

Supplementary Figures

Figure Captions

Fig. 1 ^1H -NMR spectrum of MAM

Fig. 2 ^{13}C -NMR spectrum of MAM

Fig. 3 HSQC spectrum of MAM

Fig. 4 HMBC spectrum of MAM

Fig. 5 HPLC chromatogram of MAM (content of MAM=95.7%)



ARX-300-1H
Sample: T-4

7.554
7.544
7.540
7.528
7.522
7.396
7.386
7.377
7.371
7.361
7.306
5.483
4.452
4.432
4.426
4.206
4.181
4.173
4.168
4.133
3.921
3.916
3.879
3.822
3.805
3.714
3.703
3.680
3.436
3.406
3.376
3.364
3.359
3.350
3.337
3.330
3.324
3.319
3.314
3.304
3.300
3.273
3.269
3.243

NAME H26
EXPNO 467
PROCNO 1
Date_ 20101222
Time 3.03
INSTRUM arx300
PROBHD 5 mm QNP 1H
PULPROG zg30
TD 32768
SOLVENT MeOH
NS 16
DS 2
SWH 6250.000 Hz
FIDRES 0.190735 Hz
AQ 2.6214900 sec
RG 715
DM 80.000 usec
DE 114.29 usec
TE 300.0 K
D1 1.00000000 sec
D1 12.40 usec
DE 114.29 usec
SFO1 300.1318534 MHz
NUCLEUS 1H
SI 16384
SF 300.1300000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

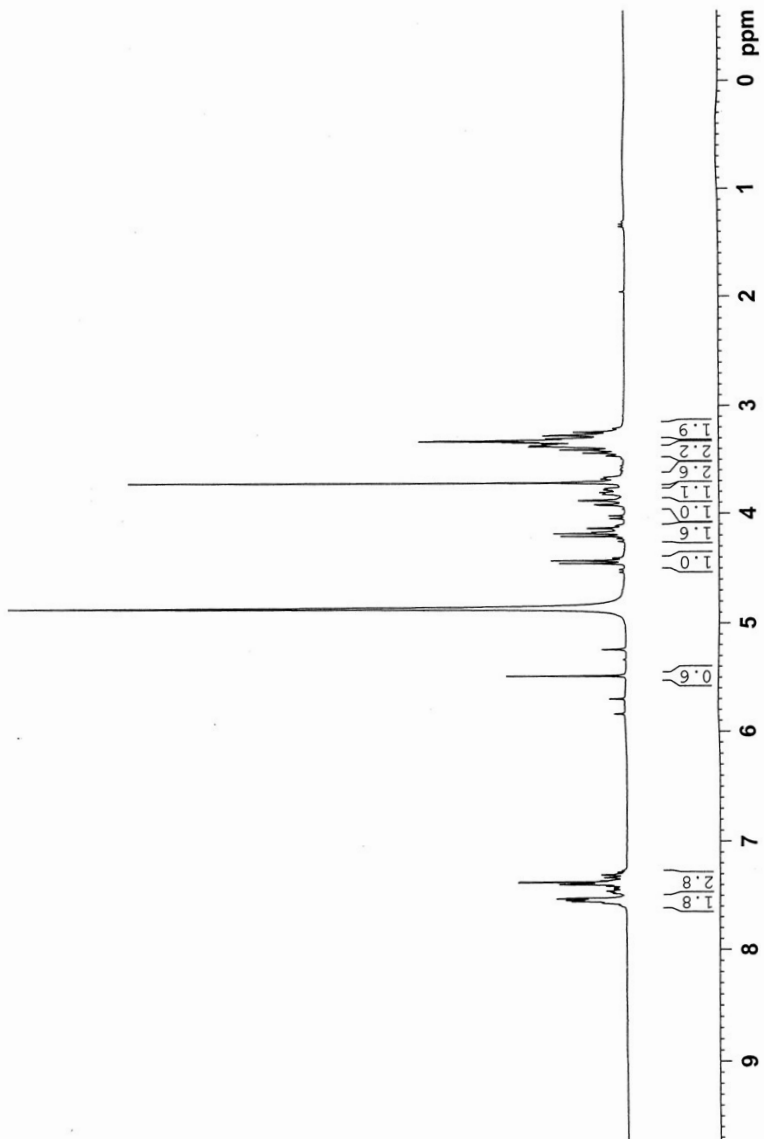


Fig. 1

ARX-500-15C
 Sample: 7-4



NAME C12
 EXPNO 192
 PROCNO 1
 Date_ 20110102
 Time 11:30
 INSTRUM spect
 PROBRD 5 mm QNP 1H
 PULPROG zgpg30
 TD 65536
 SOLVENT CDCl3
 NS 9997
 DS 2
 SWH 25000.000 Hz
 FWHZ 0.381470 Hz
 EQRES 1.3107700 sec
 RG 32768
 DW 20.000 usec
 DE 28.57 usec
 TE 300.0 K
 D12 0.00000000 sec
 D1 0.00000000 sec
 D16 0.00000000 sec
 D1 2.00000000 sec
 CFPRG maltz16
 P31 80.00 usec
 D11 0.03000000 sec
 DL5 20.00 dB
 P1 13.70 usec
 SFO1 500.136 MHz
 SFO2 75.477501 MHz
 NUCLEUS 13C
 SI 32768
 SF 75.4678277 MHz
 EM 0
 WDW 3.00 Hz
 SSB 0
 LB 1.0
 GB 1.40
 PC 1.40

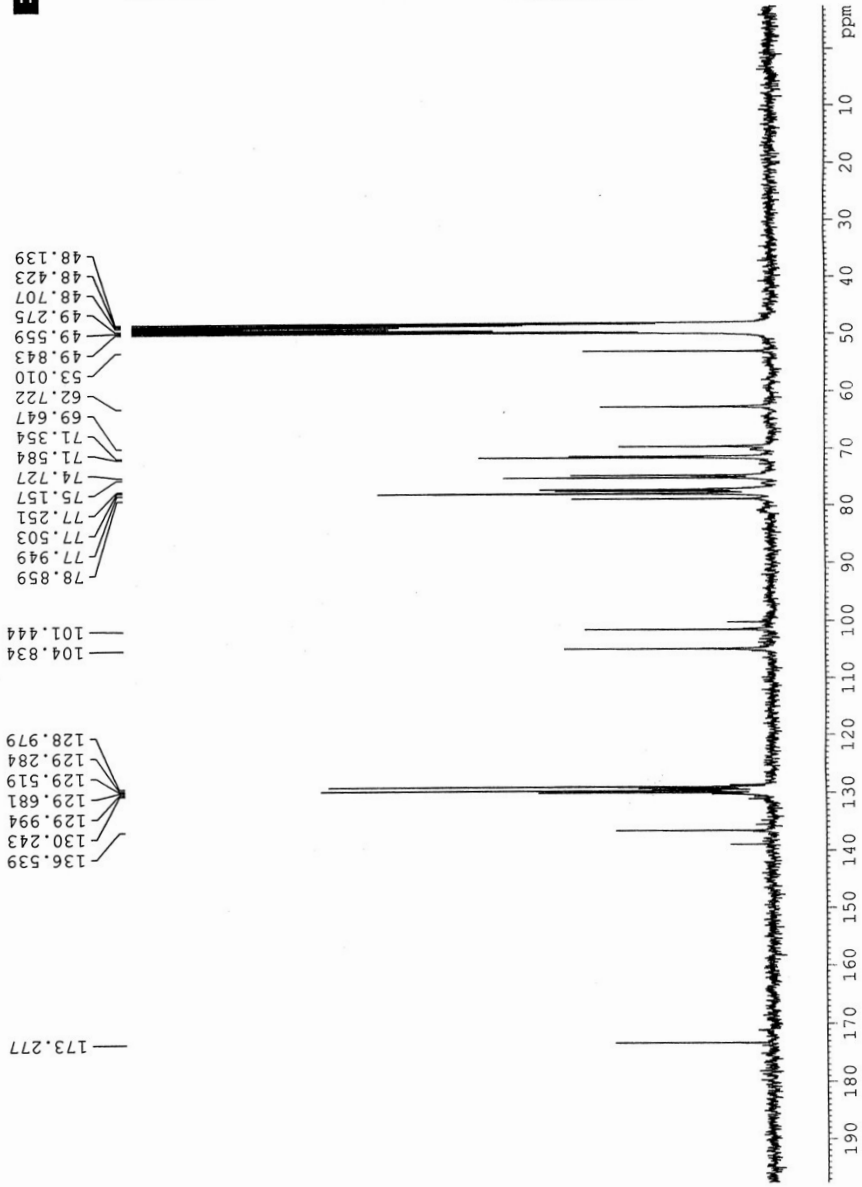
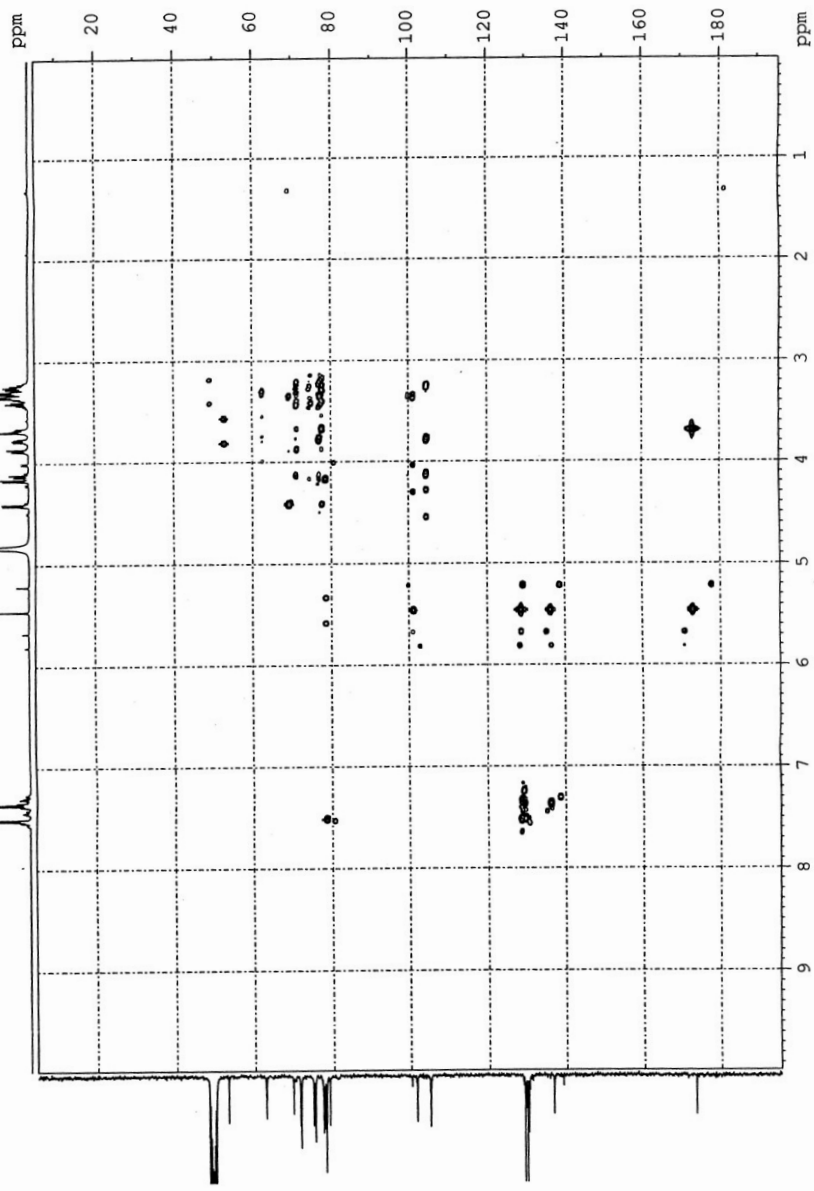


Fig. 2



AV-600-HMBC
Sample:



T-4
 NAME
 EXPNO 3
 PROCNO 3
 DATE_ 20110108
 Time 19.50
 INSTRUM spect
 PROBHD 5 mm PABBO BB
 P1PRG hmc-cp-13c
 TD 1024
 SOLVENT MeOD
 NS 80
 DS 8
 SWH 6009.415 Hz
 SF 5.868765 Hz
 FIDRES 0.0853300 sec
 AQ 29.00
 RG 83.20 usec
 DW 298.20 usec
 TE 298.2 K
 CNST2 145.0000000
 CNST13 5.0000000
 D1 0.0000000 sec
 D2 0.00344828 sec
 D6 0.1000000 sec
 D16 0.0020000 sec
 INO 0.0001653 sec
 ===== CHANNEL f1 =====
 NUC1 1H
 P1 11.20 usec
 PL1 22.20 usec
 FL1 -4.00 dB
 PL1W 34.70265579 W
 SF01 600.1330006 MHz
 ===== CHANNEL f2 =====
 NUC2 13C
 P2 8.80 usec
 PL2 83.20243100 dB
 PL2W 150.9178993 MHz
 SF02
 ===== GRADIENT CHANNEL =====
 GENM1 SINE 100
 GENM2 SINE 100
 GENM3 SINE 100
 GP21 50.00 1
 GP22 30.00 1
 P12 0.00 usec
 P13 1000.00 2
 ND0
 TD 360
 SF01 150.9179 MHz
 SW 200.6000 ppm
 F1MODE OF
 SI 1024
 WCN 600.1330006 MHz
 WFO SINE 0
 SSB 0
 LB 0.00 Hz
 GB 0
 PC 1.41
 SI 1024
 MC2 OF
 SF 150.9076356 MHz
 WCN SINE 0
 SSB 0
 LB 0.00 Hz
 SE

Fig. 4

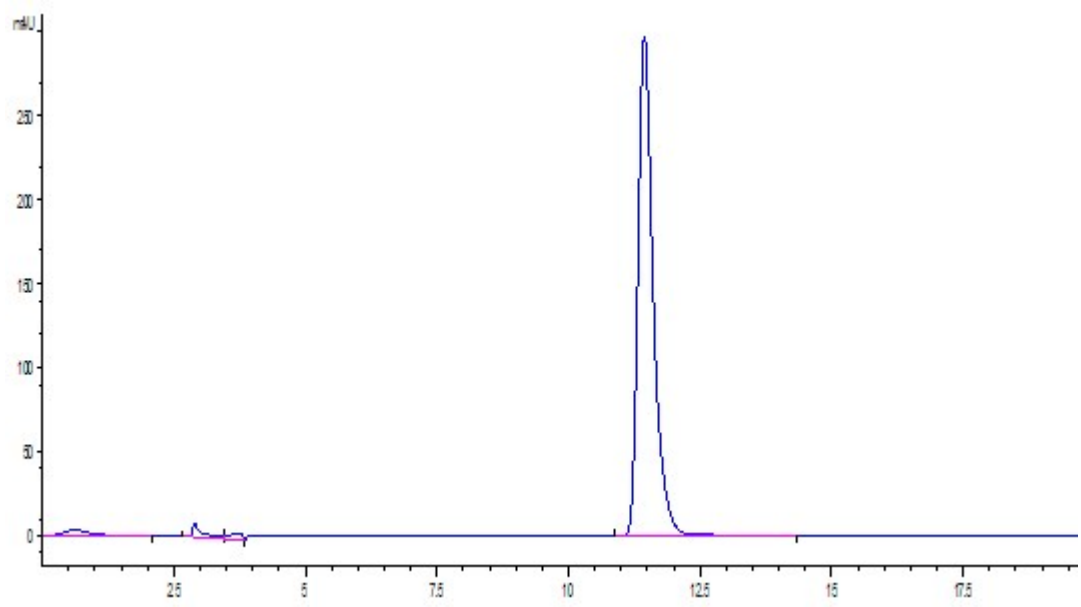


Fig. 5