Supporting Information

Synthesis of 2-Hydroxymethyl-2,3-dihydrobenzofurans

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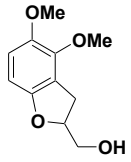
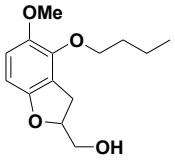
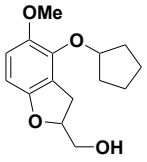
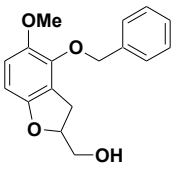
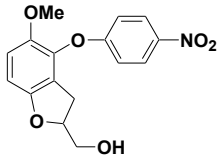
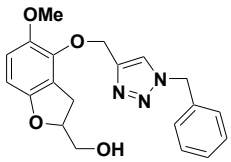
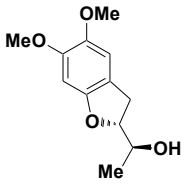
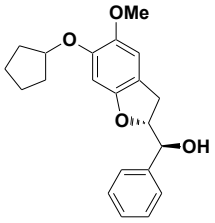
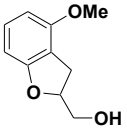
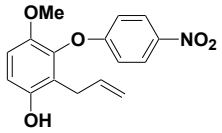
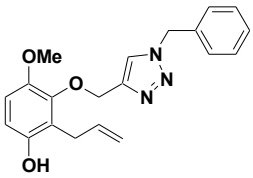
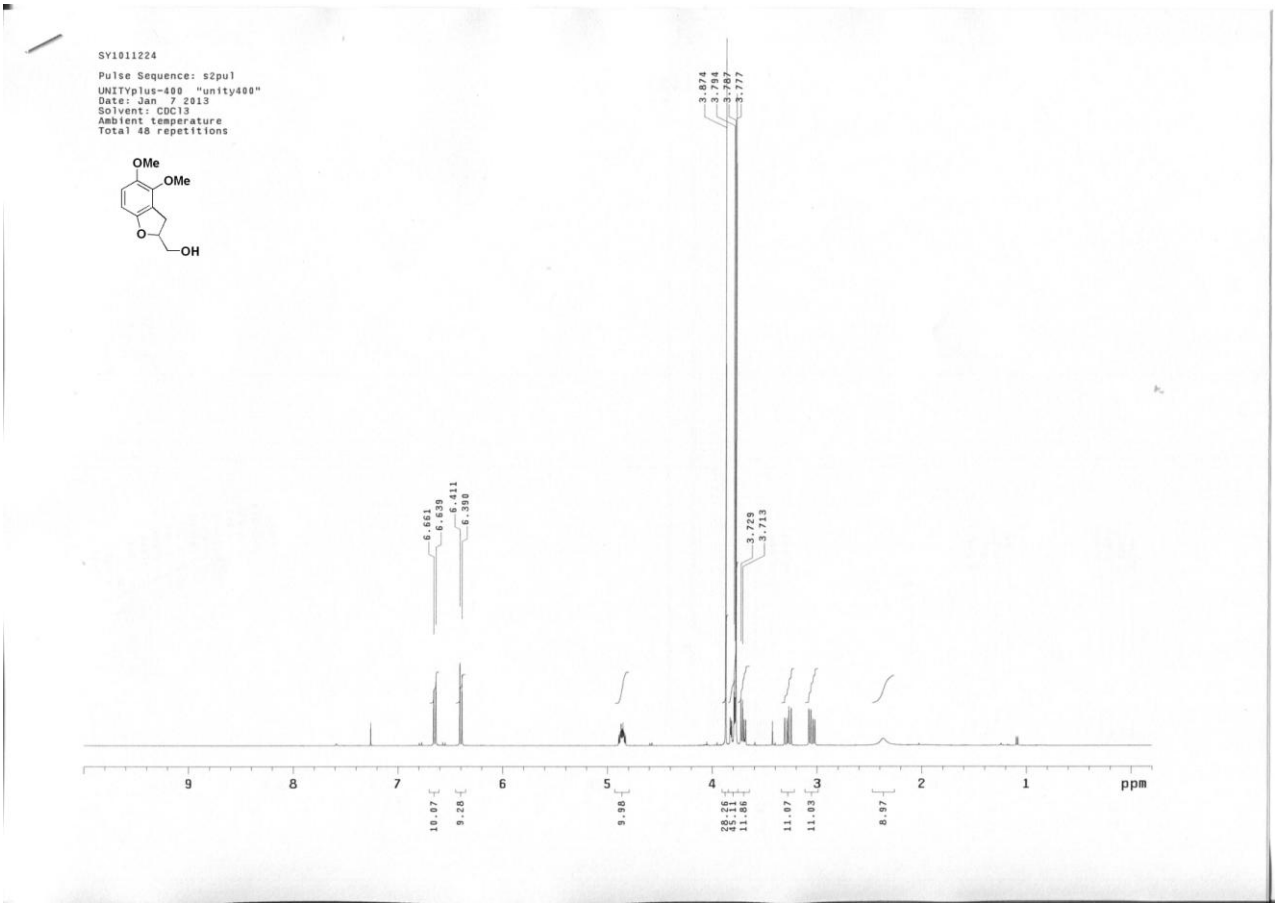
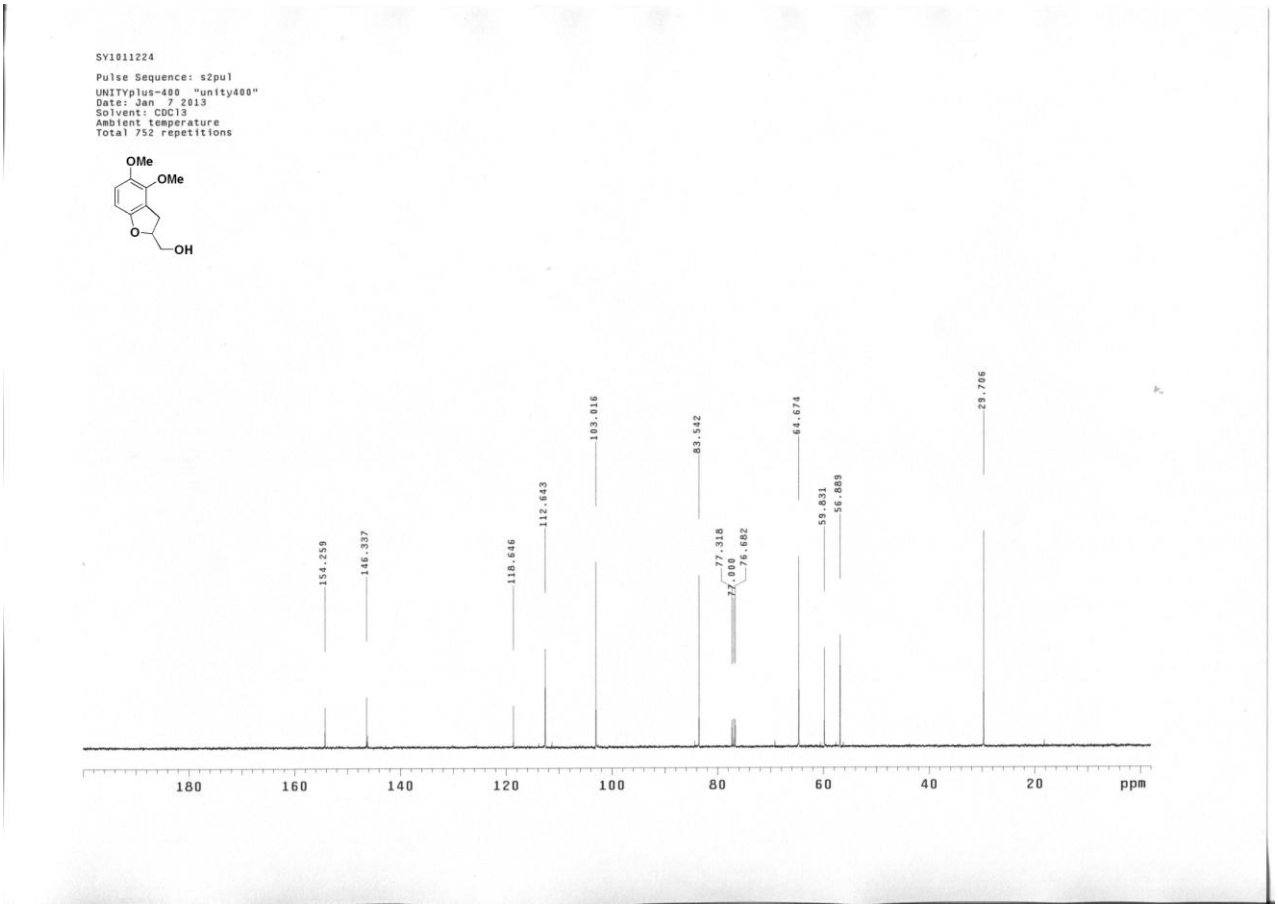
(1) Additional scanned photocopies (pages S-2~S-12)

(2) X-ray crystal data of compound **2b** (pages S-13~S-20)

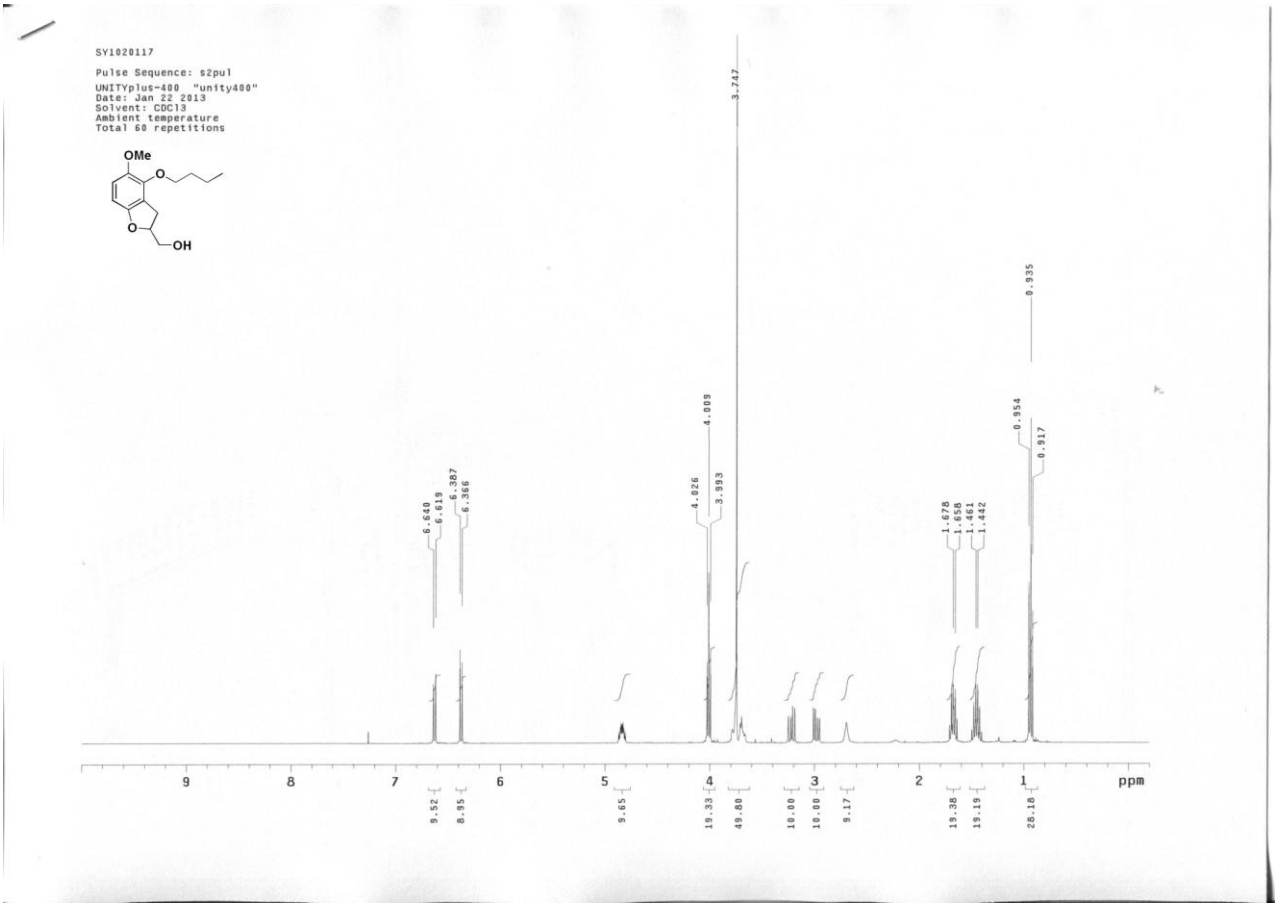
S-2 (**1a**) 	S-3 (**1b**) 	S-4 (**1c**) 	S-5 (**1d**) 	S-6 (**1e**) 
S-7 (**1f**) 	S-8 (**1g**) 	S-9 (**1h**) 	S-10 (**1i**) 	S-11 (**2a**) 
S-12 (**2b**) 				

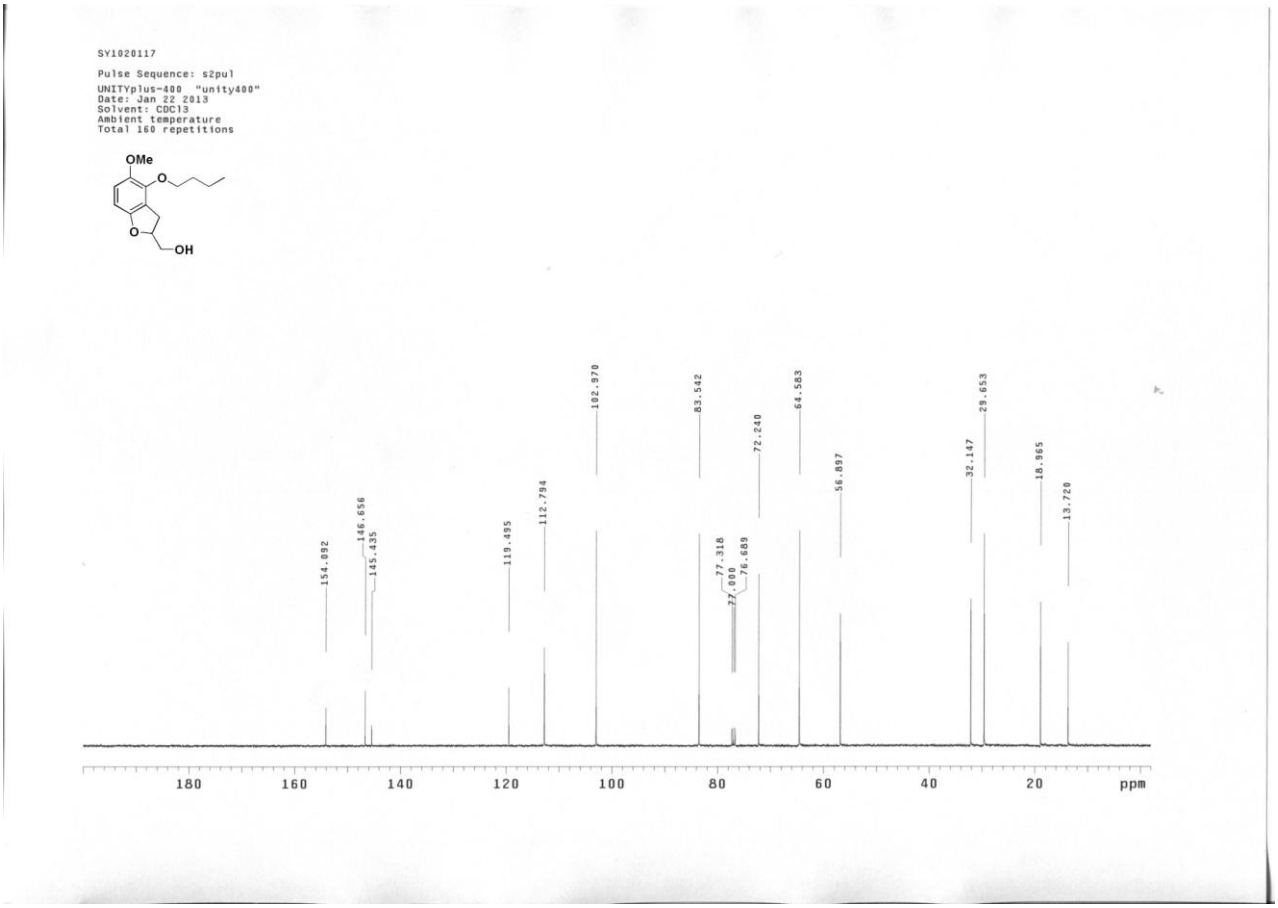
Compound 1a


SY1011224
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 7 2013
Solvent: CDCl3
Ambient temperature
Total 48 repetitions
OMe
OMe
O
OH
3.874
3.794
3.787
3.777
6.661
6.639
6.411
6.390
3.729
3.713
9
8
7
6
5
4
3
2
1
ppm
10.67
9.28
9.98
28.26
45.11
11.86
11.07
11.03
8.97

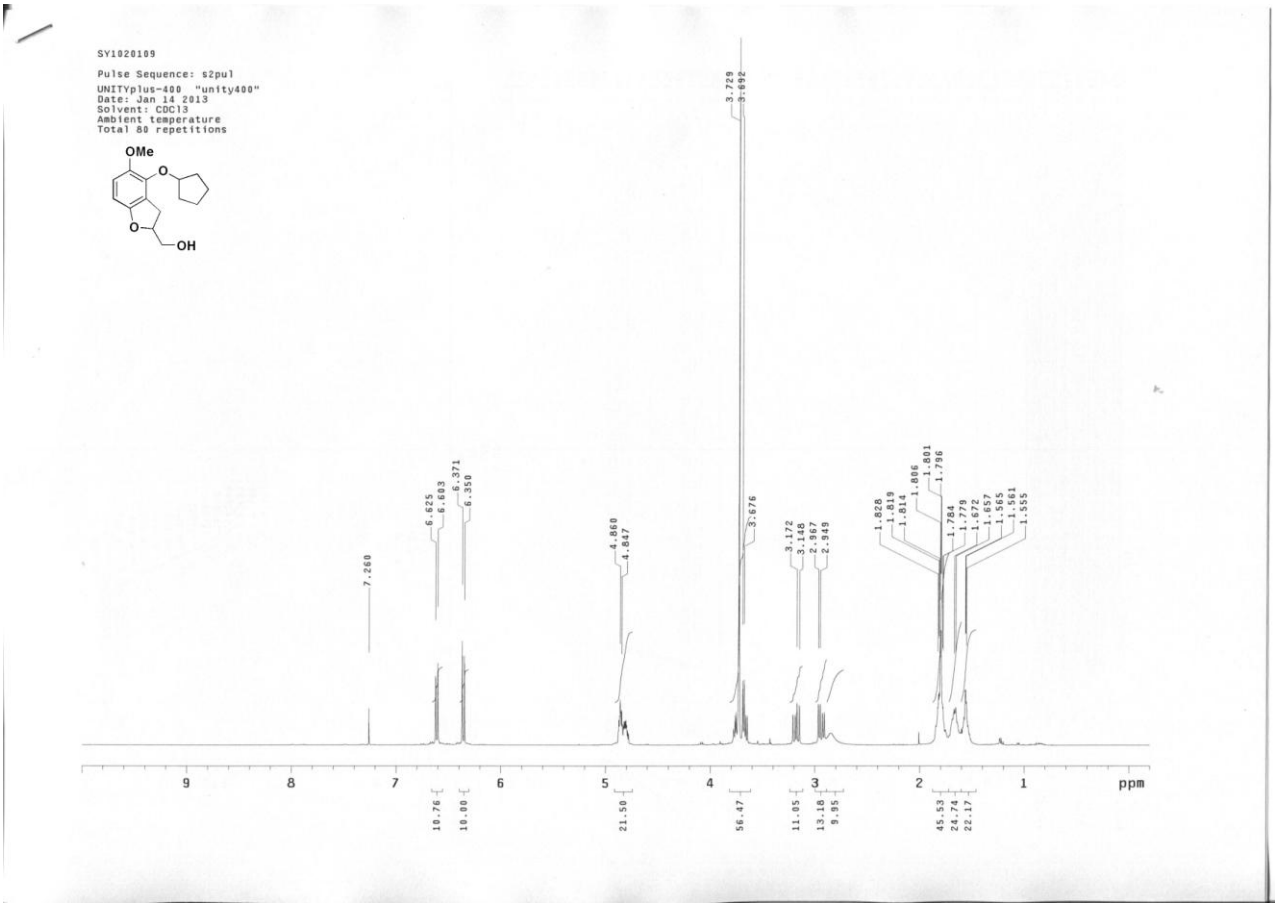

SY1011224
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 7 2013
Solvent: CDCl3
Ambient temperature
Total 752 repetitions
OMe
OMe
O
OH
154.259
146.337
118.646
112.643
103.016
83.542
77.318
77.000
76.682
64.674
59.831
56.889
29.706
180
160
140
120
100
80
60
40
20
ppm

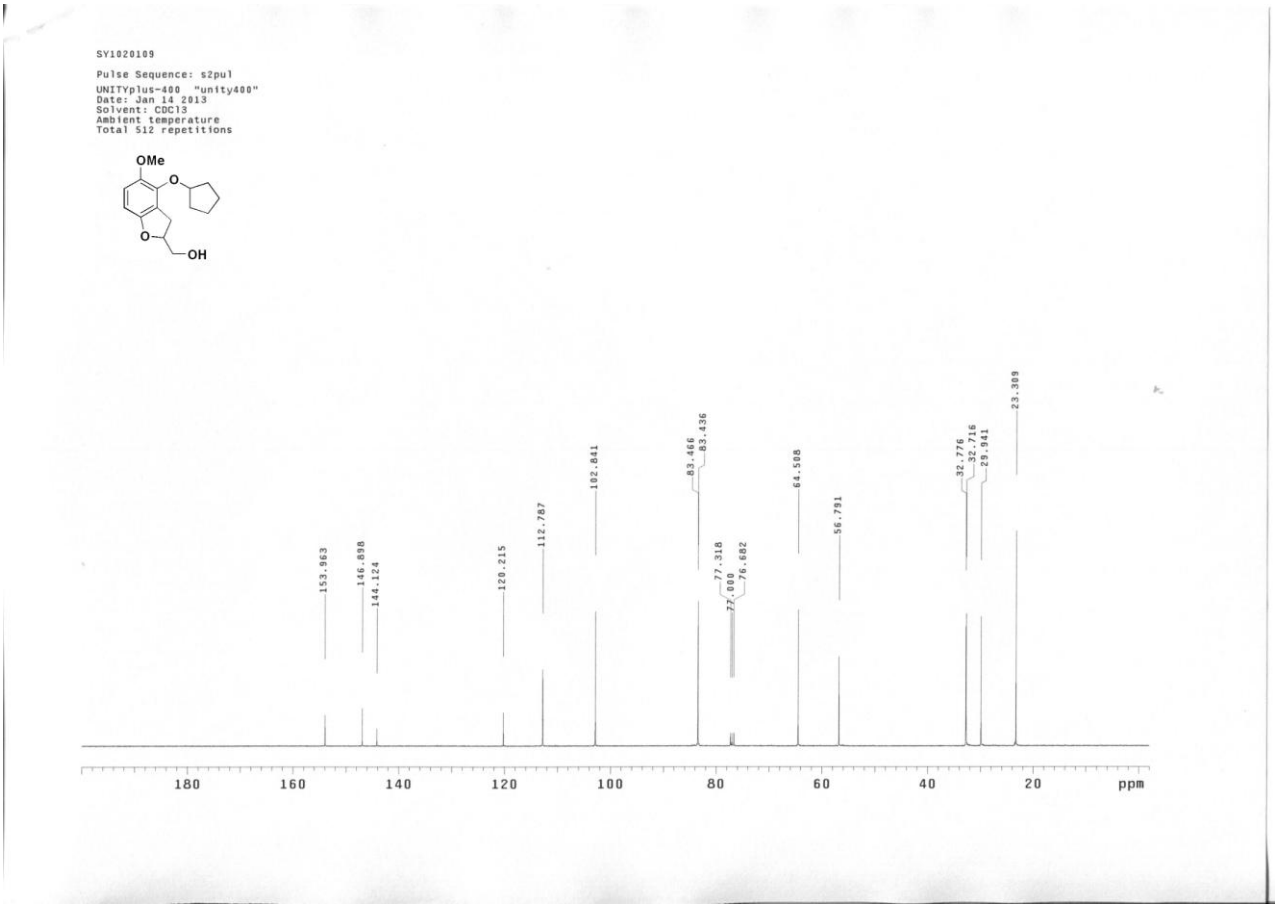
Compound 1b


SY1020117
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 22 2013
Solvent: CDCl3
Ambient temperature
Total 60 repetitions
OMe
OH
6.640
6.619
6.387
6.366
4.026
4.009
3.993
3.747
1.678
1.658
1.461
1.442
0.954
0.935
0.917
9.52
8.95
9.65
19.33
49.80
10.00
10.00
9.17
19.38
19.19
28.16
ppm

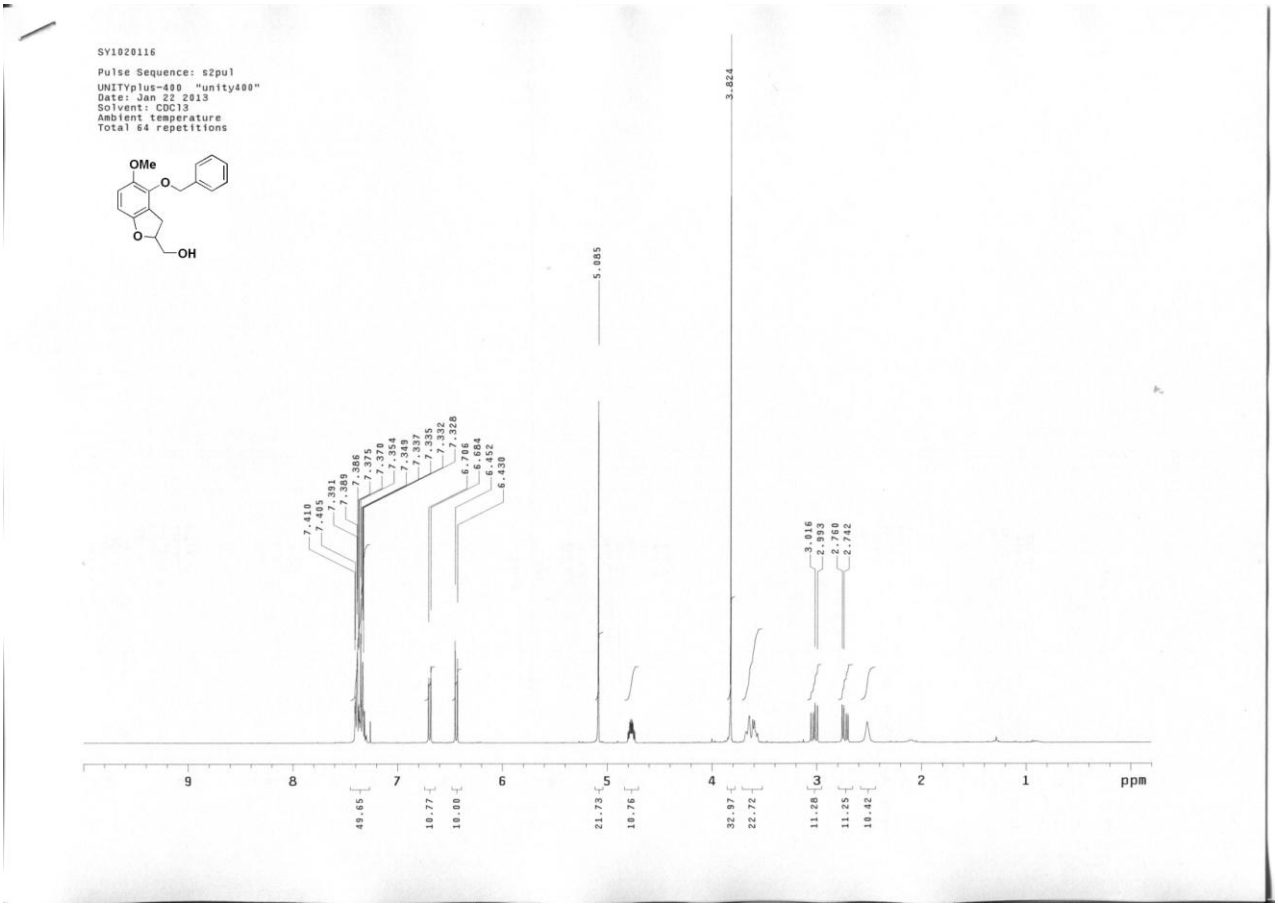

SY1020117
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 22 2013
Solvent: CDCl3
Ambient temperature
Total 160 repetitions
OMe
OH
154.892
146.656
145.435
119.495
112.794
102.970
83.542
77.318
77.000
76.689
72.240
64.583
56.897
32.147
29.653
18.965
13.720
ppm

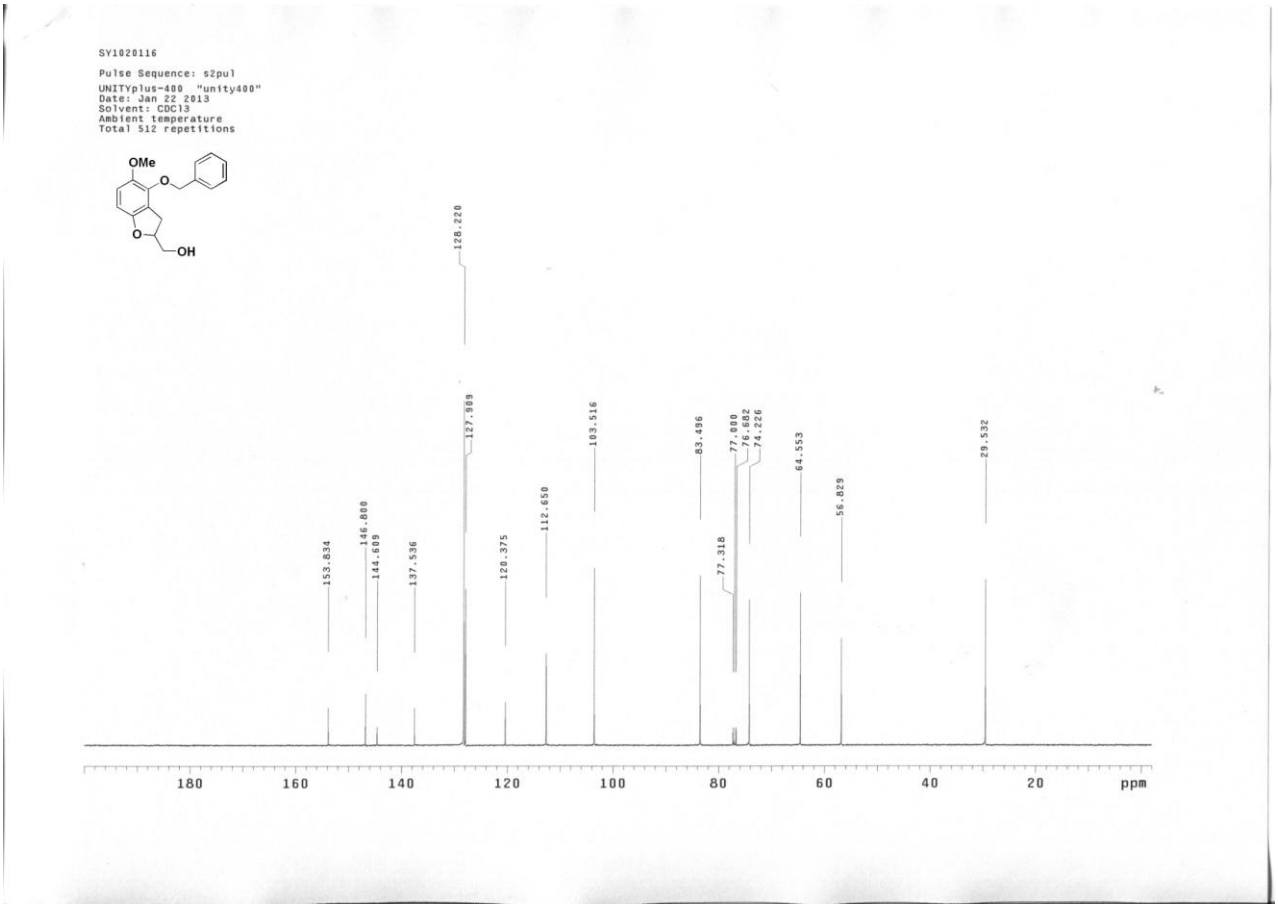
Compound 1c


SY1020109
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 14 2013
Solvent: CDCl3
Ambient temperature
Total 80 repetitions
OMe
O
O
OH
7.260
6.625
6.603
6.371
6.350
4.860
4.847
3.729
3.692
3.676
3.172
3.148
2.967
2.949
1.828
1.819
1.814
1.806
1.801
1.796
1.784
1.779
1.672
1.657
1.565
1.561
1.555
9
8
7
6
5
4
3
2
1
ppm
10.76
10.00
21.50
56.47
11.05
13.16
9.95
45.53
24.74
22.17

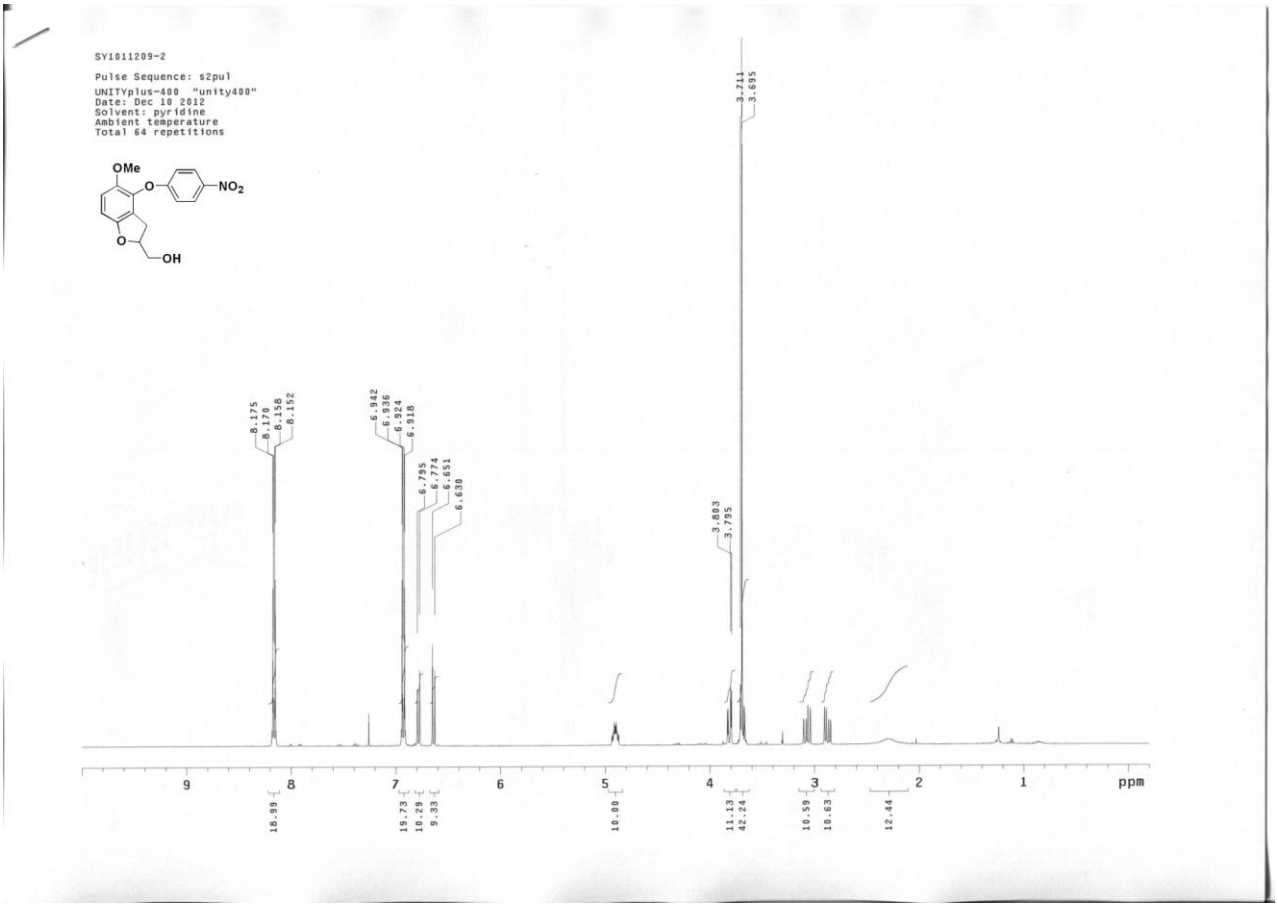

SY1020109
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 14 2013
Solvent: CDCl3
Ambient temperature
Total 512 repetitions
OMe
O
O
OH
153.963
146.898
144.124
120.215
112.787
102.841
83.466
83.436
77.318
77.000
76.682
64.588
56.791
32.776
32.716
29.941
23.309
180
160
140
120
100
80
60
40
20
ppm

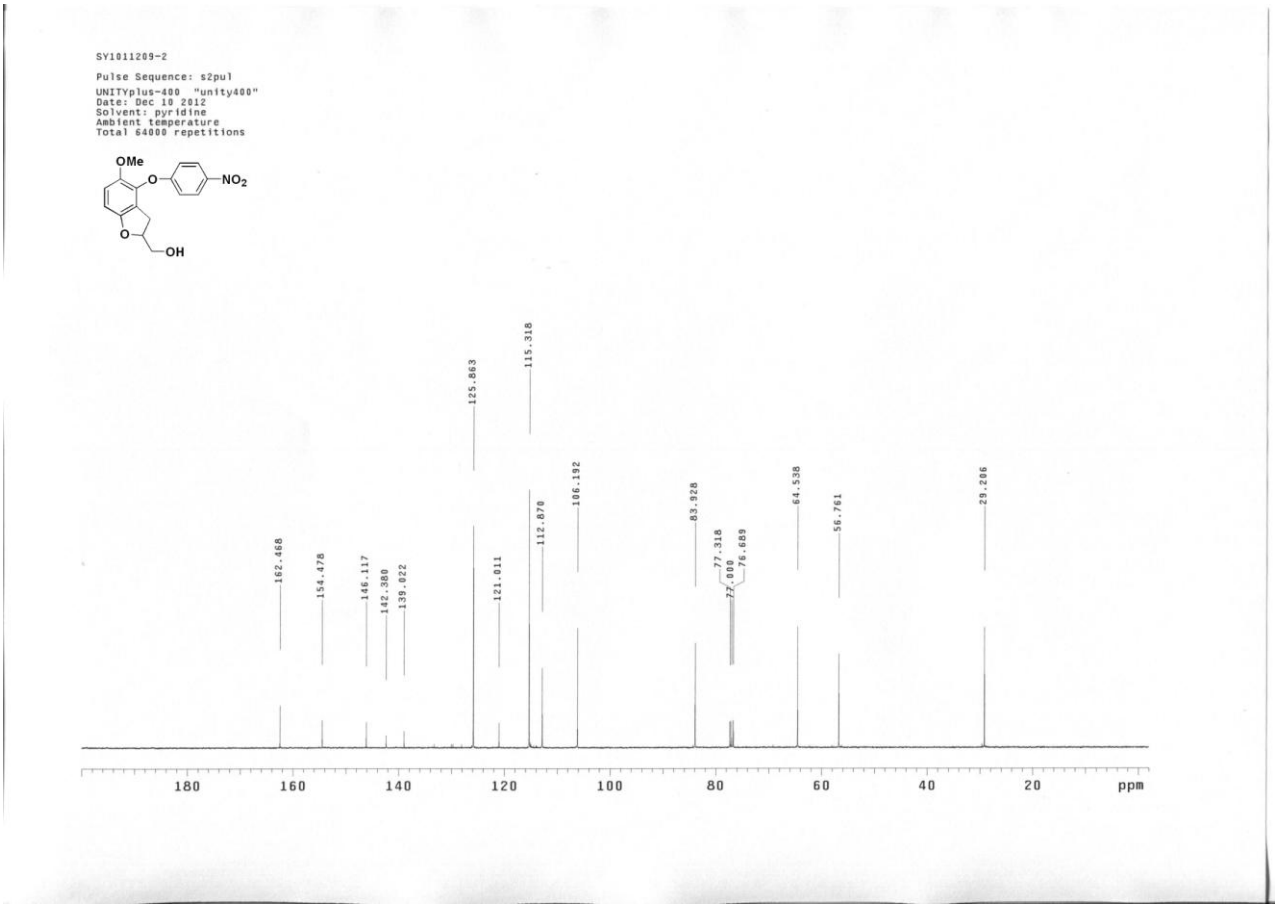
Compound 1d


SY1020116
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 22 2013
Solvent: CDCl3
Ambient temperature
Total 64 repetitions
OMe
OH
7.410
7.405
7.391
7.389
7.386
7.376
7.370
7.354
7.349
7.337
7.335
7.332
7.328
6.707
6.684
6.452
6.430
5.085
3.824
3.016
2.993
2.760
2.742
9
8
7
6
5
4
3
2
1
ppm
49.65
10.77
10.00
21.73
10.76
32.97
22.72
11.28
11.25
10.42

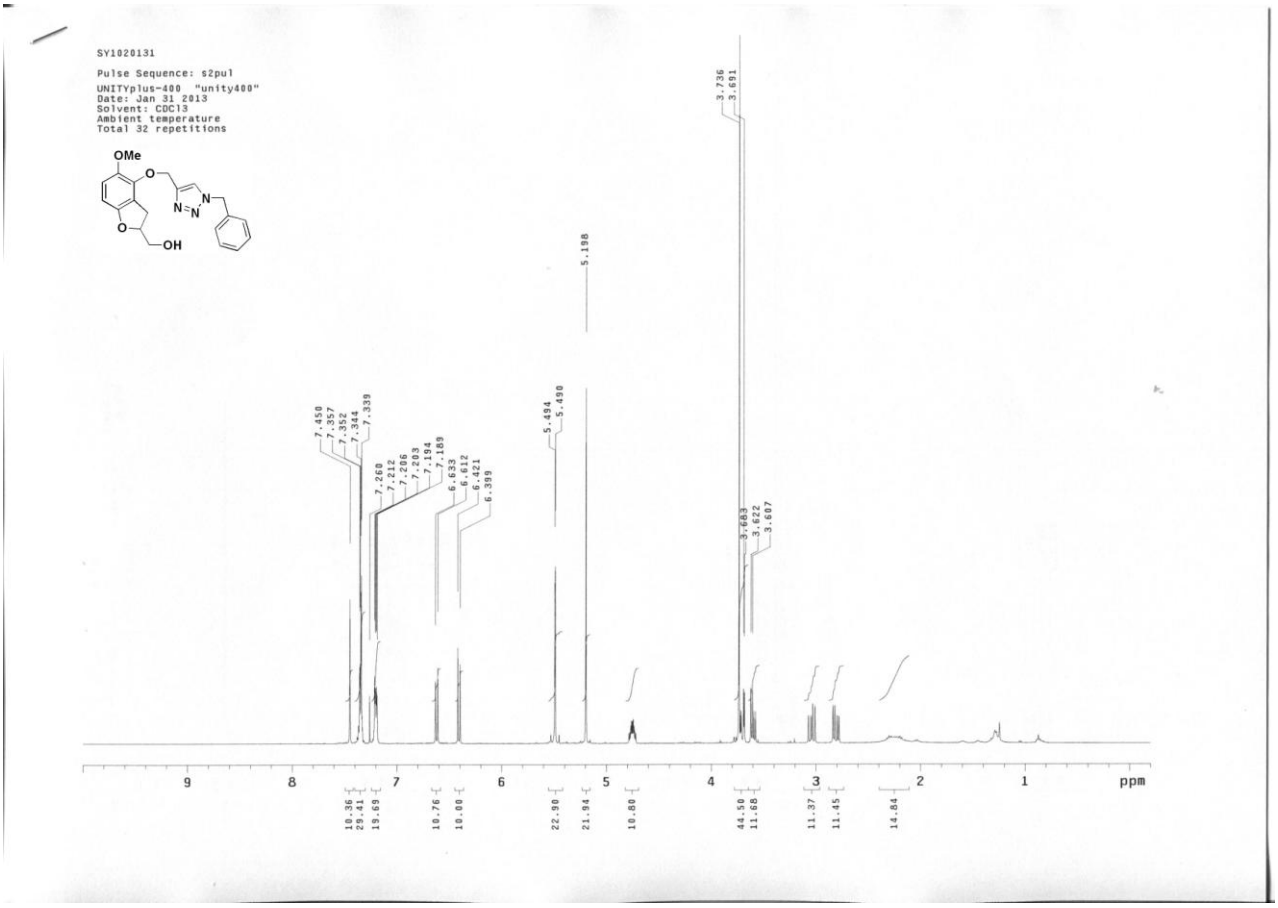

SY1020116
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 22 2013
Solvent: CDCl3
Ambient temperature
Total 512 repetitions
OMe
OH
153.834
146.808
144.609
137.536
128.220
127.989
120.375
112.650
103.516
83.496
77.318
77.000
76.682
74.226
64.553
56.829
29.532
180
160
140
120
100
80
60
40
20
ppm

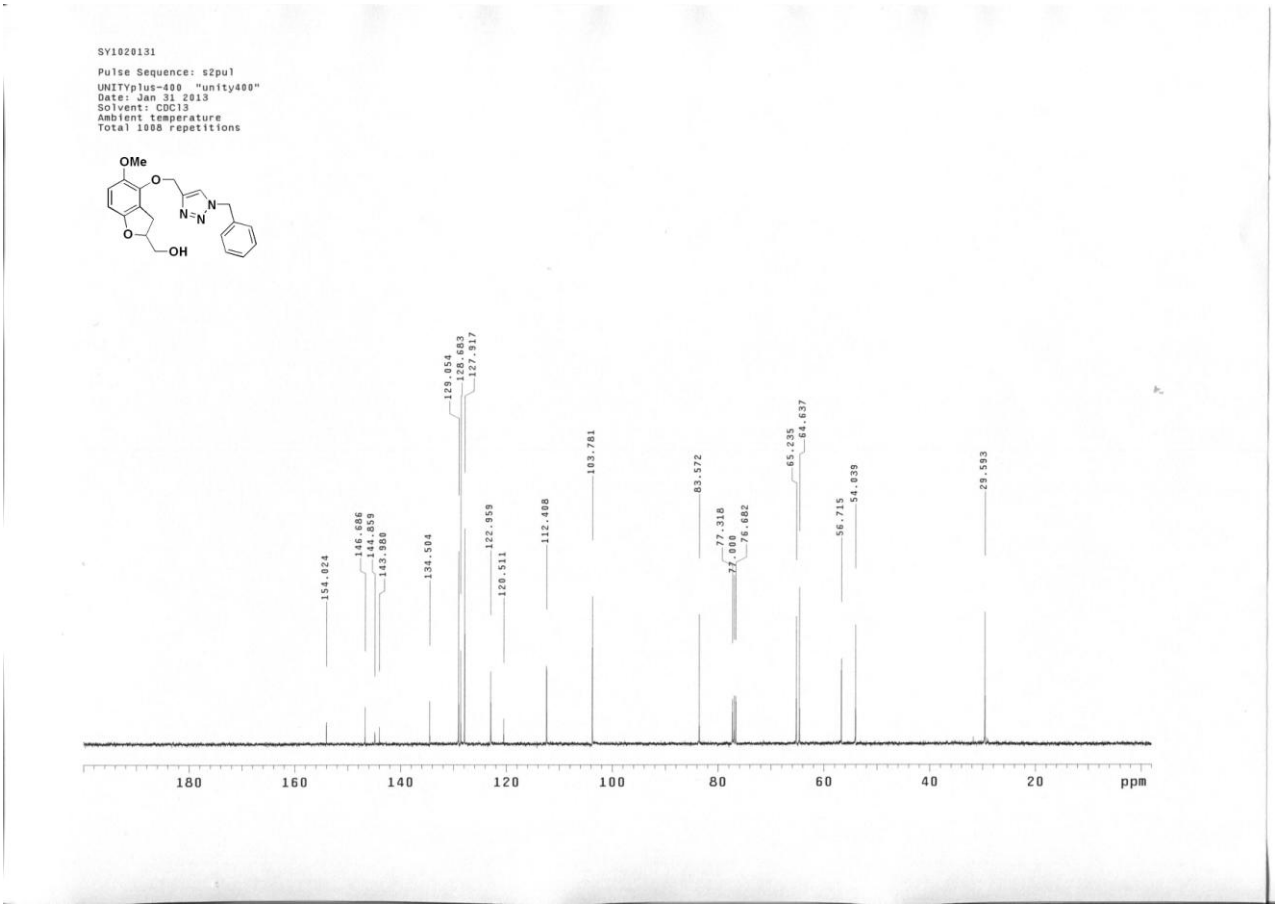
Compound 1e


SY1011209-2
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Dec 10 2012
Solvent: pyridine
Ambient temperature
Total 64 repetitions
OMe
NO2
OH
8.175
8.170
8.158
8.152
6.942
6.936
6.924
6.918
6.795
6.774
6.651
6.630
3.803
3.795
3.711
3.695
ppm
18.99
19.73
10.29
9.33
10.00
11.13
42.24
10.59
10.63
12.44

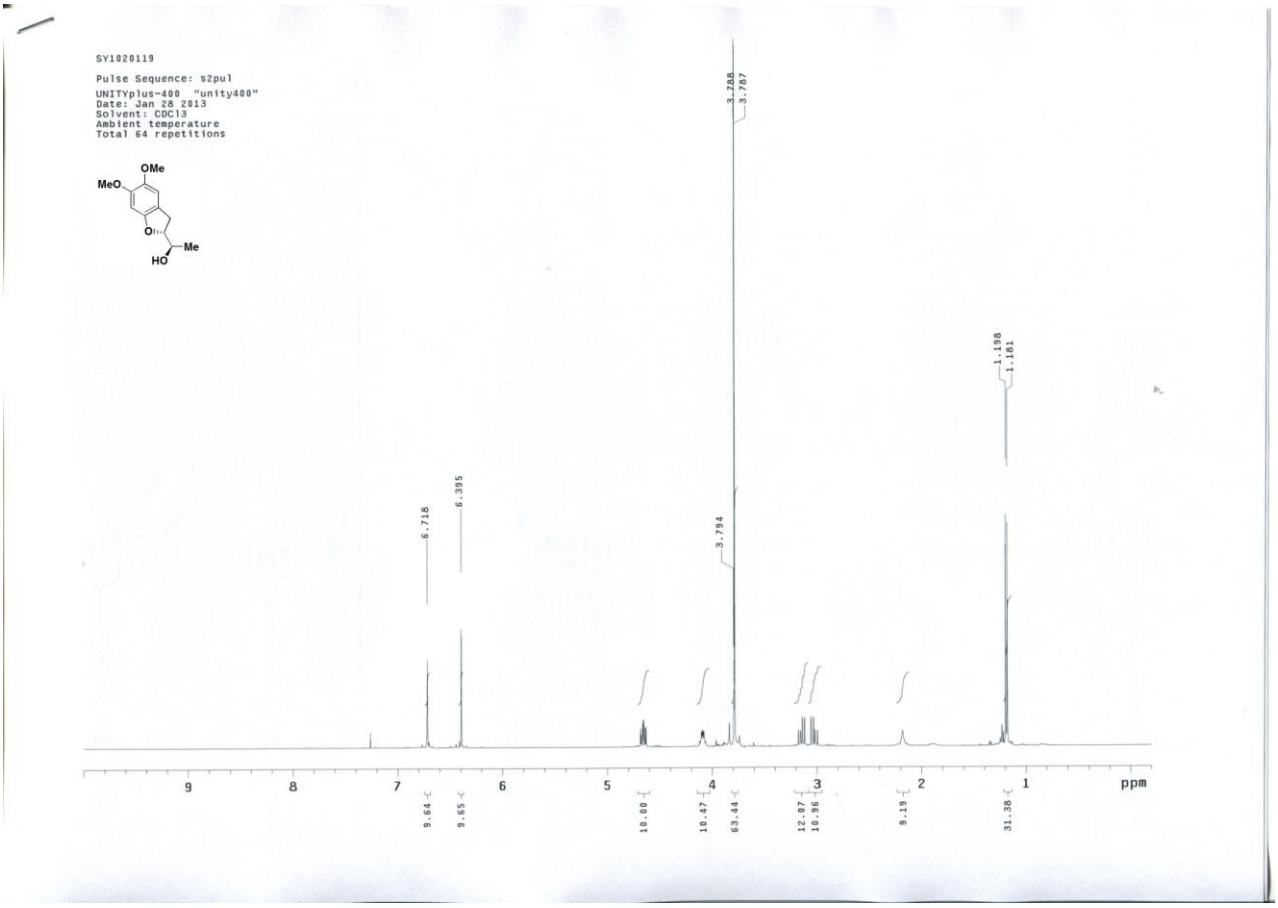

SY1011209-2
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Dec 10 2012
Solvent: pyridine
Ambient temperature
Total 64000 repetitions
OMe
NO2
OH
162.468
154.478
146.117
142.380
139.022
125.863
121.011
115.318
112.870
106.192
83.928
77.318
77.000
76.689
64.538
56.761
29.266
ppm

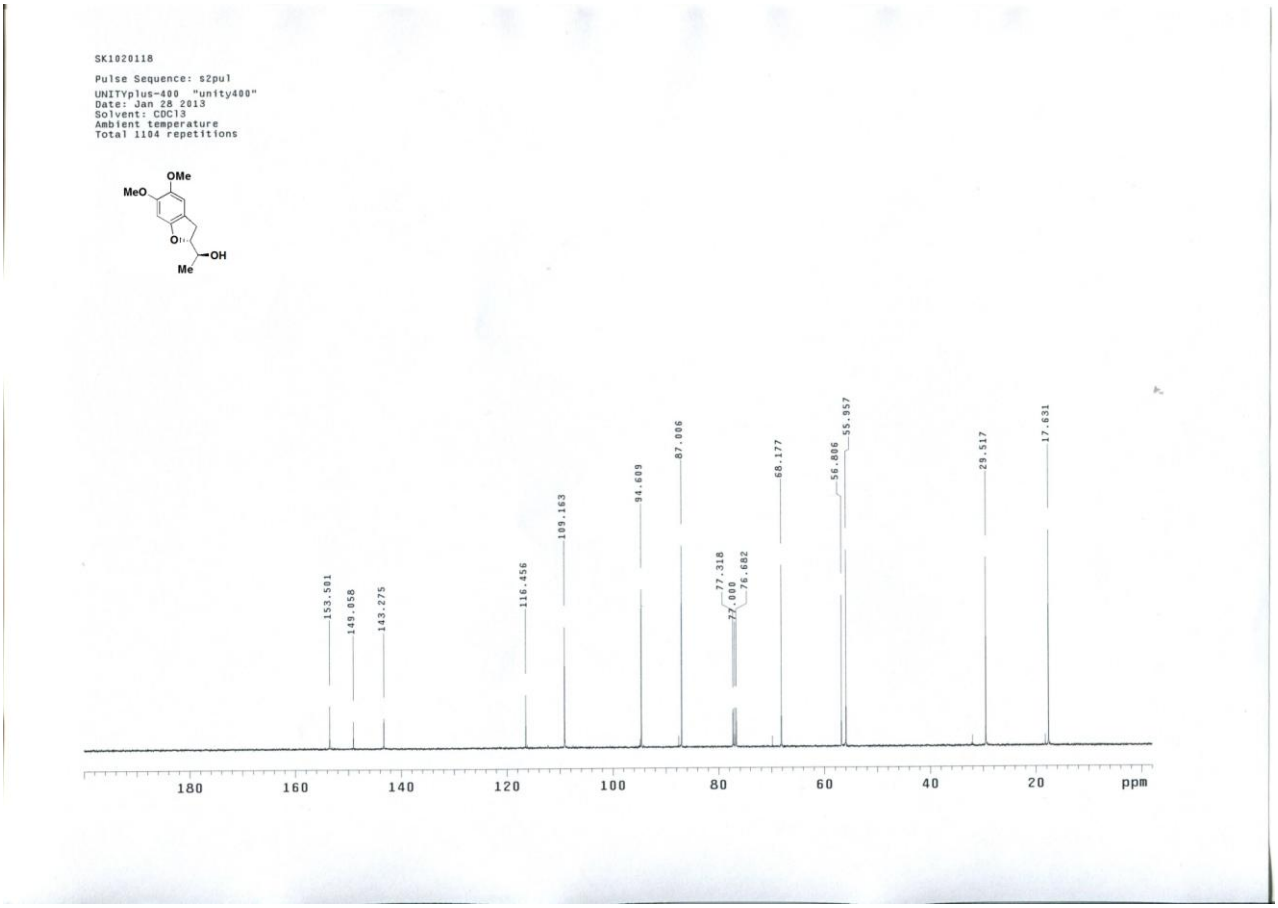
Compound 1f


SY1020131
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 31 2013
Solvent: CDCl3
Ambient temperature
Total 32 repetitions
OMe
OH
3.736
3.691
5.198
7.458
7.357
7.352
7.344
7.339
7.268
7.212
7.206
7.203
7.194
7.189
6.633
6.627
6.421
6.399
5.494
5.490
3.683
3.622
3.607
ppm
10.36
29.41
19.69
10.76
10.00
22.90
21.94
10.80
44.50
11.68
11.37
11.45
14.84

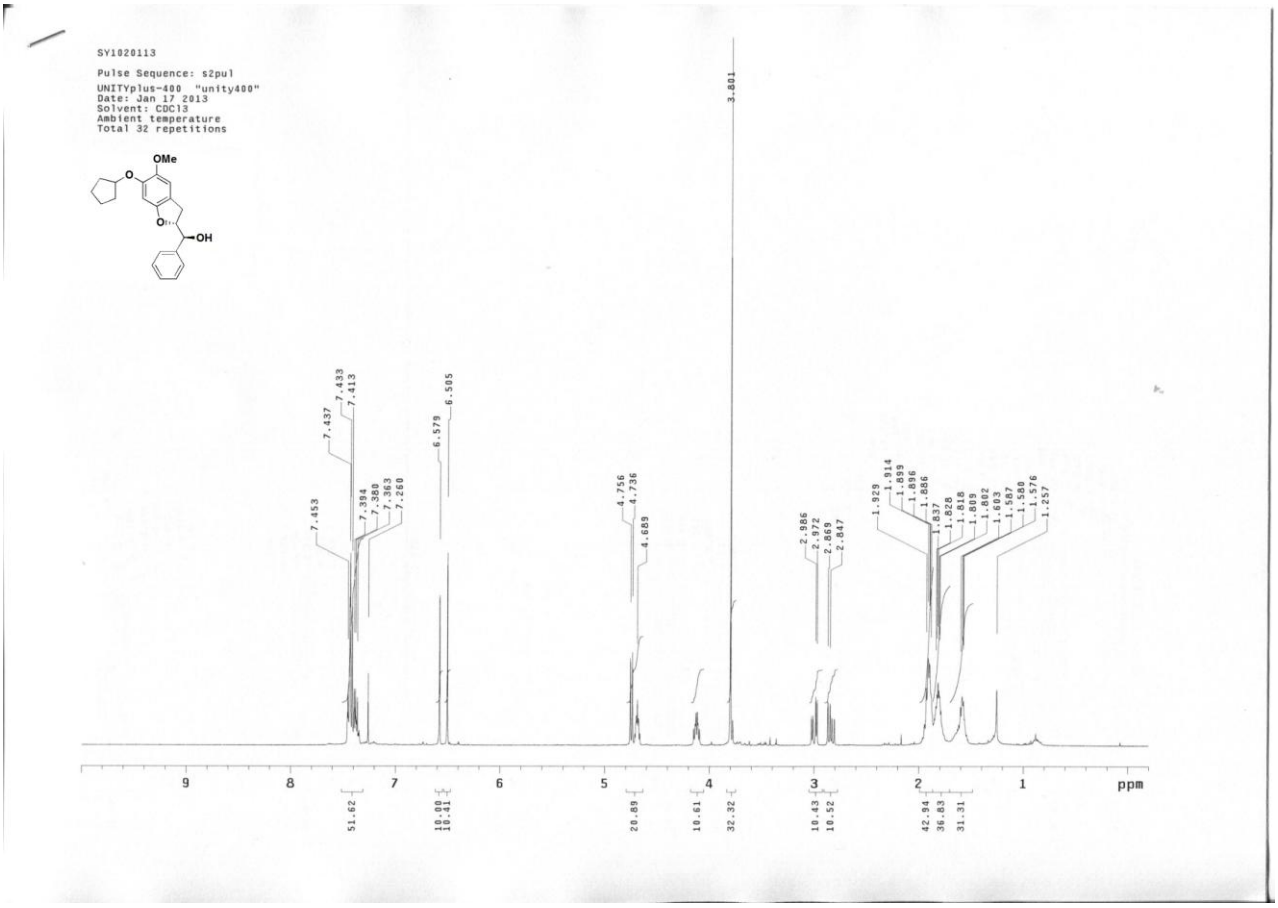

SY1020131
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 31 2013
Solvent: CDCl3
Ambient temperature
Total 1008 repetitions
OMe
OH
154.024
146.686
144.859
143.980
134.504
129.054
128.683
127.917
122.959
120.511
112.408
103.781
83.572
77.318
77.000
76.682
65.235
64.637
56.715
54.039
29.593
ppm

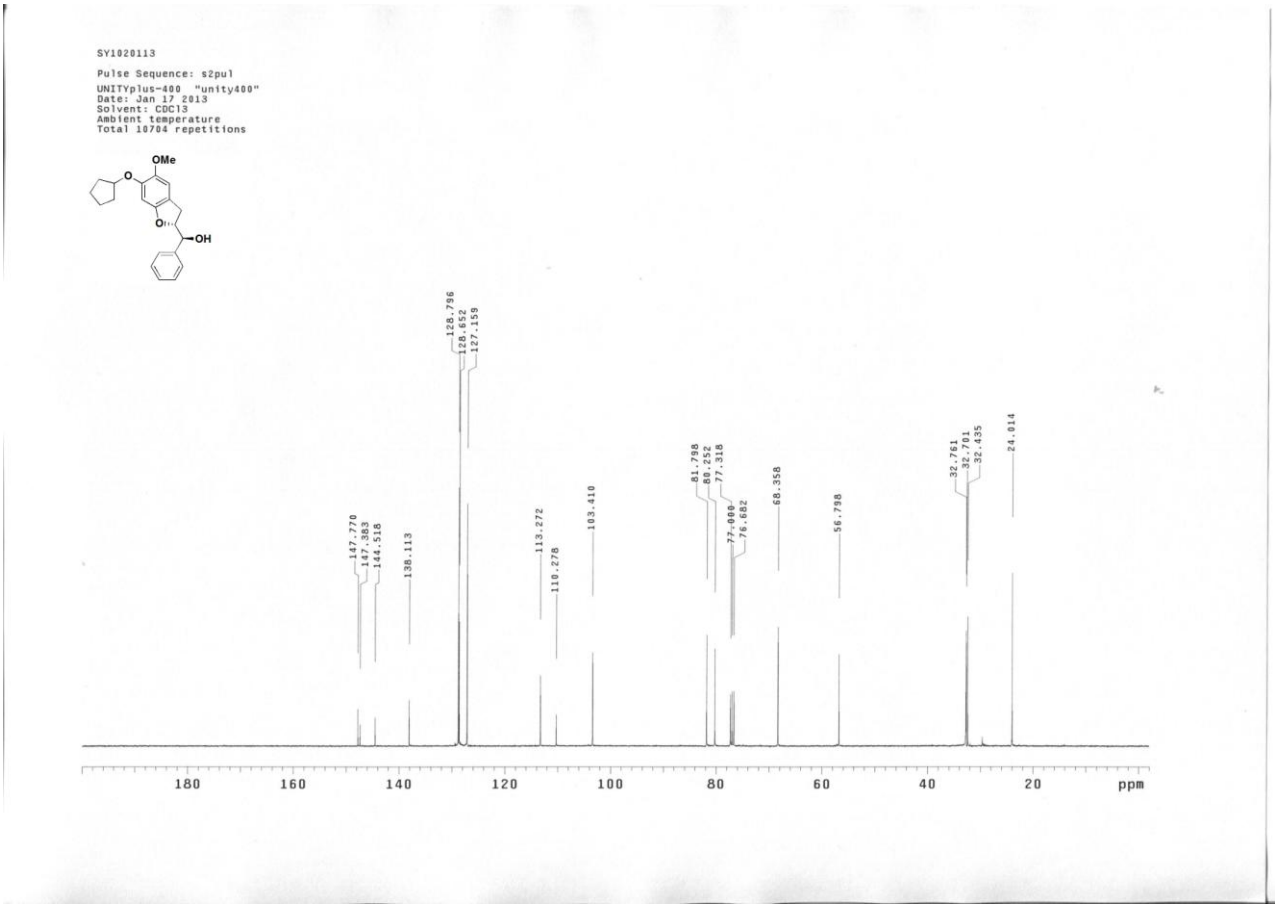
Compound 1g


SY1020119
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 28 2013
Solvent: CDCl3
Ambient temperature
Total 64 repetitions
OMe
MeO
O
Me
HO
3.788
3.787
1.198
1.181
6.718
6.395
3.794
9
8
7
6
5
4
3
2
1
ppm
9.64
9.65
10.00
10.47
63.44
12.97
10.96
9.19
31.38

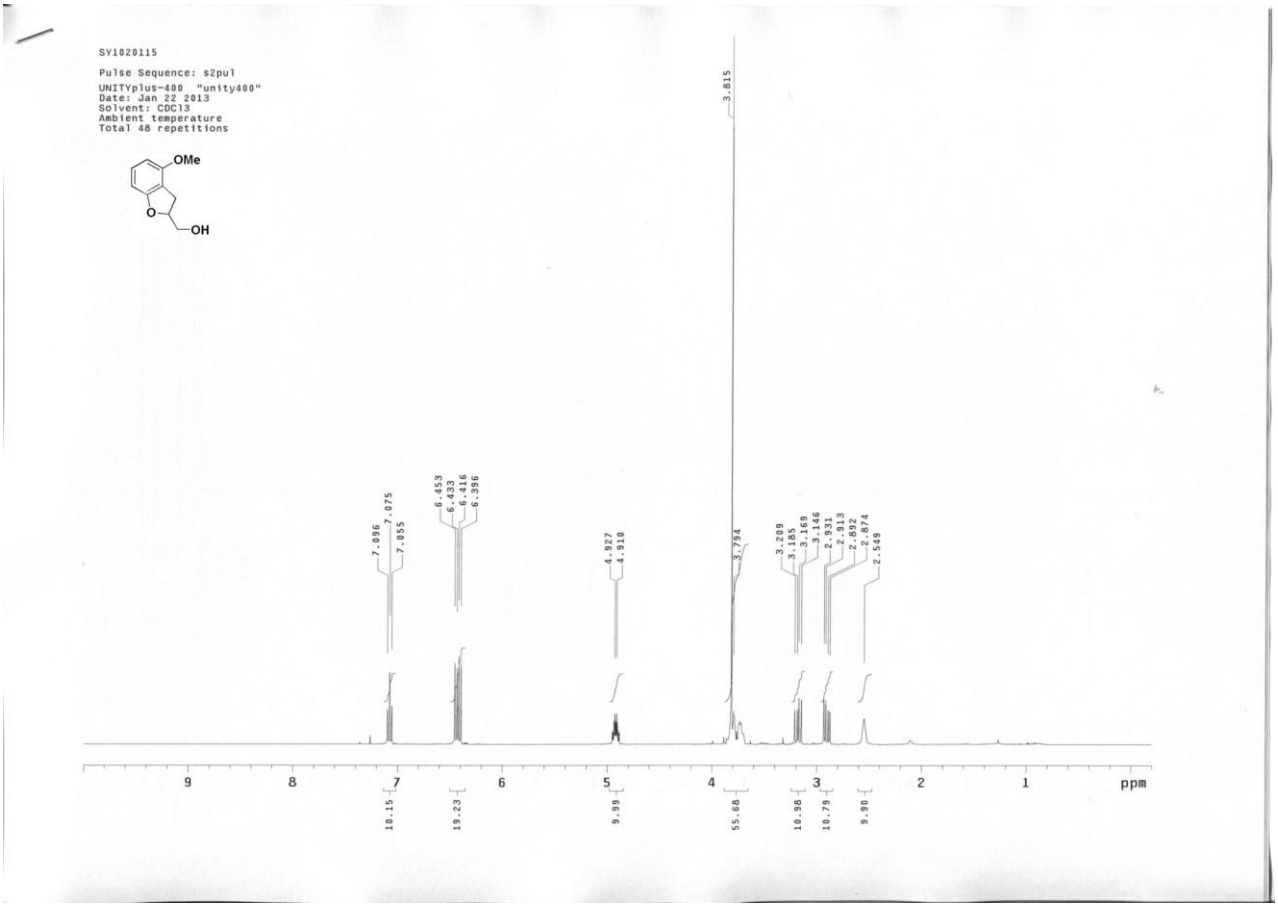

SK1020118
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 28 2013
Solvent: CDCl3
Ambient temperature
Total 1104 repetitions
OMe
MeO
O
OH
Me
153.501
149.058
143.275
116.456
109.163
94.609
87.006
77.318
77.000
76.682
68.177
56.606
55.957
29.517
17.631
180
160
140
120
100
80
60
40
20
ppm

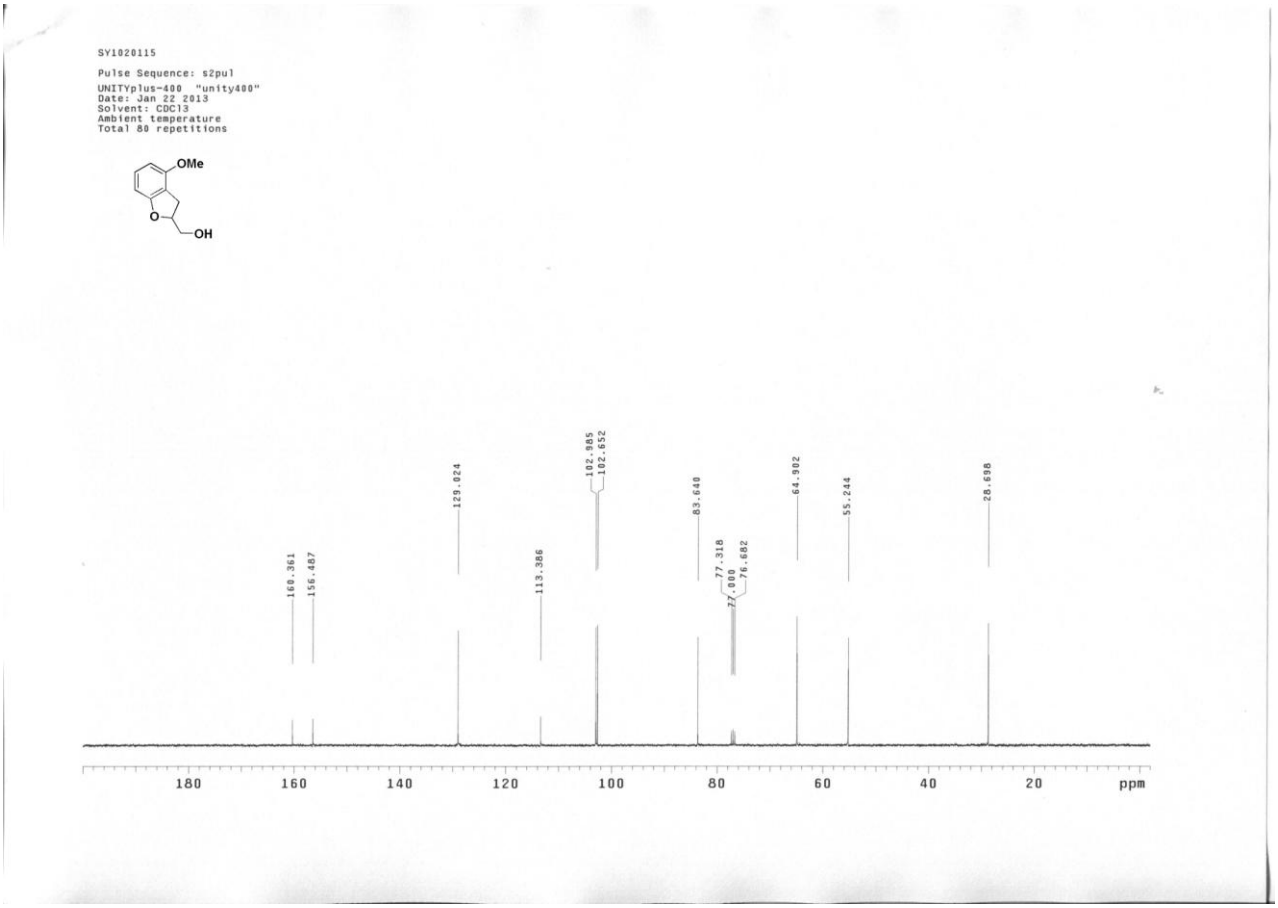
Compound 1h


SY1020113
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 17 2013
Solvent: CDCl3
Ambient temperature
Total 32 repetitions
OMe
OH
7.453
7.437
7.433
7.413
7.394
7.380
7.363
7.260
6.579
6.565
4.756
4.736
4.689
3.801
2.986
2.972
2.858
2.847
1.929
1.914
1.899
1.886
1.837
1.828
1.810
1.809
1.662
1.587
1.580
1.576
1.257
ppm

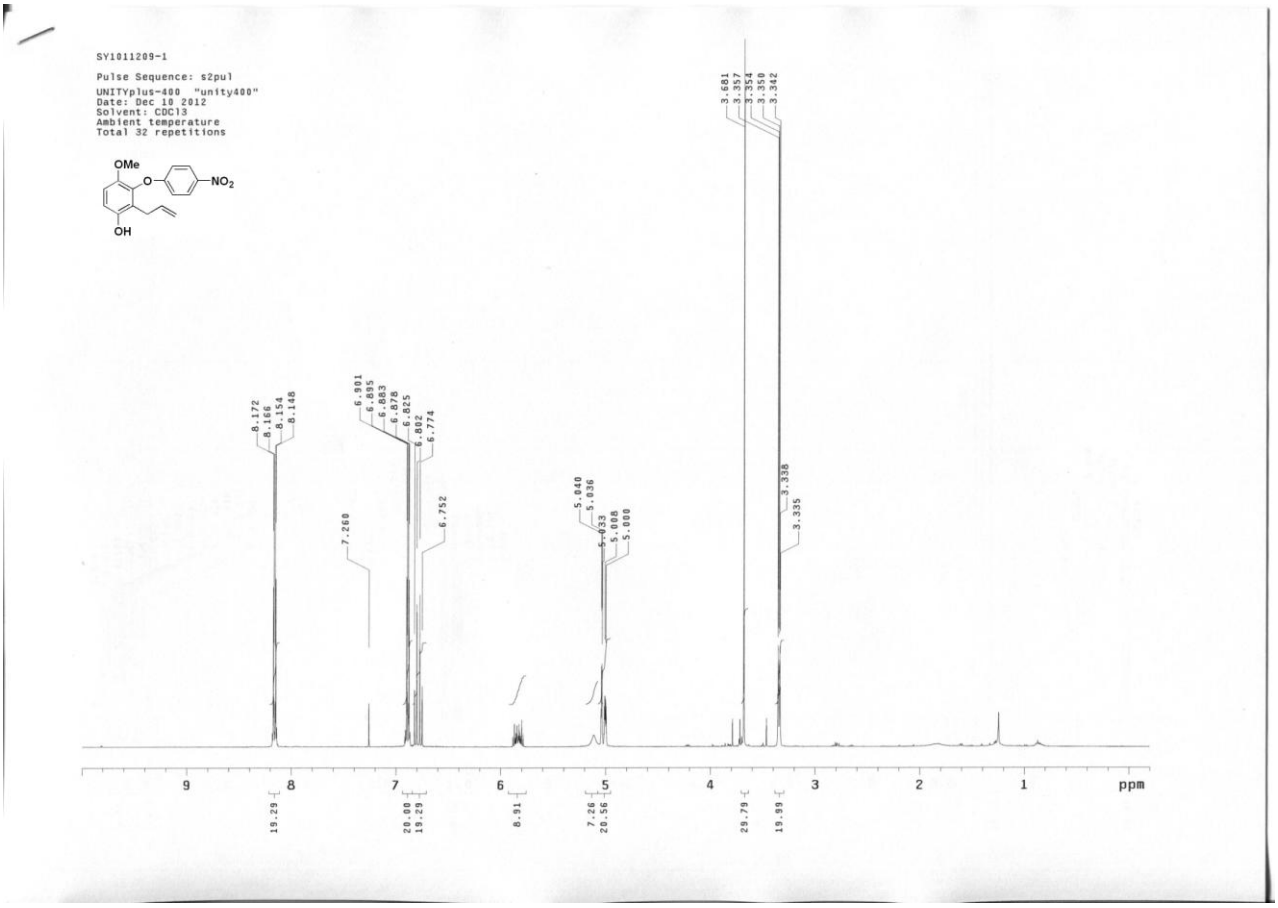

SY1020113
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 17 2013
Solvent: CDCl3
Ambient temperature
Total 10704 repetitions
OMe
OH
147.370
147.363
144.518
138.113
128.796
128.652
127.159
113.272
110.278
103.410
81.798
80.252
77.318
77.000
76.682
68.358
56.798
32.761
32.701
32.435
24.014
ppm

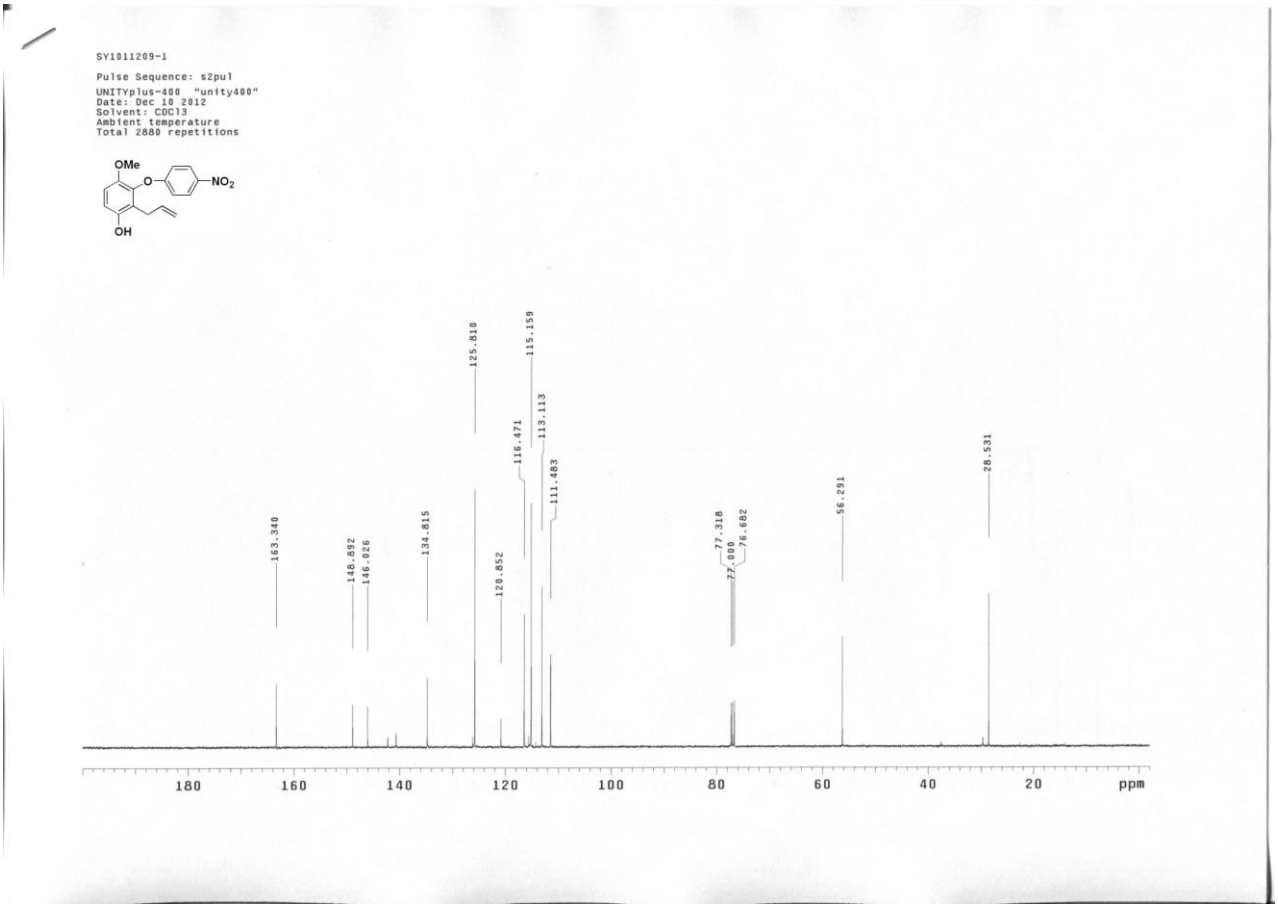
Compound 1i


SY1020115
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 22 2013
Solvent: CDCl3
Ambient temperature
Total 48 repetitions
OMe
O
OH
7.096
7.075
7.055
6.453
6.433
6.416
6.396
4.927
4.910
3.815
3.794
3.209
3.185
3.169
3.146
2.933
2.913
2.892
2.874
2.549
9
8
7
6
5
4
3
2
1
ppm
10.15
19.23
9.99
55.68
10.88
10.79
9.90

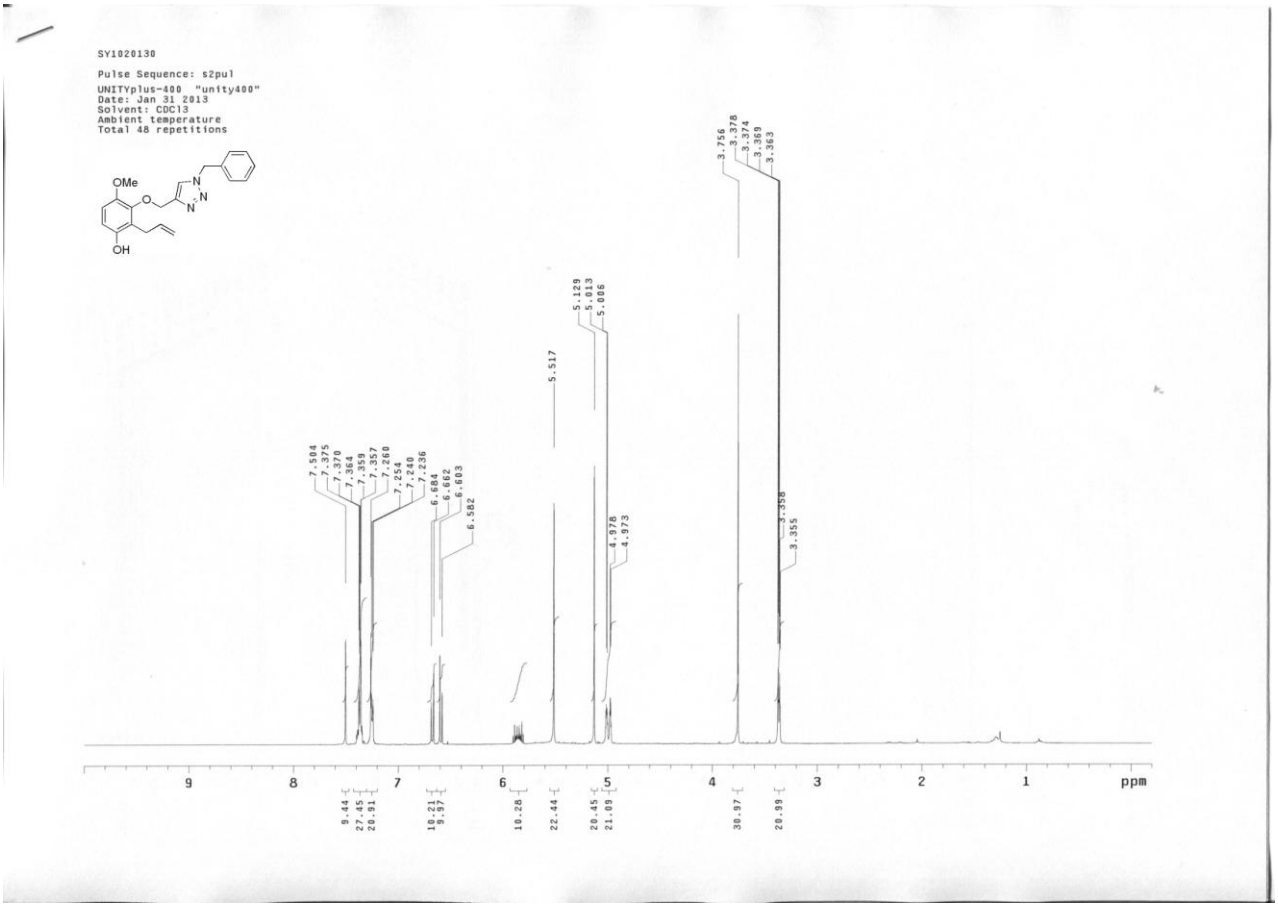

SY1020115
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 22 2013
Solvent: CDCl3
Ambient temperature
Total 80 repetitions
OMe
O
OH
160.361
156.487
129.024
113.366
102.985
102.652
83.640
77.318
77.001
76.682
64.902
55.244
28.698
180
160
140
120
100
80
60
40
20
ppm

Compound 2a


SY1011209-1
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Dec 10 2012
Solvent: CDCl3
Ambient temperature
Total 32 repetitions
OMe
O
NO2
OH
8.172
8.166
8.154
8.148
7.260
6.901
6.895
6.883
6.878
6.825
6.802
6.774
6.752
5.040
5.036
5.033
5.008
5.000
3.681
3.357
3.354
3.350
3.342
3.338
3.335
9
8
7
6
5
4
3
2
1
ppm
19.29
20.00
19.29
0.91
7.26
20.56
29.79
19.99


SY1011209-1
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Dec 10 2012
Solvent: CDCl3
Ambient temperature
Total 2880 repetitions
OMe
O
NO2
OH
163.340
148.892
146.026
134.815
125.810
120.852
116.471
115.159
113.113
111.483
77.318
77.000
76.682
56.291
28.531
180
160
140
120
100
80
60
40
20
ppm

Compound 2b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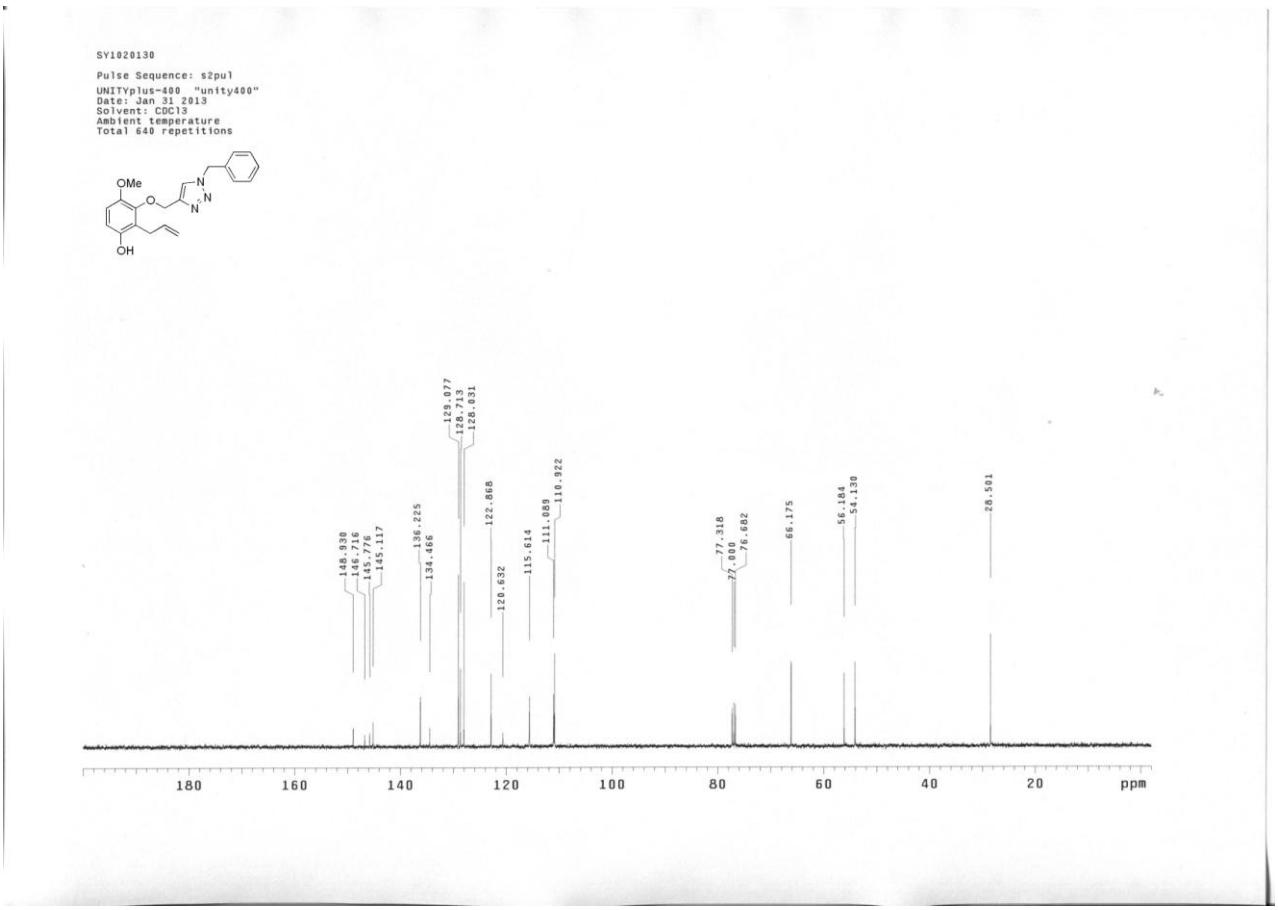
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 31 2013
Solvent: CDCl3
Ambient temperature
Total 48 repetitions
OMe
OH
7.504
7.375
7.370
7.364
7.359
7.357
7.260
7.254
7.248
7.236
6.684
6.682
6.603
6.582
5.517
5.129
5.013
5.006
4.976
4.973
3.756
3.378
3.374
3.365
3.363
3.358
3.355
ppm


SY1020130
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 31 2013
Solvent: CDCl3
Ambient temperature
Total 640 repetitions
OMe
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146.716
145.776
145.117
136.225
134.466
129.077
128.713
128.031
122.868
120.632
115.614
111.089
110.322
77.318
77.000
76.682
66.175
56.184
54.130
28.591
ppm

X-ray crystal data of compound 2b

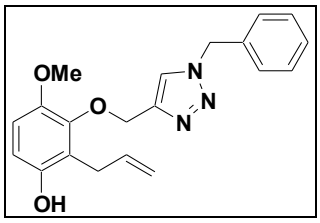

Table 1. Crystal data and structure refinement for mo_140319lt_0m_a.

Identification code	mo_140319lt_0m_a	
Empirical formula	C20 H21 N3 O3	
Formula weight	351.40	
Temperature	100(2) K	
Wavelength	0.71073 Å	
Crystal system	Monoclinic	
Space group	C 2/c	
Unit cell dimensions	a = 30.00(4) Å	α= 90°.
	b = 6.608(8) Å	β= 91.67(2)°.
	c = 18.39(2) Å	γ = 90°.
Volume	3643(8) Å^3	
Z	8	
Density (calculated)	1.281 Mg/m^3	
Absorption coefficient	0.088 mm^{-1}	
F(000)	1488	
Crystal size	0.15 x 0.05 x 0.05 mm^3	
Theta range for data collection	1.358 to 27.376°.	
Index ranges	-37<=h<=38, -8<=k<=8, -22<=l<=23	
Reflections collected	15674	
Independent reflections	3955 [R(int) = 0.2217]	
Completeness to theta = 25.242°	100.0 %	
Absorption correction	Semi-empirical from equivalents	
Max. and min. transmission	0.9485 and 0.4774	
Refinement method	Full-matrix least-squares on F^2	
Data / restraints / parameters	3955 / 0 / 238	
Goodness-of-fit on F^2	0.965	
Final R indices [I>2sigma(I)]	R1 = 0.1200, wR2 = 0.2820	
R indices (all data)	R1 = 0.2467, wR2 = 0.3585	
Extinction coefficient	0.024(3)	
Largest diff. peak and hole	0.579 and -0.411 e.Å^{-3}	

Table 2. Atomic coordinates (x 10^4) and equivalent isotropic displacement parameters (Å ^{2}x 10^3) for mo_140319lt_0m_a. U(eq) is defined as one third of the trace of the orthogonalized U^{ij} tensor.

	x	y	z	U(eq)
C(1)	2165(2)	-1270(11)	8359(3)	44(2)
C(2)	2292(2)	-2383(11)	7748(3)	42(2)
C(3)	2041(2)	-2236(10)	7088(3)	40(2)
C(4)	1668(2)	-989(11)	7044(3)	45(2)
C(5)	1527(2)	118(11)	7661(3)	44(2)
C(6)	1781(2)	-36(11)	8307(3)	44(2)
C(7)	2756(2)	-2641(11)	9102(3)	45(2)
C(8)	1100(2)	1374(13)	7612(4)	56(2)
C(9)	1150(2)	3532(14)	7413(3)	60(2)
C(10)	933(3)	5101(14)	7701(5)	73(3)
C(11)	1909(2)	2637(11)	9178(3)	54(2)
C(12)	1624(2)	4028(12)	9602(3)	45(2)
C(13)	1447(2)	5842(12)	9402(3)	49(2)
C(14)	957(2)	8411(11)	10061(3)	49(2)
C(15)	542(2)	8426(13)	9558(3)	51(2)
C(16)	294(2)	6625(12)	9419(3)	52(2)
C(17)	-84(2)	6732(16)	8971(4)	73(3)
C(18)	-210(3)	8533(17)	8666(4)	79(3)
C(19)	31(3)	10301(17)	8783(4)	84(3)
C(20)	410(2)	10240(12)	9237(3)	55(2)
N(1)	1500(2)	3608(10)	10307(2)	55(2)
N(2)	1247(2)	5177(10)	10531(2)	54(2)
N(3)	1219(2)	6518(10)	9988(2)	49(2)
O(1)	2381(1)	-1325(7)	9032(2)	47(1)
O(2)	1627(1)	967(8)	8919(2)	51(1)
O(3)	1413(1)	-797(8)	6409(2)	52(1)

Table 3. Bond lengths [Å] and angles [°] for mo_140319lt_0m_a.

C(1)-O(1)	1.380(6)
C(1)-C(2)	1.406(8)
C(1)-C(6)	1.412(9)
C(2)-C(3)	1.412(7)
C(2)-H(2)	0.9500
C(3)-C(4)	1.388(8)
C(3)-H(3A)	0.9500
C(4)-O(3)	1.385(6)
C(4)-C(5)	1.425(9)
C(5)-C(6)	1.395(7)
C(5)-C(8)	1.528(9)
C(6)-O(2)	1.395(7)
C(7)-O(1)	1.424(7)
C(7)-H(7A)	0.9800
C(7)-H(7B)	0.9800
C(7)-H(7C)	0.9800
C(8)-C(9)	1.481(10)
C(8)-H(8A)	0.9900
C(8)-H(8B)	0.9900
C(9)-C(10)	1.341(11)
C(9)-H(9)	0.9500
C(10)-H(10A)	0.9500
C(10)-H(10B)	0.9500
C(11)-O(2)	1.462(8)
C(11)-C(12)	1.492(9)
C(11)-H(11A)	0.9900
C(11)-H(11B)	0.9900
C(12)-C(13)	1.357(10)
C(12)-N(1)	1.387(7)
C(13)-N(3)	1.369(7)
C(13)-H(13)	0.9500
C(14)-N(3)	1.486(9)
C(14)-C(15)	1.530(8)
C(14)-H(14A)	0.9900
C(14)-H(14B)	0.9900
C(15)-C(20)	1.388(10)
C(15)-C(16)	1.422(10)

C(16)-C(17)	1.384(9)
C(16)-H(16)	0.9500
C(17)-C(18)	1.365(12)
C(17)-H(17)	0.9500
C(18)-C(19)	1.387(13)
C(18)-H(18)	0.9500
C(19)-C(20)	1.391(11)
C(19)-H(19)	0.9500
C(20)-H(20)	0.9500
N(1)-N(2)	1.356(8)
N(2)-N(3)	1.336(7)
O(3)-H(3)	0.8400

O(1)-C(1)-C(2)	124.8(5)
O(1)-C(1)-C(6)	116.0(5)
C(2)-C(1)-C(6)	119.1(5)
C(1)-C(2)-C(3)	120.0(6)
C(1)-C(2)-H(2)	120.0
C(3)-C(2)-H(2)	120.0
C(4)-C(3)-C(2)	120.0(5)
C(4)-C(3)-H(3A)	120.0
C(2)-C(3)-H(3A)	120.0
O(3)-C(4)-C(3)	121.9(5)
O(3)-C(4)-C(5)	117.0(5)
C(3)-C(4)-C(5)	121.0(5)
C(6)-C(5)-C(4)	118.2(5)
C(6)-C(5)-C(8)	121.7(6)
C(4)-C(5)-C(8)	120.1(5)
C(5)-C(6)-O(2)	117.9(5)
C(5)-C(6)-C(1)	121.6(5)
O(2)-C(6)-C(1)	120.4(5)
O(1)-C(7)-H(7A)	109.5
O(1)-C(7)-H(7B)	109.5
H(7A)-C(7)-H(7B)	109.5
O(1)-C(7)-H(7C)	109.5
H(7A)-C(7)-H(7C)	109.5
H(7B)-C(7)-H(7C)	109.5
C(9)-C(8)-C(5)	116.5(6)
C(9)-C(8)-H(8A)	108.2

C(5)-C(8)-H(8A)	108.2
C(9)-C(8)-H(8B)	108.2
C(5)-C(8)-H(8B)	108.2
H(8A)-C(8)-H(8B)	107.3
C(10)-C(9)-C(8)	126.4(7)
C(10)-C(9)-H(9)	116.8
C(8)-C(9)-H(9)	116.8
C(9)-C(10)-H(10A)	120.0
C(9)-C(10)-H(10B)	120.0
H(10A)-C(10)-H(10B)	120.0
O(2)-C(11)-C(12)	107.5(5)
O(2)-C(11)-H(11A)	110.2
C(12)-C(11)-H(11A)	110.2
O(2)-C(11)-H(11B)	110.2
C(12)-C(11)-H(11B)	110.2
H(11A)-C(11)-H(11B)	108.5
C(13)-C(12)-N(1)	108.5(6)
C(13)-C(12)-C(11)	128.9(5)
N(1)-C(12)-C(11)	122.6(7)
C(12)-C(13)-N(3)	105.9(5)
C(12)-C(13)-H(13)	127.0
N(3)-C(13)-H(13)	127.0
N(3)-C(14)-C(15)	112.0(5)
N(3)-C(14)-H(14A)	109.2
C(15)-C(14)-H(14A)	109.2
N(3)-C(14)-H(14B)	109.2
C(15)-C(14)-H(14B)	109.2
H(14A)-C(14)-H(14B)	107.9
C(20)-C(15)-C(16)	120.4(6)
C(20)-C(15)-C(14)	118.6(7)
C(16)-C(15)-C(14)	120.9(7)
C(17)-C(16)-C(15)	118.5(8)
C(17)-C(16)-H(16)	120.7
C(15)-C(16)-H(16)	120.7
C(18)-C(17)-C(16)	120.2(9)
C(18)-C(17)-H(17)	119.9
C(16)-C(17)-H(17)	119.9
C(17)-C(18)-C(19)	122.2(8)
C(17)-C(18)-H(18)	118.9

C(19)-C(18)-H(18)	118.9
C(18)-C(19)-C(20)	118.8(8)
C(18)-C(19)-H(19)	120.6
C(20)-C(19)-H(19)	120.6
C(15)-C(20)-C(19)	119.8(8)
C(15)-C(20)-H(20)	120.1
C(19)-C(20)-H(20)	120.1
N(2)-N(1)-C(12)	107.4(6)
N(3)-N(2)-N(1)	107.7(5)
N(2)-N(3)-C(13)	110.5(6)
N(2)-N(3)-C(14)	120.9(5)
C(13)-N(3)-C(14)	128.6(5)
C(1)-O(1)-C(7)	116.5(4)
C(6)-O(2)-C(11)	114.8(4)
C(4)-O(3)-H(3)	109.5

Symmetry transformations used to generate equivalent atoms:

Table 4. Anisotropic displacement parameters ($Å^2 x 10^3$) for mo_140319lt_0m_a. The anisotropic displacement factor exponent takes the form: $-2\pi^2[h^2 a^{*2} U^{11} + ... + 2 h k a^* b^* U^{12}]$

	U^{11}	U^{22}	U^{33}	U^{23}	U^{13}	U^{12}
C(1)	24(3)	88(6)	18(2)	-1(3)	-5(2)	-2(3)
C(2)	17(3)	92(6)	18(2)	3(3)	-3(2)	-4(3)
C(3)	20(3)	79(5)	22(2)	1(3)	-7(2)	2(3)
C(4)	24(3)	88(6)	23(3)	0(3)	-13(2)	-1(3)
C(5)	16(3)	76(5)	41(3)	5(3)	-8(2)	-4(3)
C(6)	22(3)	89(6)	22(3)	-7(3)	-1(2)	-5(3)
C(7)	24(3)	86(6)	24(3)	0(3)	-8(2)	6(3)
C(8)	16(3)	97(7)	53(4)	6(4)	-13(3)	5(4)
C(9)	38(4)	102(7)	39(3)	14(4)	7(3)	15(5)
C(10)	40(4)	94(7)	85(6)	3(5)	-15(4)	-1(5)
C(11)	29(3)	93(6)	39(3)	-10(3)	-3(3)	-1(4)
C(12)	25(3)	85(6)	25(3)	-6(3)	-7(2)	-7(4)
C(13)	26(3)	101(6)	20(3)	2(3)	1(2)	-5(4)
C(14)	40(4)	71(5)	36(3)	-10(3)	-4(3)	-7(4)
C(15)	33(3)	96(6)	25(3)	-3(3)	6(3)	8(4)
C(16)	38(4)	78(6)	39(3)	-5(3)	-7(3)	2(4)
C(17)	25(3)	137(9)	56(4)	-7(5)	-11(3)	7(4)
C(18)	39(4)	139(10)	59(5)	23(5)	-9(4)	22(6)
C(19)	45(5)	136(10)	70(5)	34(5)	13(4)	21(6)
C(20)	41(4)	75(6)	51(4)	6(4)	11(3)	16(4)
N(1)	29(3)	110(6)	26(2)	8(3)	-12(2)	-1(3)
N(2)	36(3)	102(5)	24(2)	2(3)	-5(2)	-4(3)
N(3)	29(3)	102(5)	17(2)	5(3)	-7(2)	-2(3)
O(1)	23(2)	99(4)	18(2)	-1(2)	-6(2)	3(2)
O(2)	23(2)	92(4)	39(2)	-6(2)	1(2)	-10(2)
O(3)	29(2)	91(4)	34(2)	-2(2)	-20(2)	3(2)

Table 5. Hydrogen coordinates (x 10^4) and isotropic displacement parameters (Å ^{2}x 10^{-3}) for mo_140319lt_0m_a.

	x	y	z	U(eq)
H(2)	2547	-3234	7778	51
H(3A)	2127	-2989	6675	48
H(7A)	2660	-4038	9012	67
H(7B)	2887	-2533	9595	67
H(7C)	2979	-2256	8748	67
H(8A)	894	732	7250	67
H(8B)	956	1309	8089	67
H(9)	1355	3833	7045	71
H(10A)	724	4878	8070	88
H(10B)	989	6437	7535	88
H(11A)	2036	3364	8760	64
H(11B)	2158	2116	9489	64
H(13)	1476	6505	8947	59
H(14A)	1147	9583	9944	59
H(14B)	865	8556	10571	59
H(16)	387	5375	9630	62
H(17)	-256	5549	8875	87
H(18)	-472	8578	8363	95
H(19)	-61	11531	8558	100
H(20)	578	11437	9327	66
H(3)	1501	-1629	6099	78