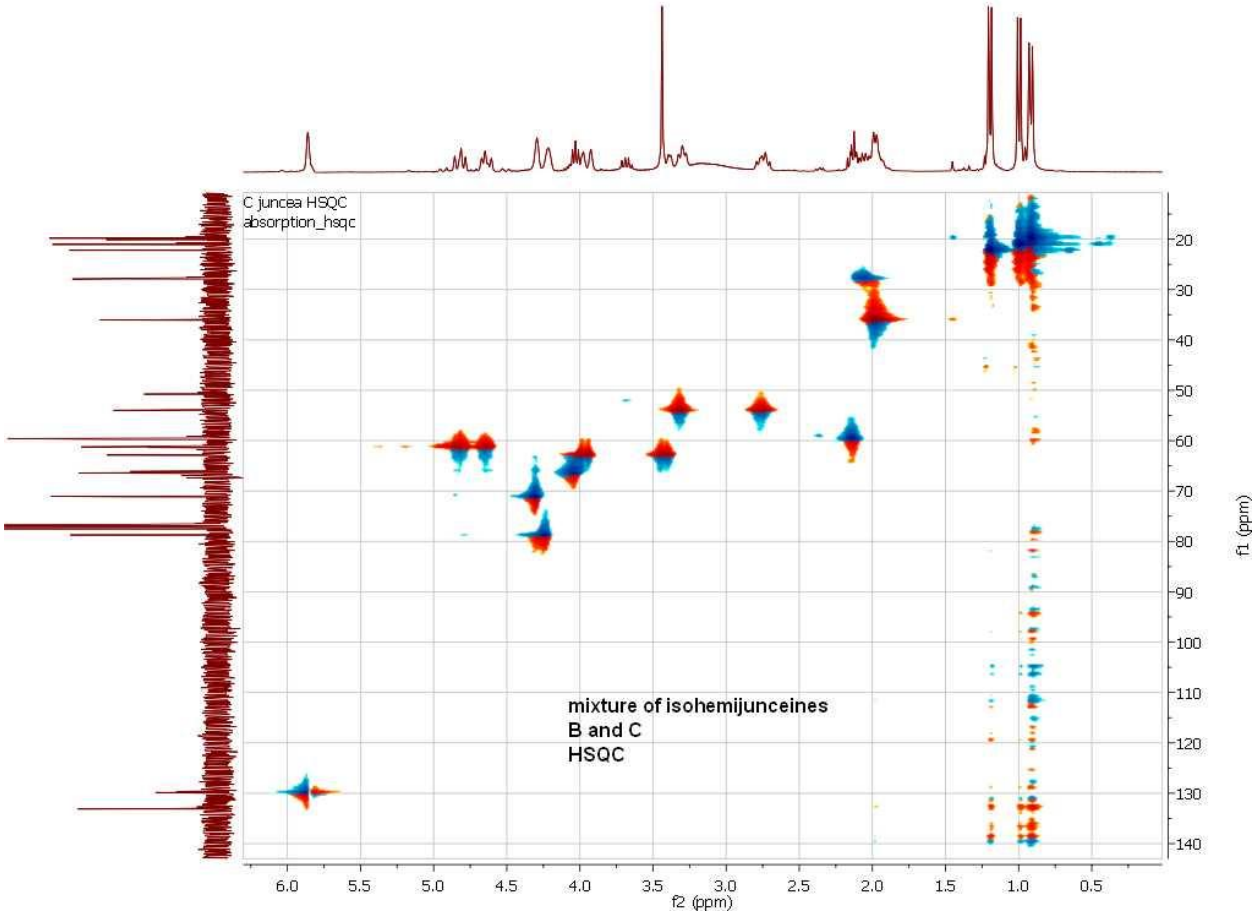

semiprep enriched 284C
absorption_hsqc
isohemijunceine B
HSQC
f2 (ppm)
f1 (ppm)

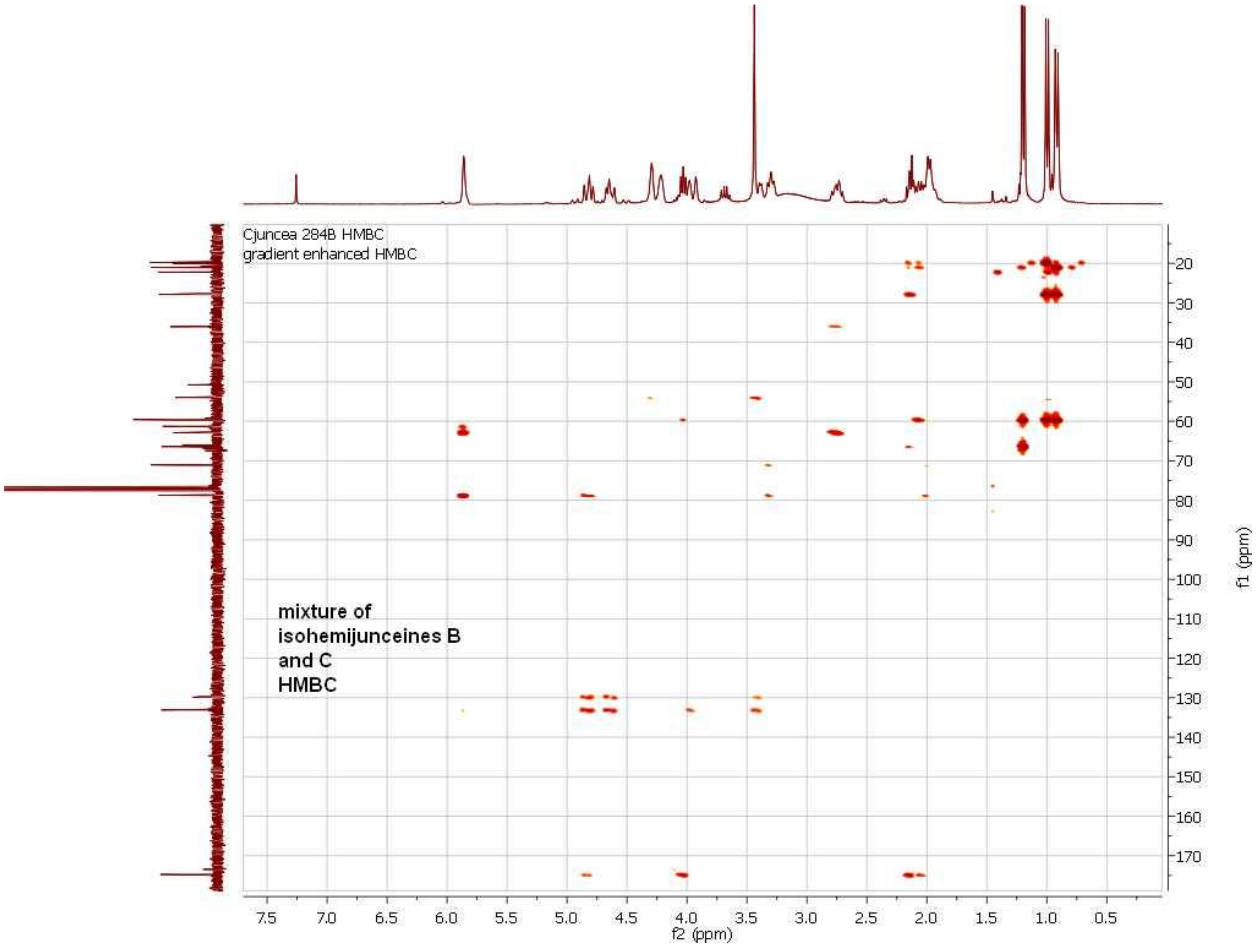

semiprep enriched 284C
phase sensitive pfg-DQF Cosy
isohemijunceine B
COSY
f2 (ppm)
f1 (ppm)

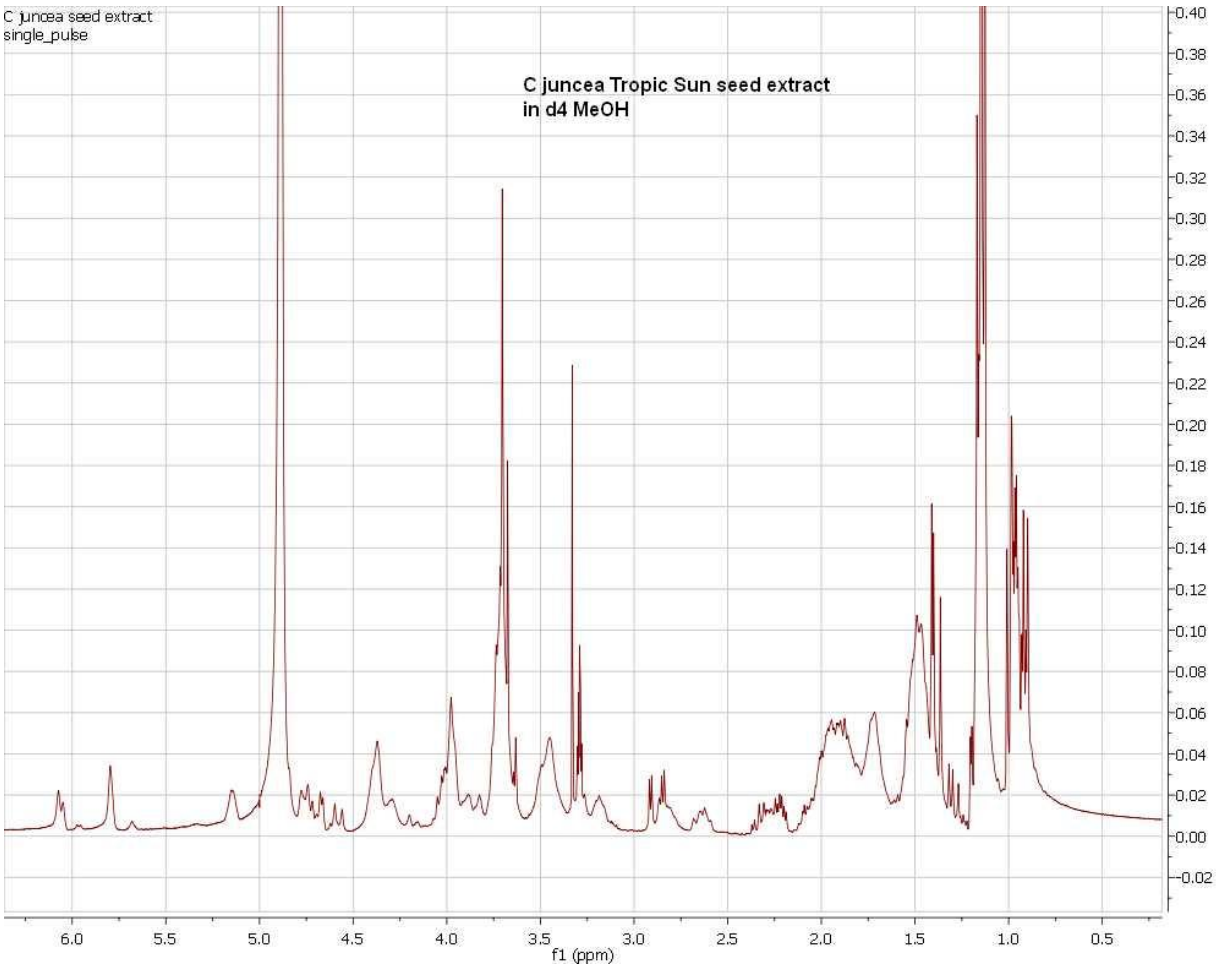

NX semiprep enriched 284D
single_pulse
isohemijunceine C
1H
f1 (ppm)

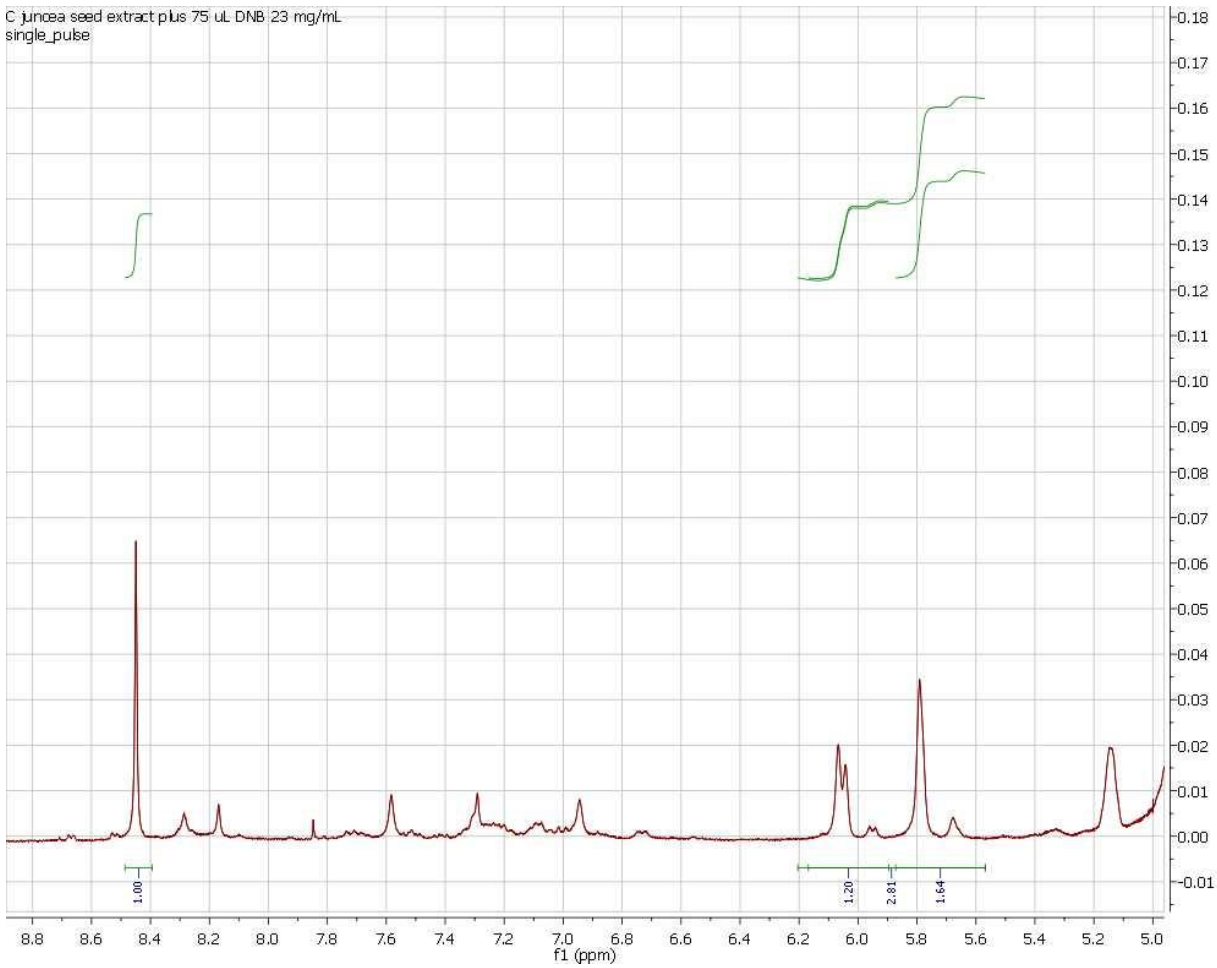

semiprep enriched 284C
single pulse decoupled gated NOE
isohemijunceine C
13C
f1 (ppm)


C juncea 284B DQCosy
phase sensitive pfg-DQF Cosy
isohemijunceine C
COSY
f2 (ppm)
f1 (ppm)


C juncea HSQC
absorption_hsqc
mixture of isohemijunceines
B and C
HSQC
f2 (ppm)
f1 (ppm)


Cjuncea 284B HMBC
gradient enhanced HMBC
mixture of
isohemijunceines B
and C
HMBC
f2 (ppm)
f1 (ppm)


C juncea seed extract
single_pulse
C juncea Tropic Sun seed extract
in d4 MeOH
f1 (ppm)



Low field region of crude C juncea seed extract showing integration of dinitrobenzene singlet (8.44 ppm) and the C2 alkene proton signals (5.6 – 6.2 ppm)