Supporting Information

Synthesis of Benzisoxazolines by the Coupling of Arynes with Nitrones

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larock@iastate.edu

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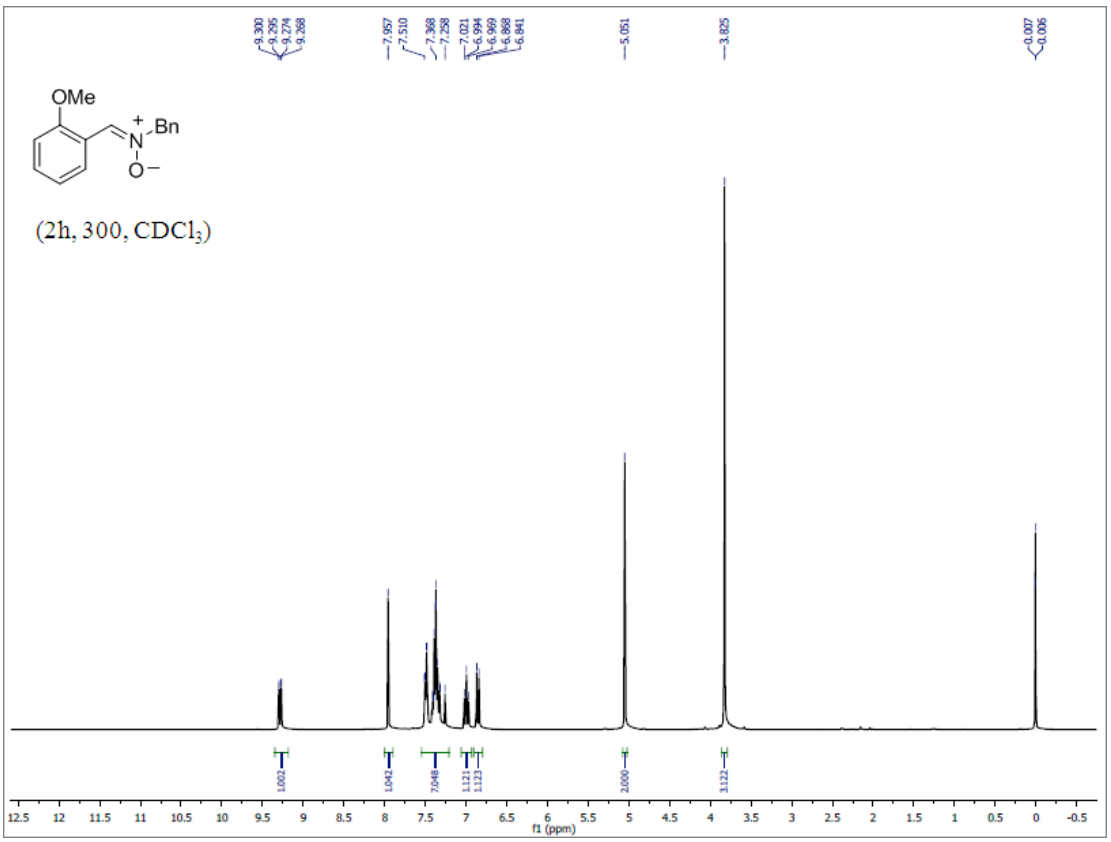
Copies of ^{1}H and ^{13}C NMR spectra S2-S32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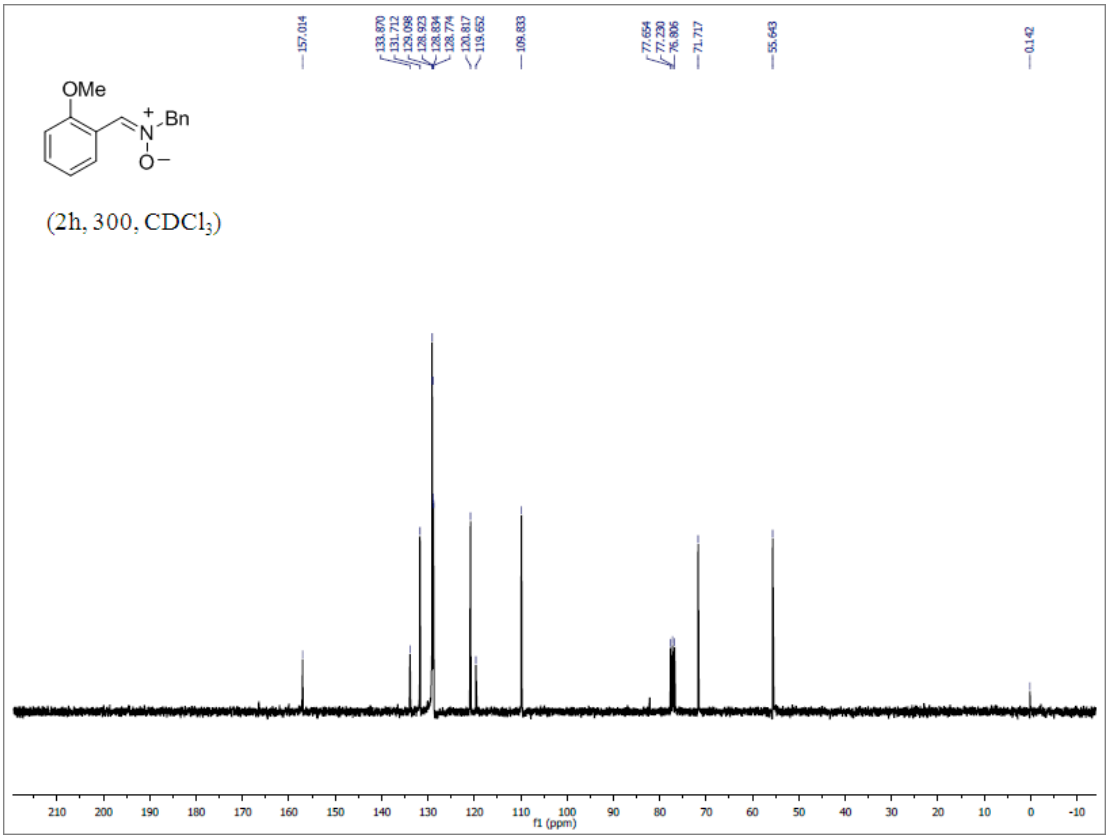
f1 (ppm)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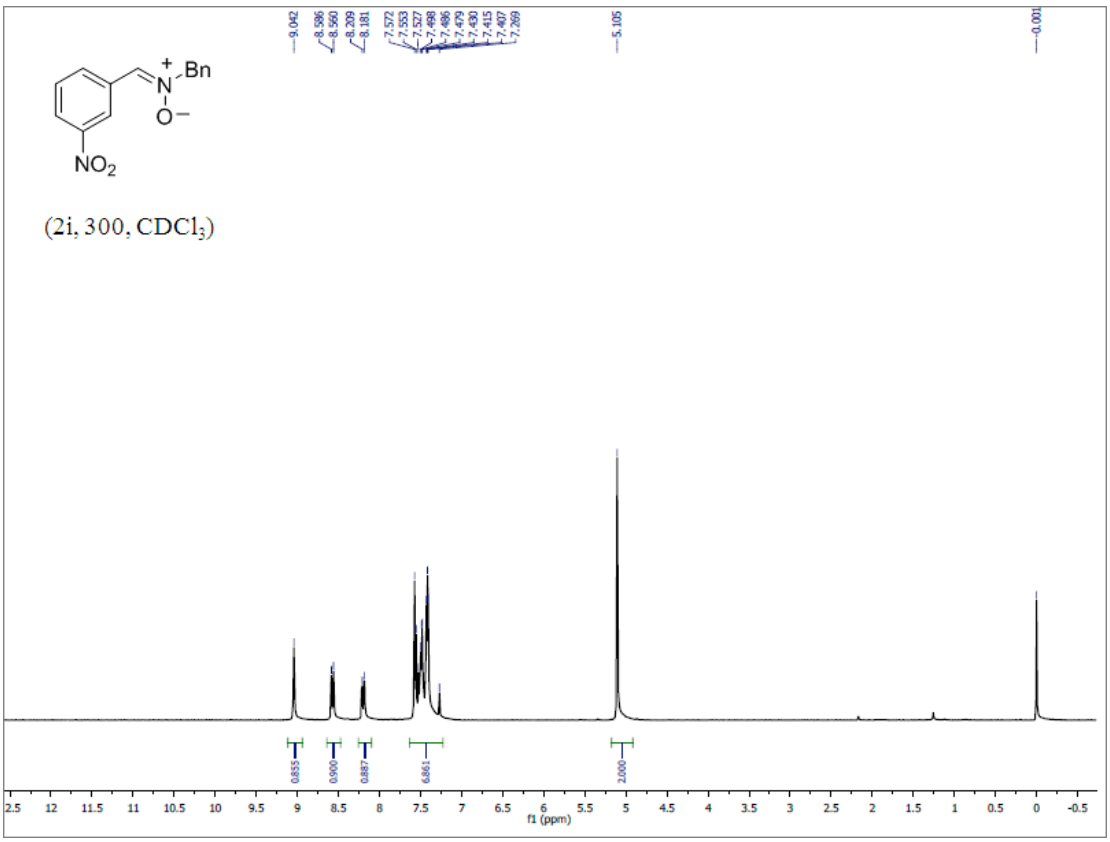
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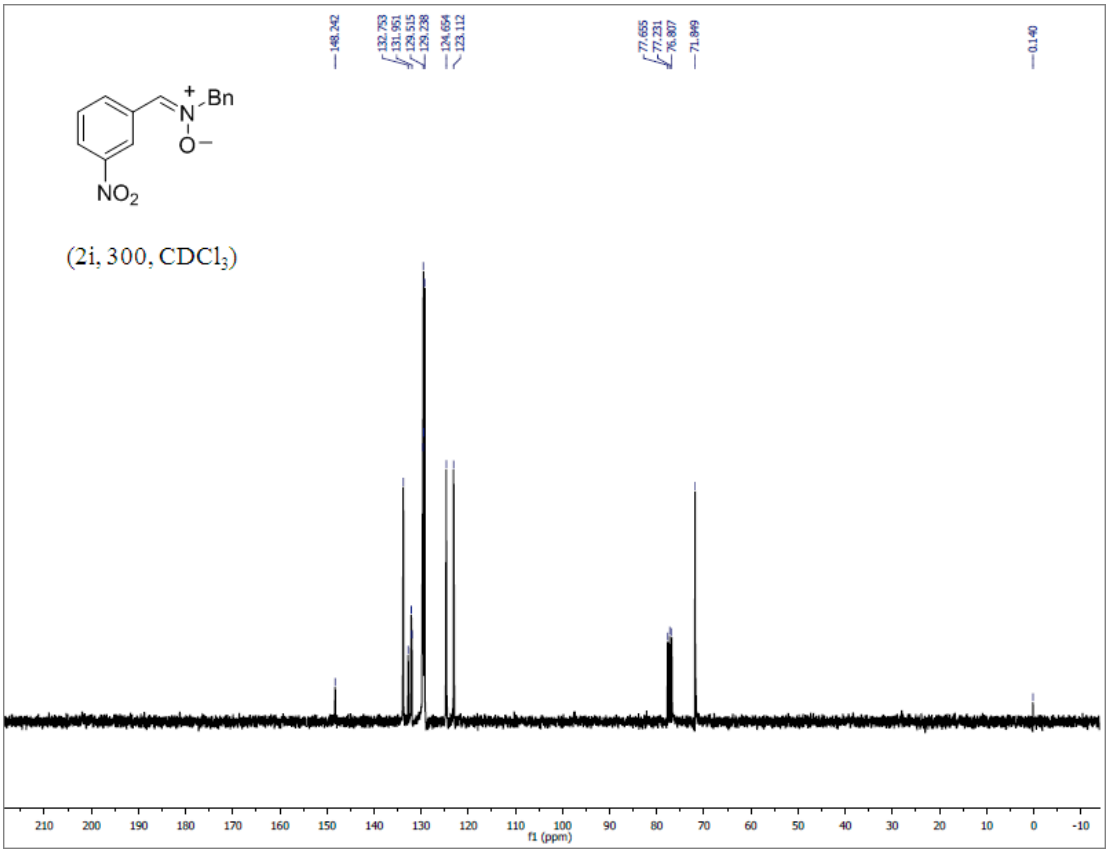
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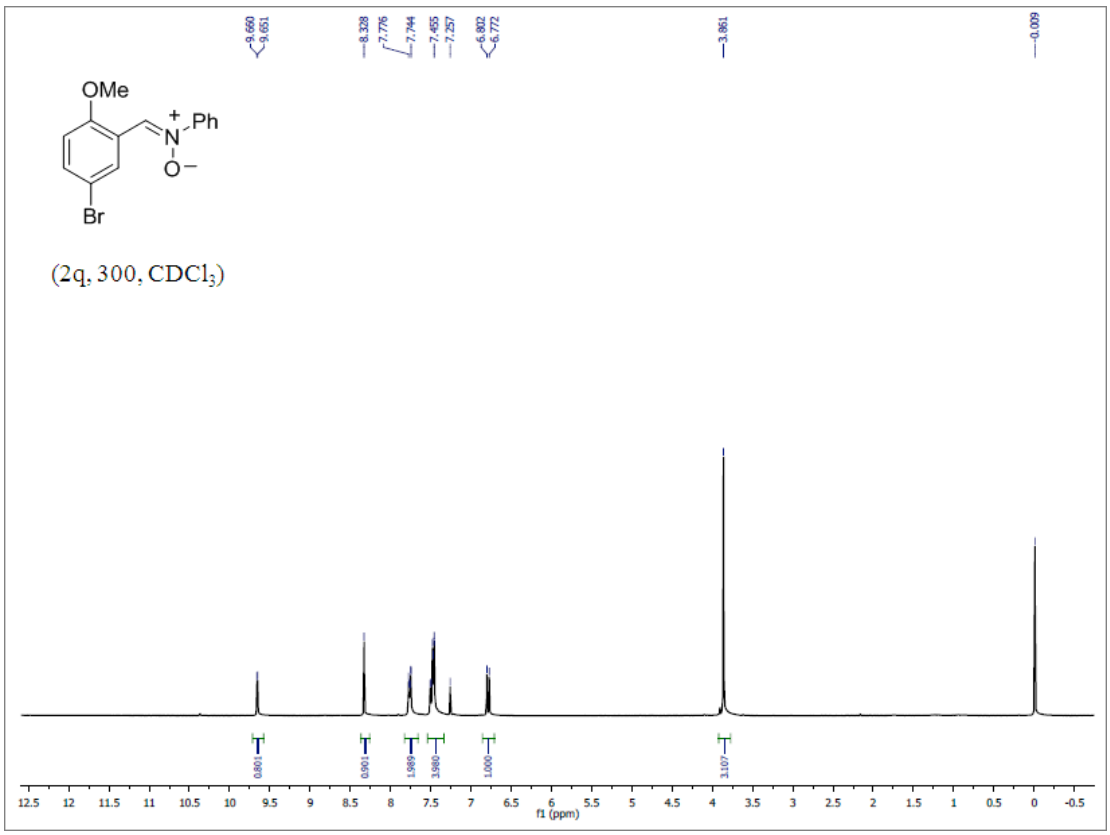
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7.257
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0.801
0.901
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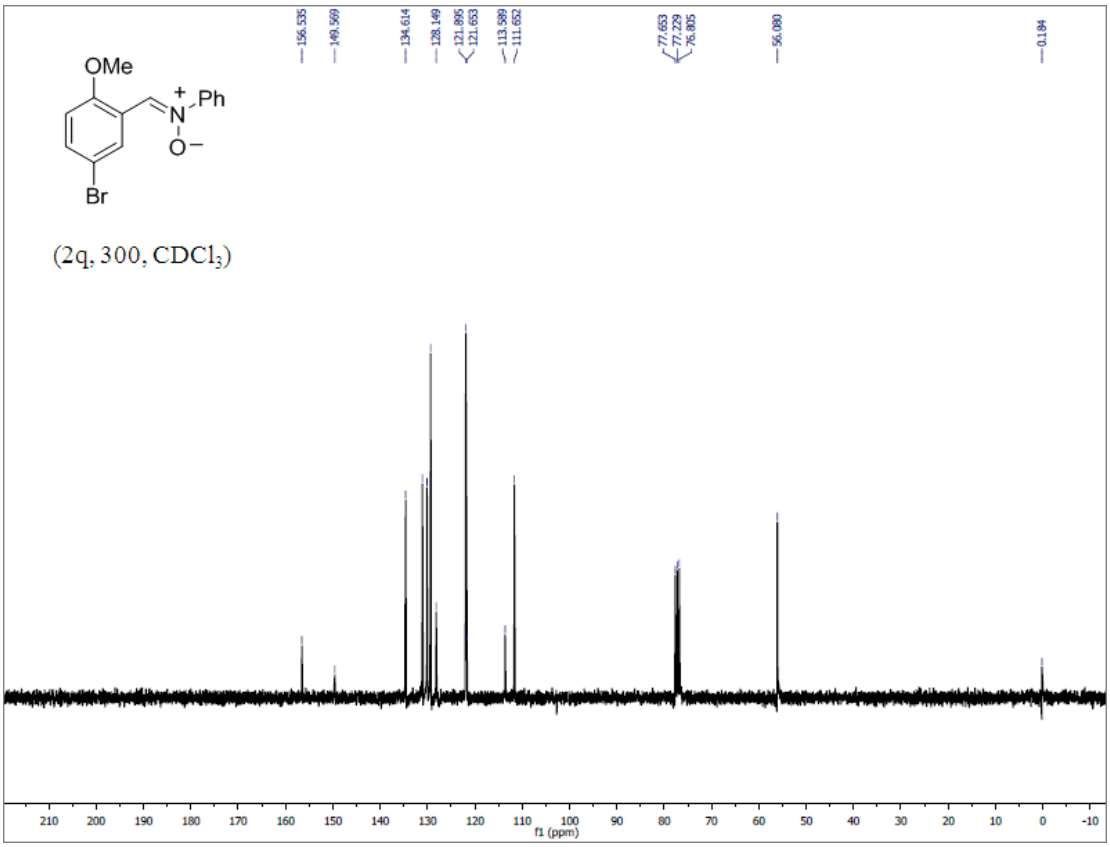
3.980
1.000
3.107
f1 (ppm)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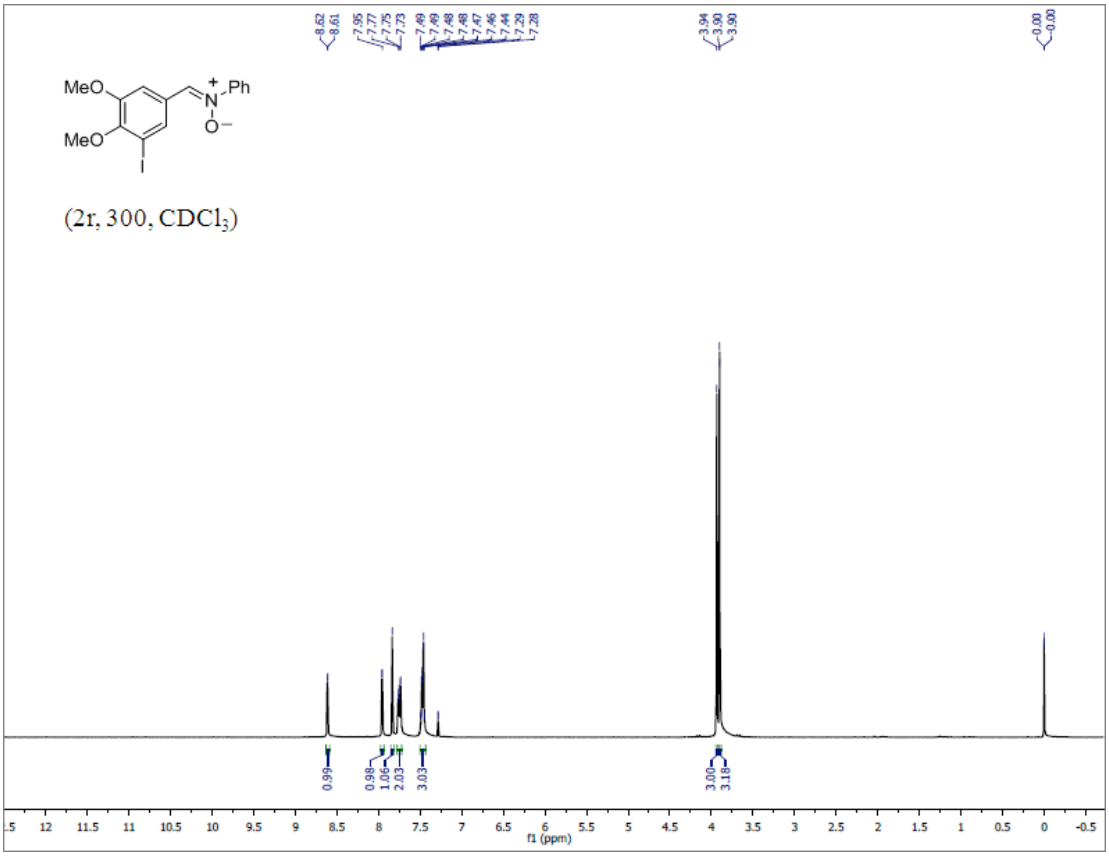
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MeO
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Ph
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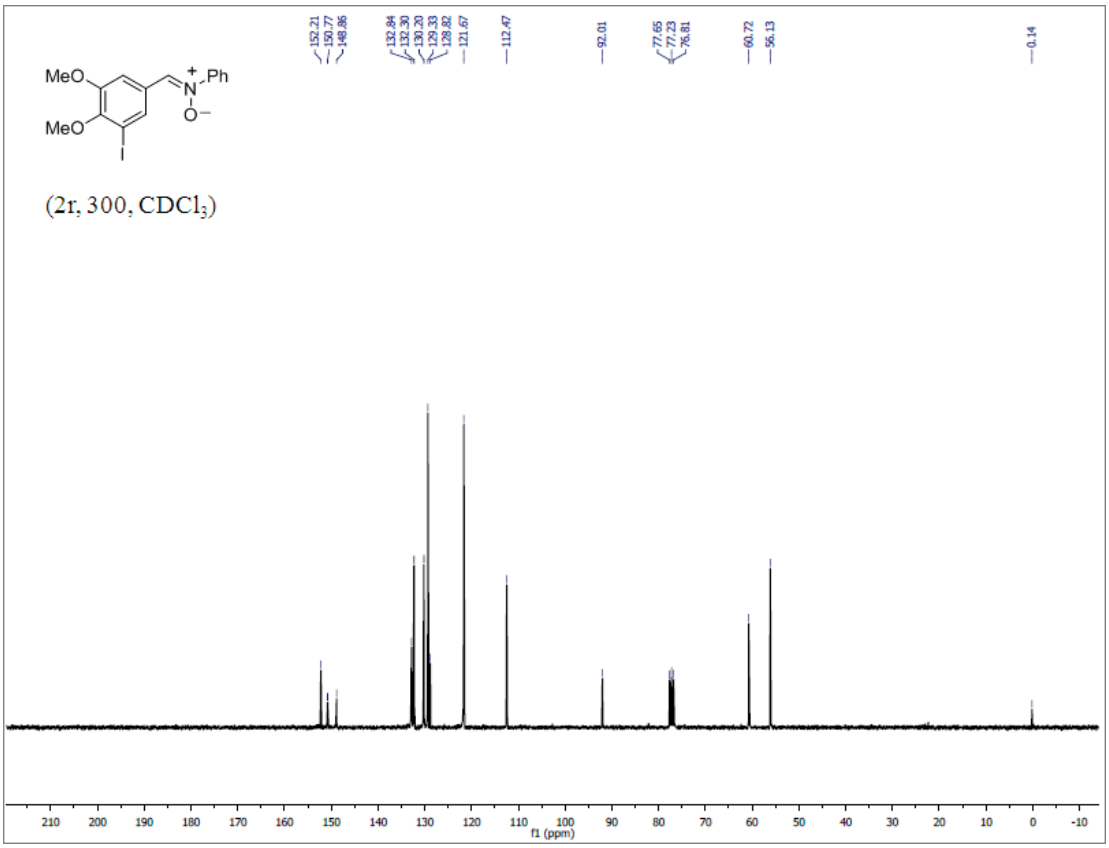
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MeO
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Ph
O
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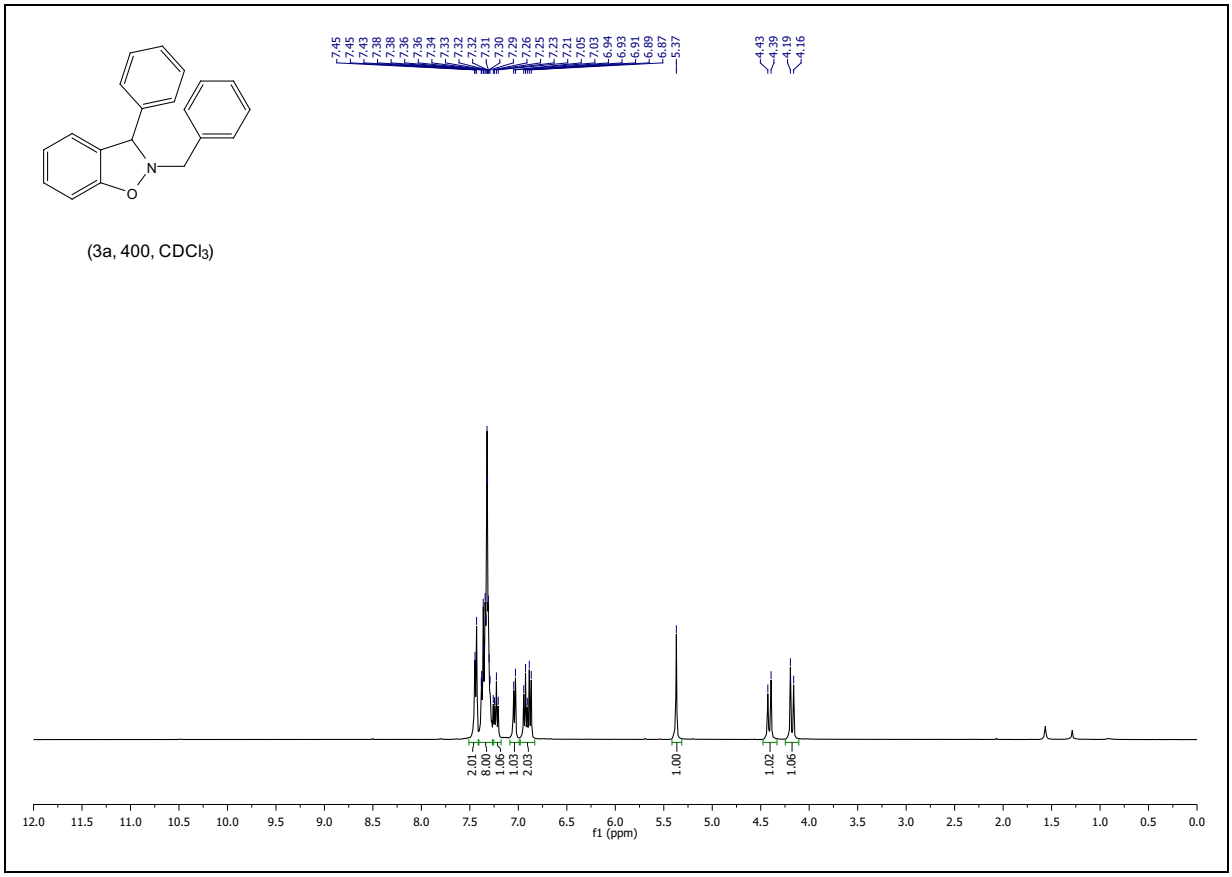
f1 (ppm)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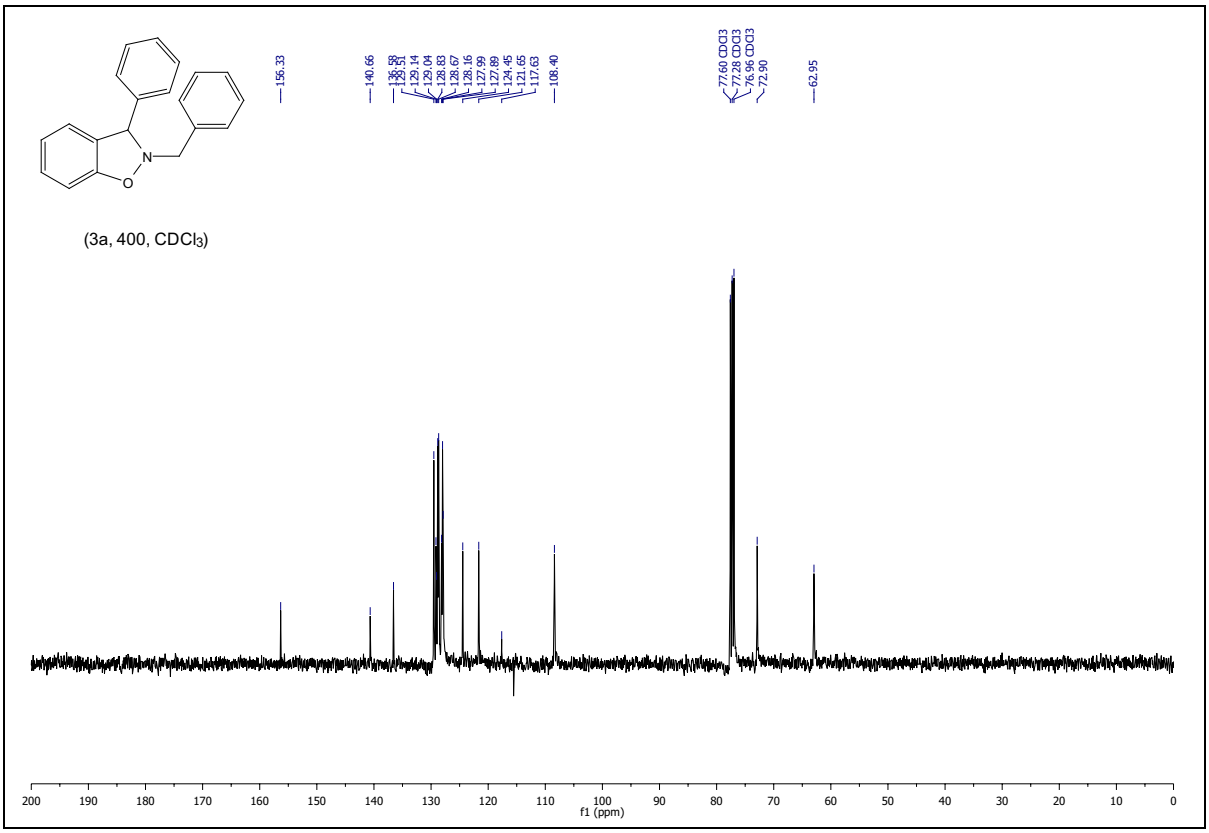
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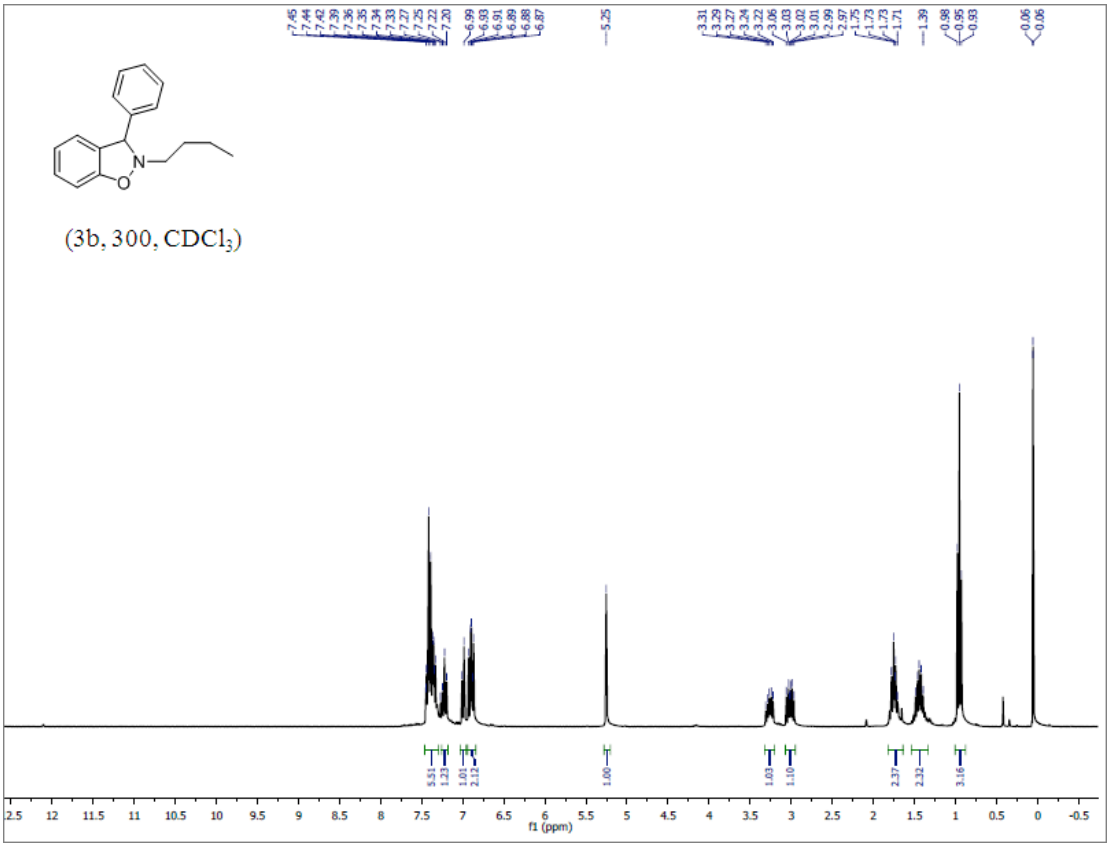
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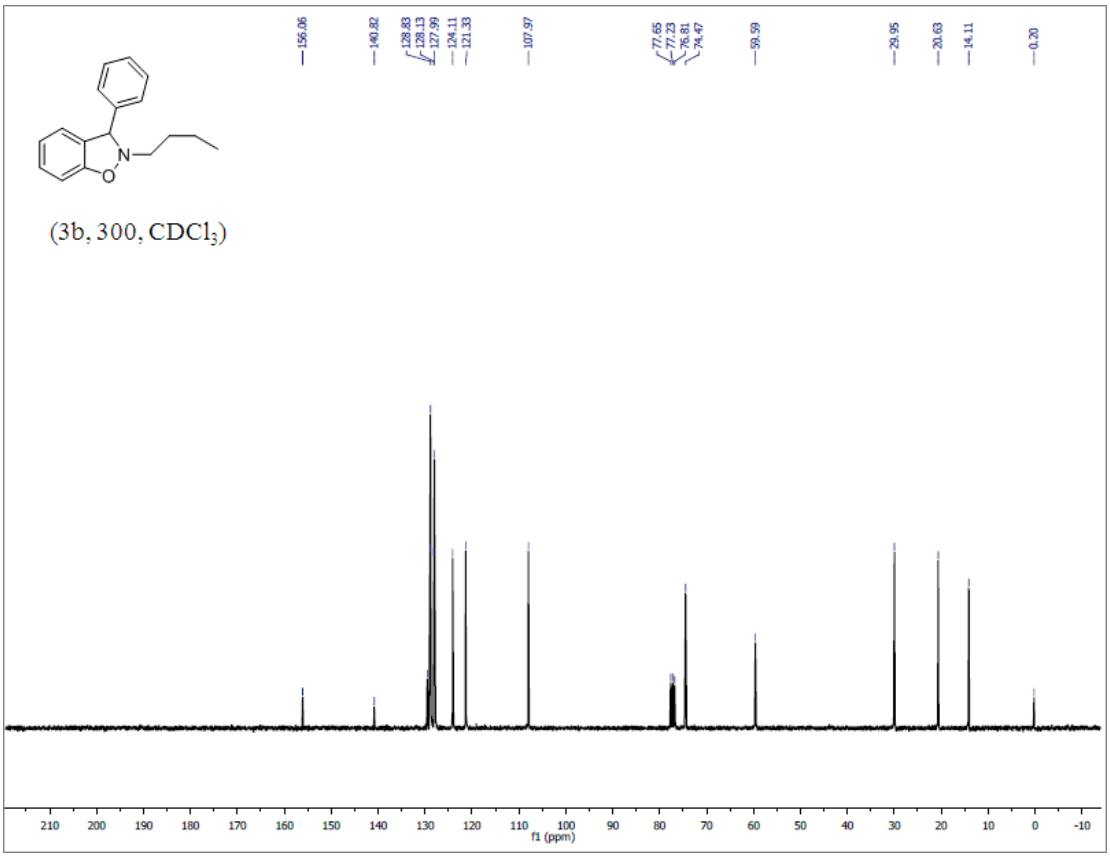
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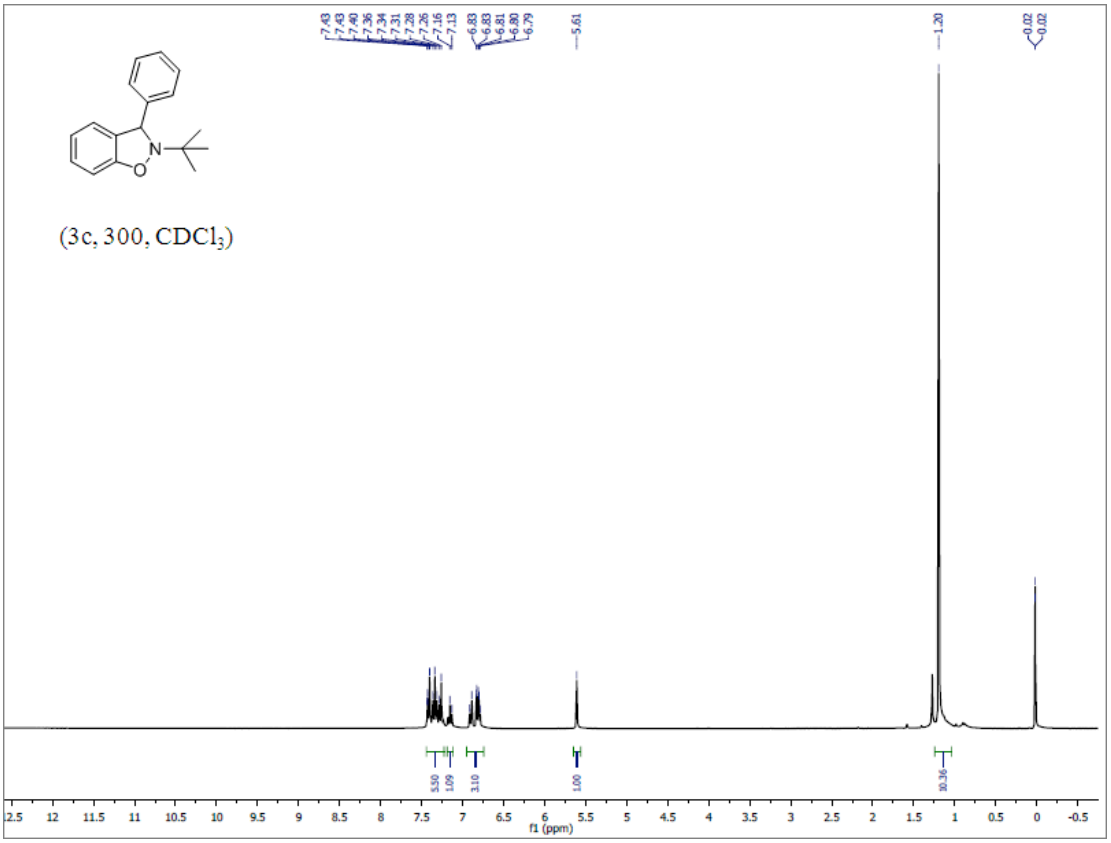
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7.43
7.40
7.36
7.34
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7.28
7.25
7.16
7.13
6.83
6.83
6.81
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0.02
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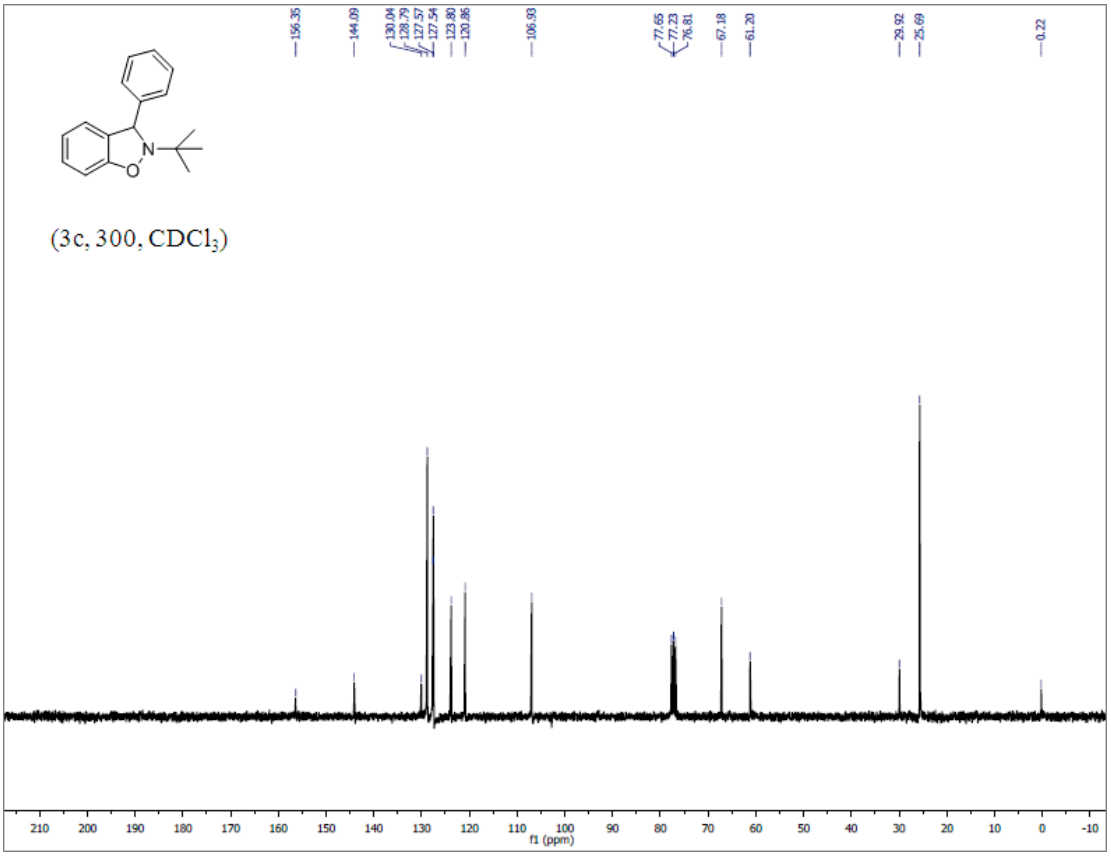
1.00
10.36
f1 (ppm)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77.65
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67.18
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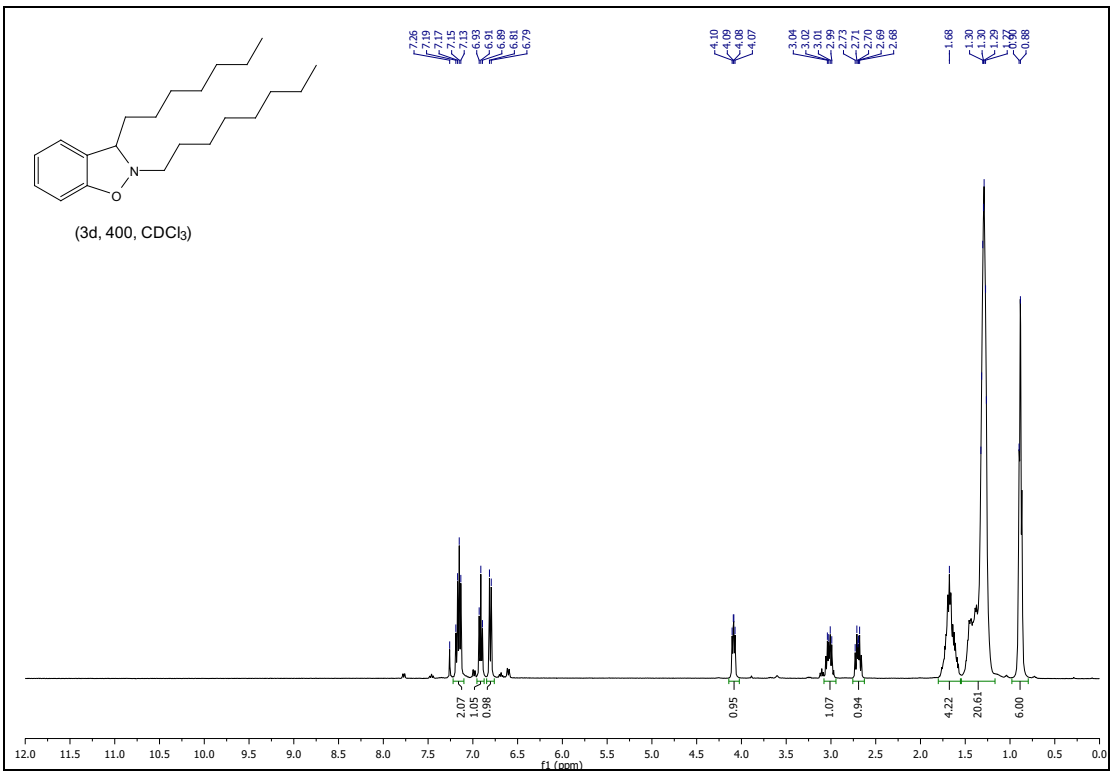
29.92
25.69
0.22
f1 (ppm)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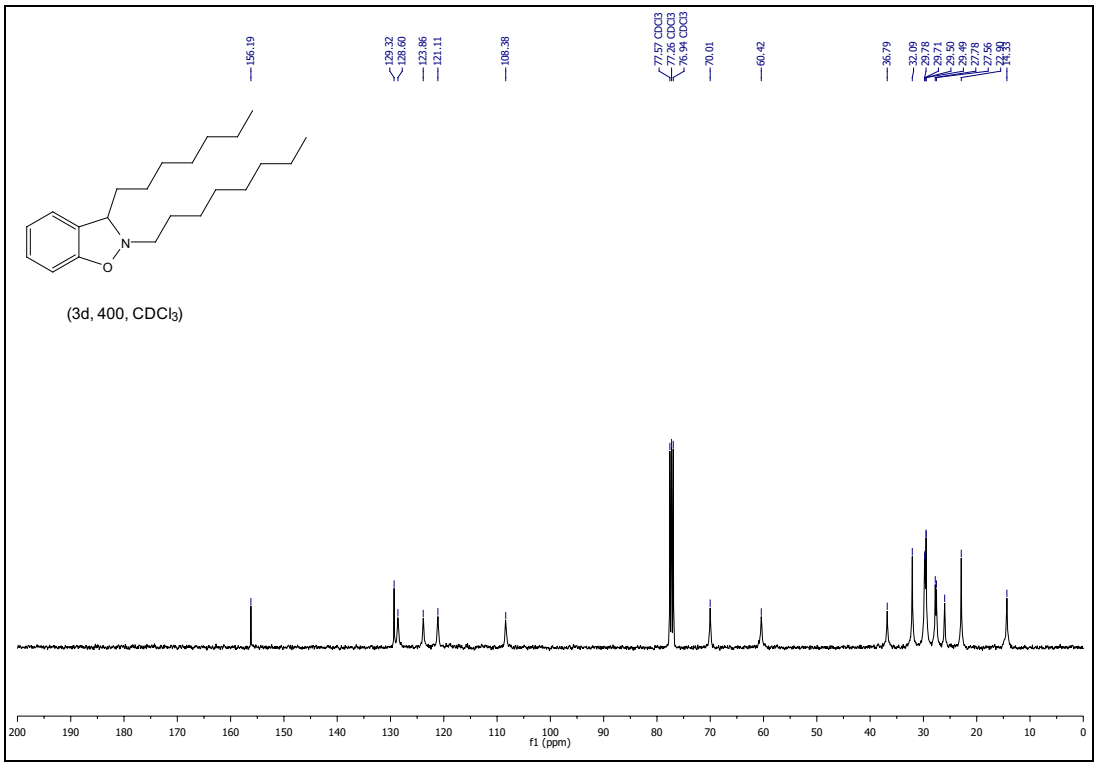
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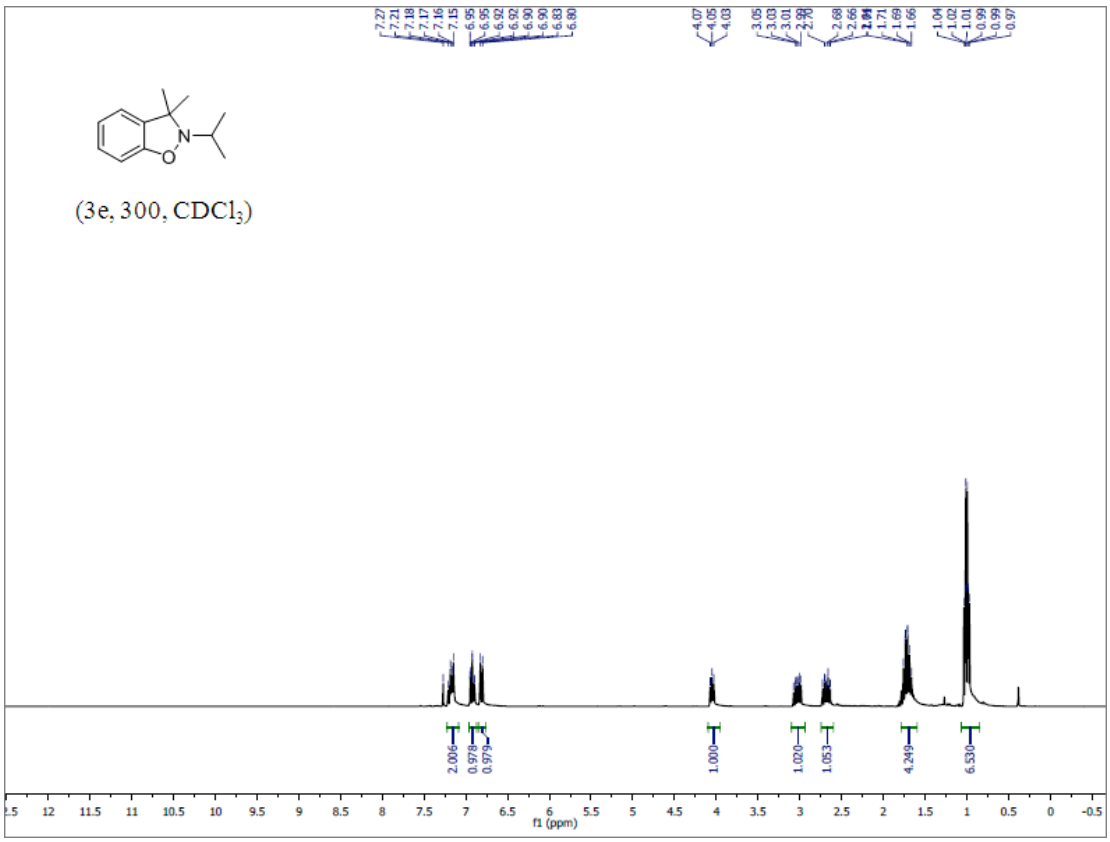
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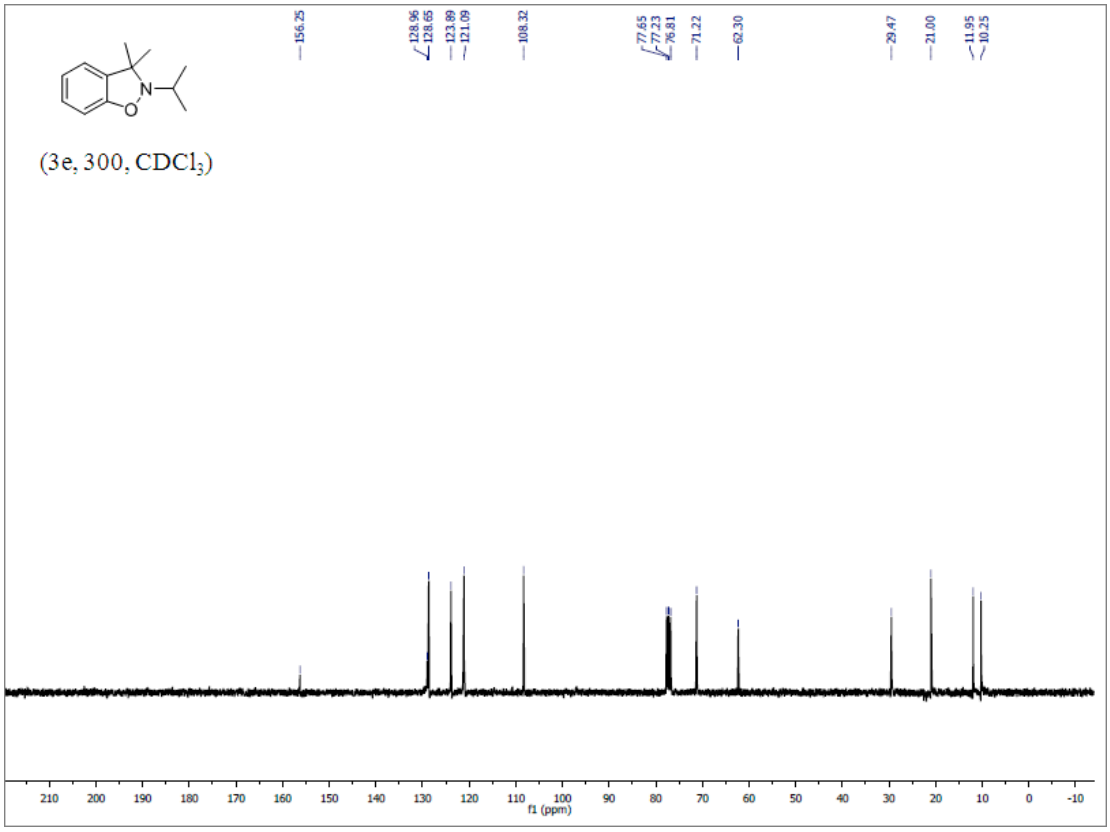
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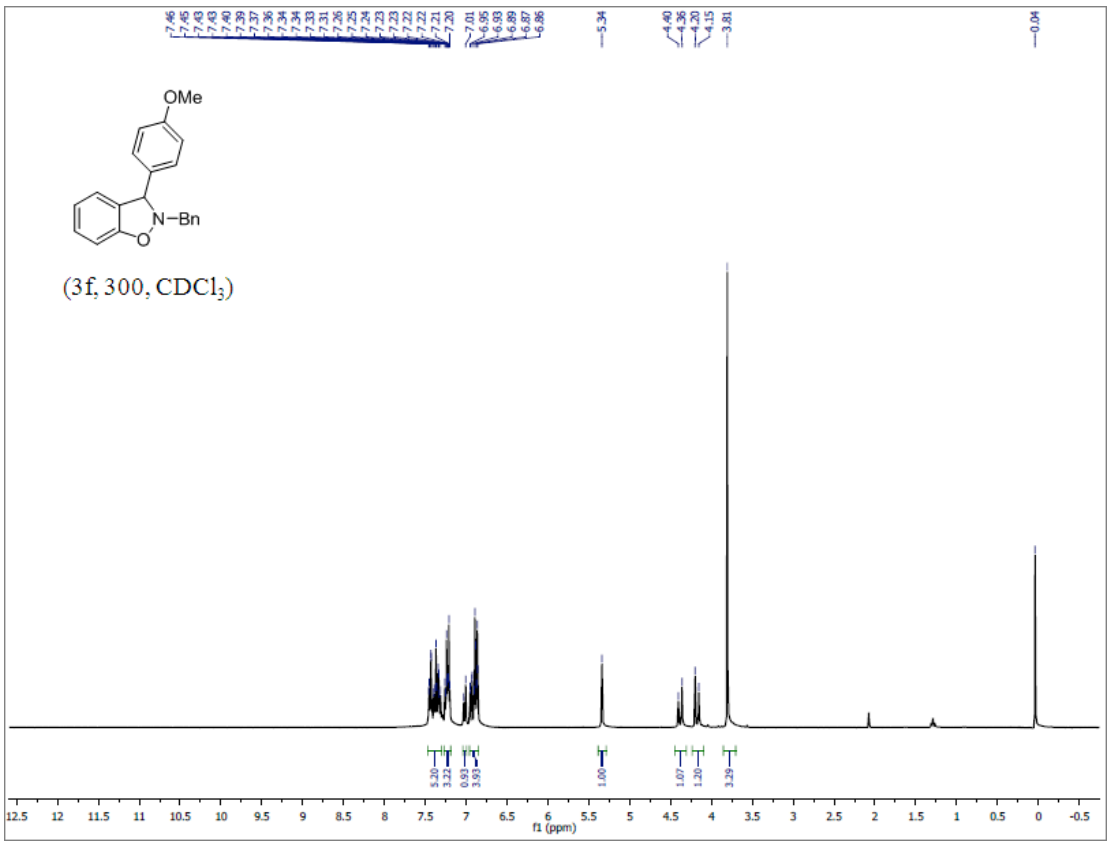
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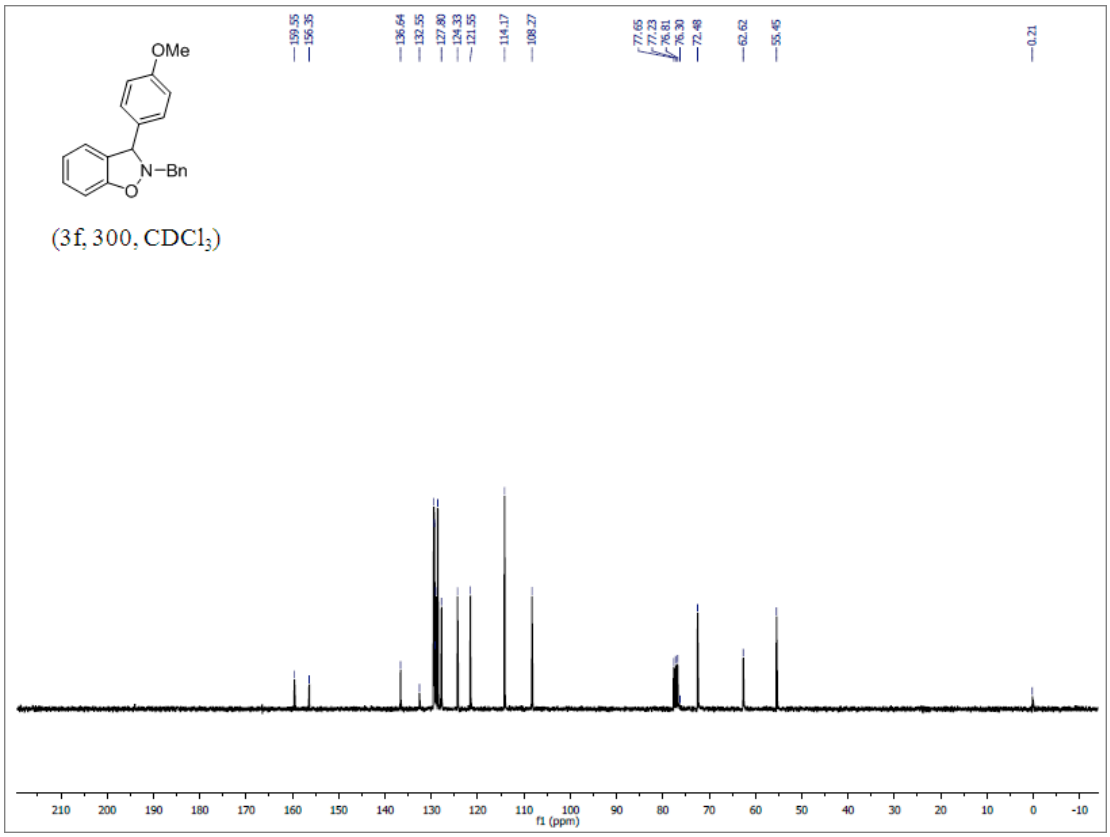
N–Bn
O
(3f, 300, CDCl3)
f1 (ppm)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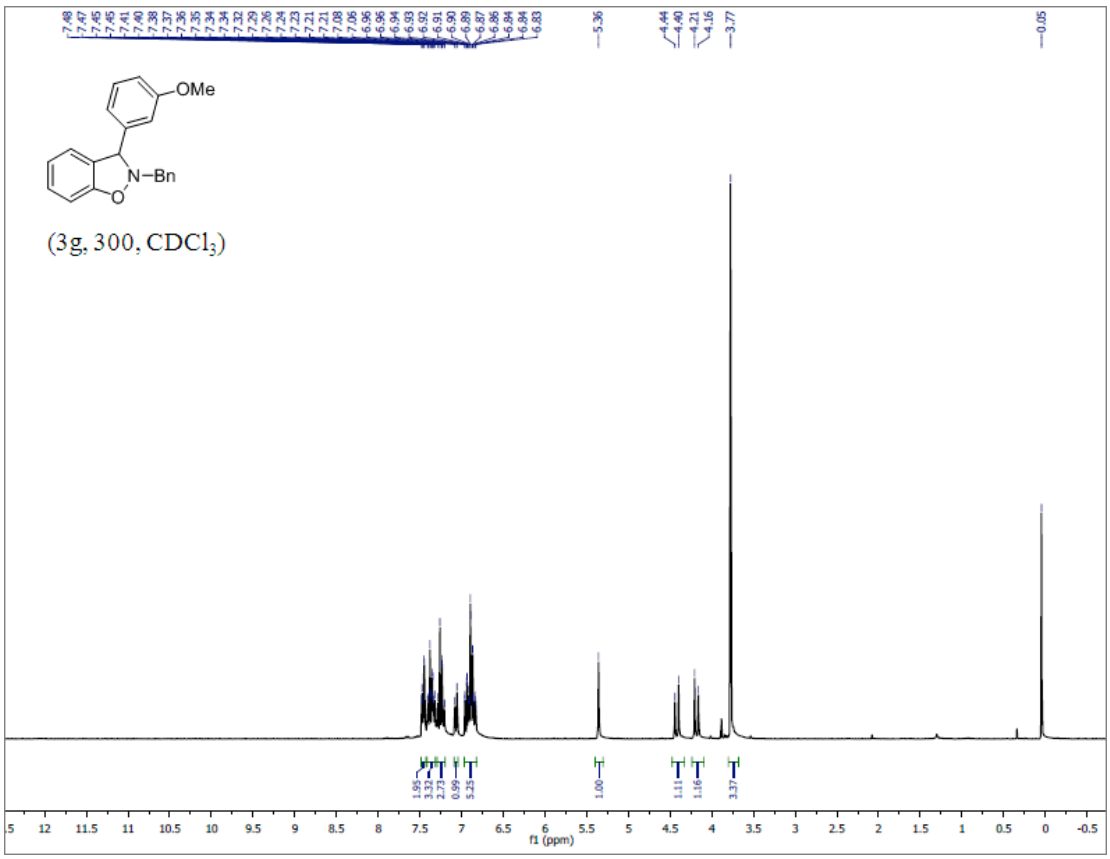
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O
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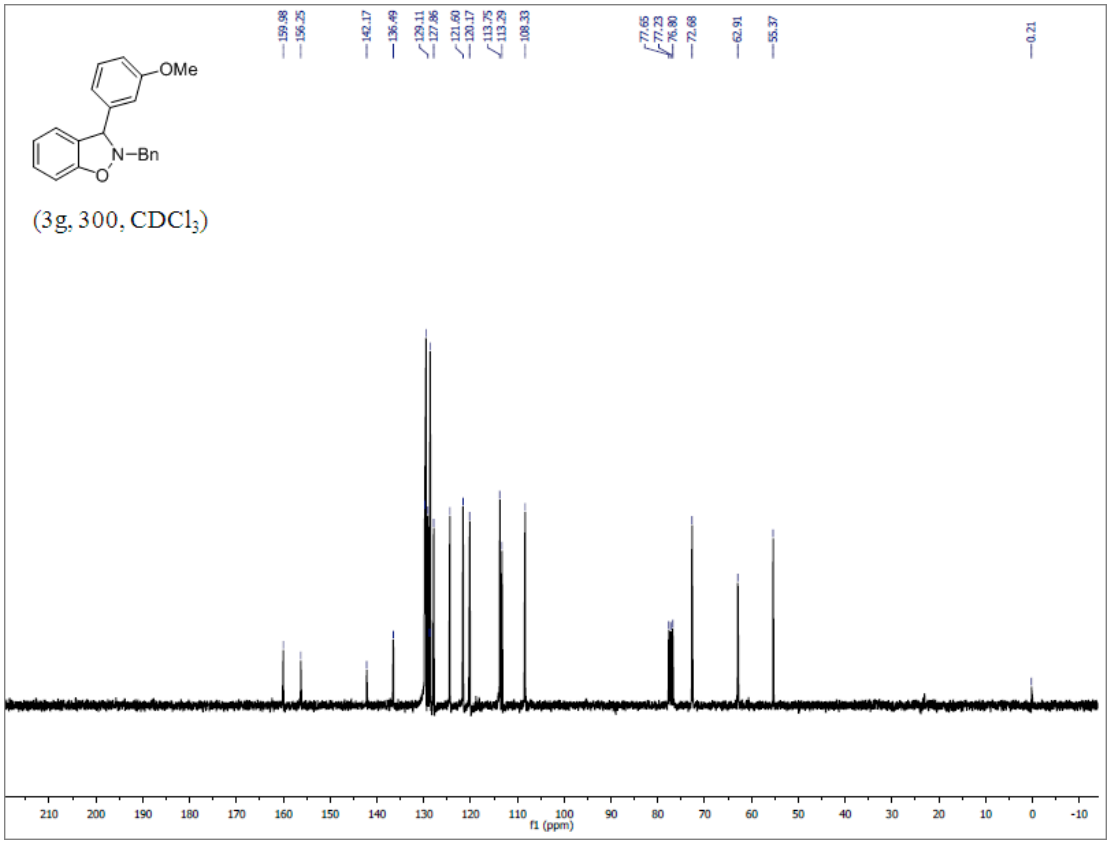
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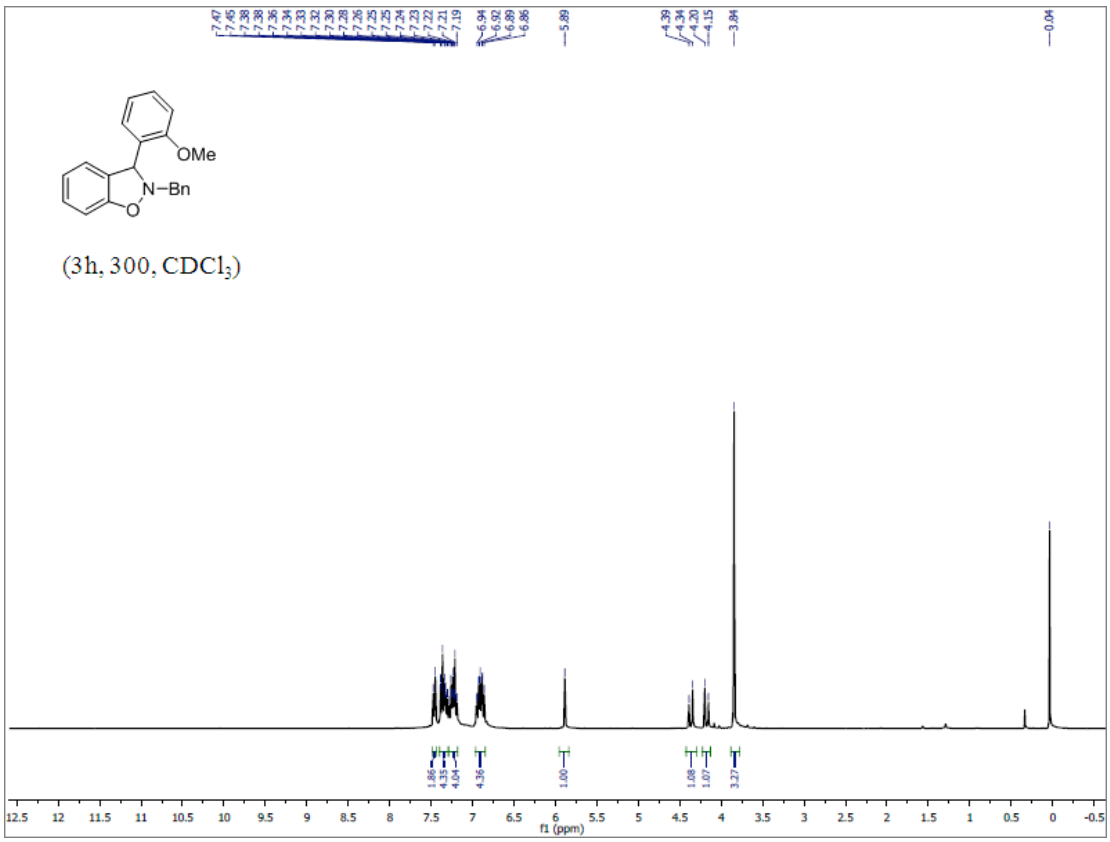
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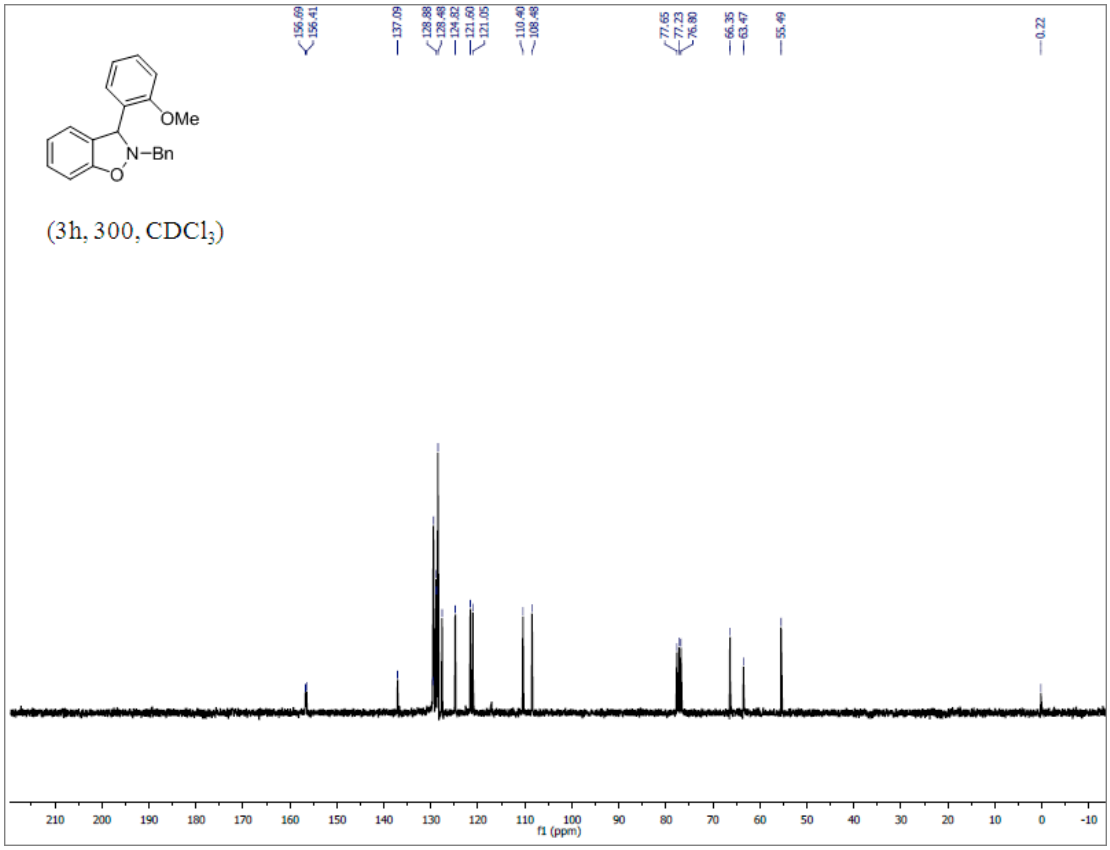
f1 (ppm)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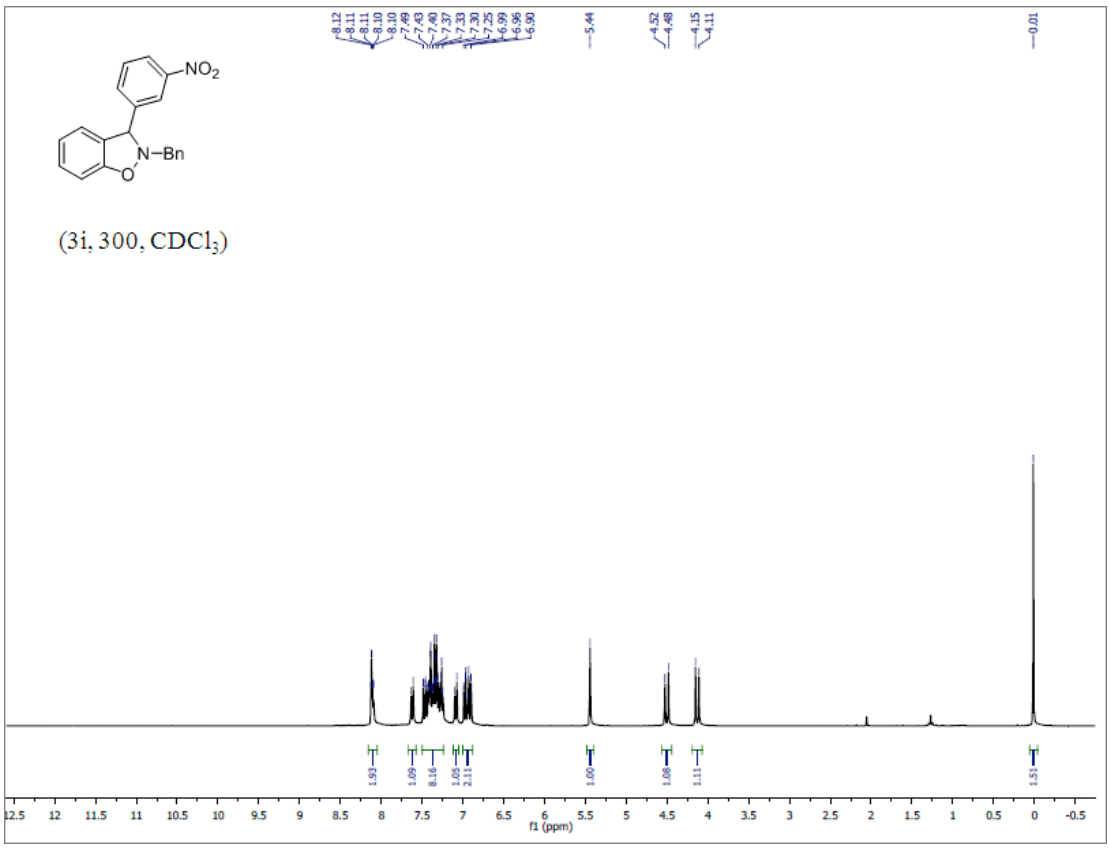
N–Bn
O
(3h, 300, CDCl3)
f1 (ppm)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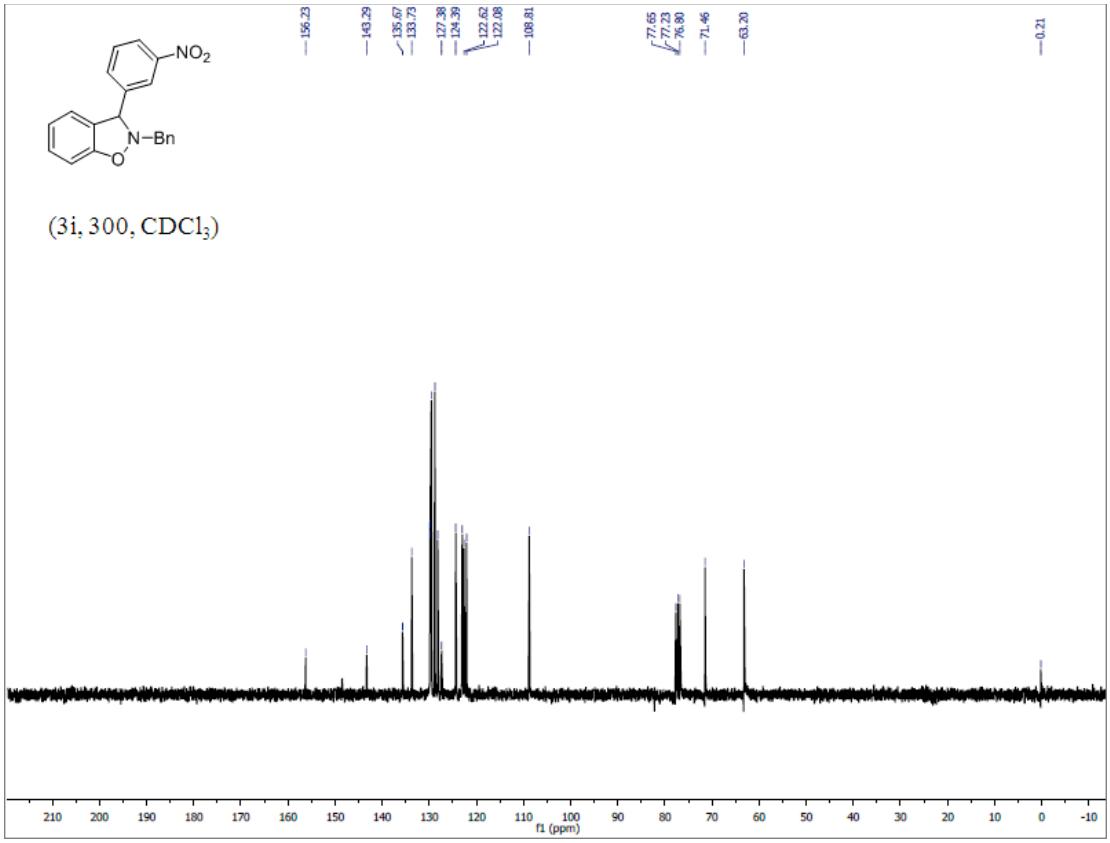
f1 (ppm)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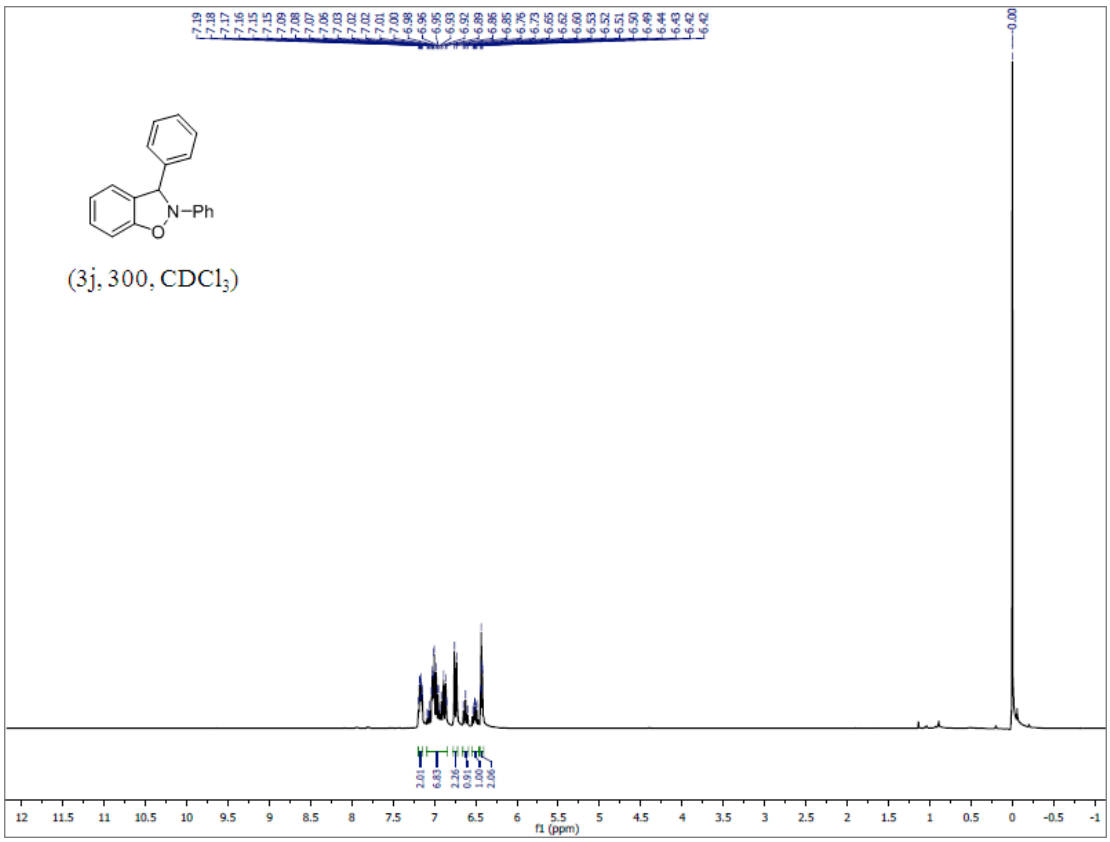
f1 (ppm)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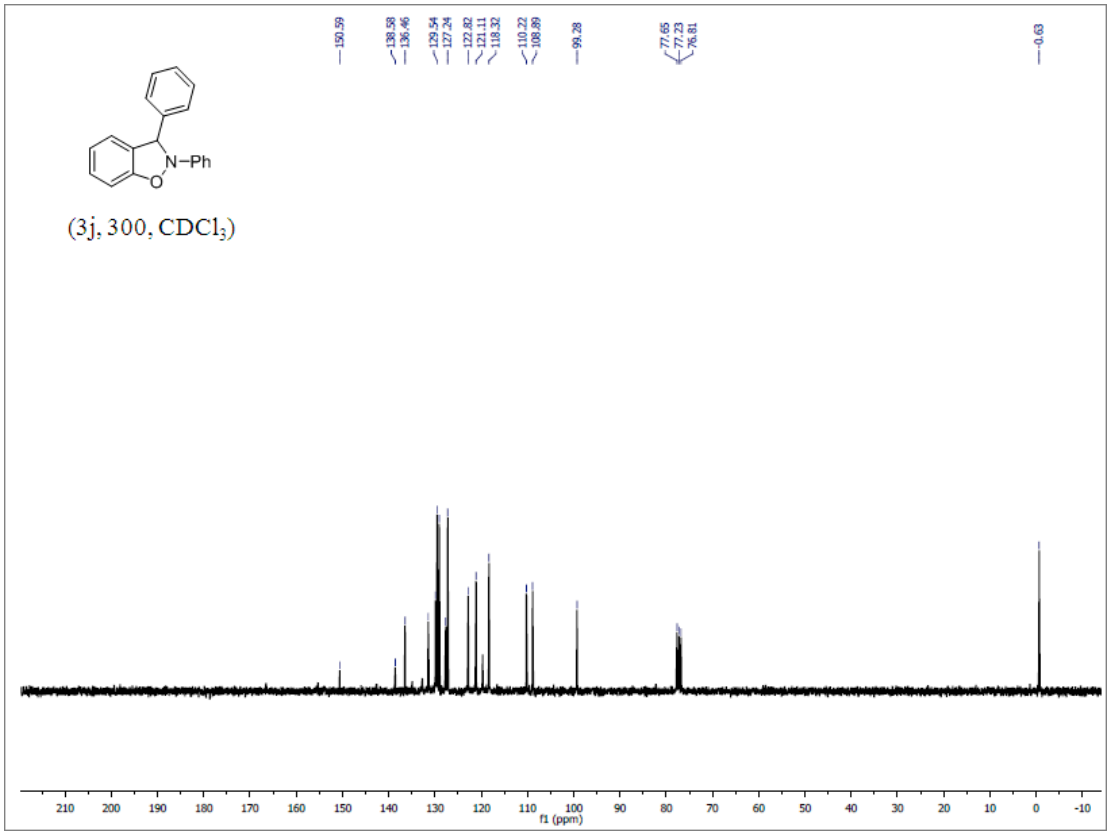
O
(3j, 300, CDCl3)
f1 (ppm)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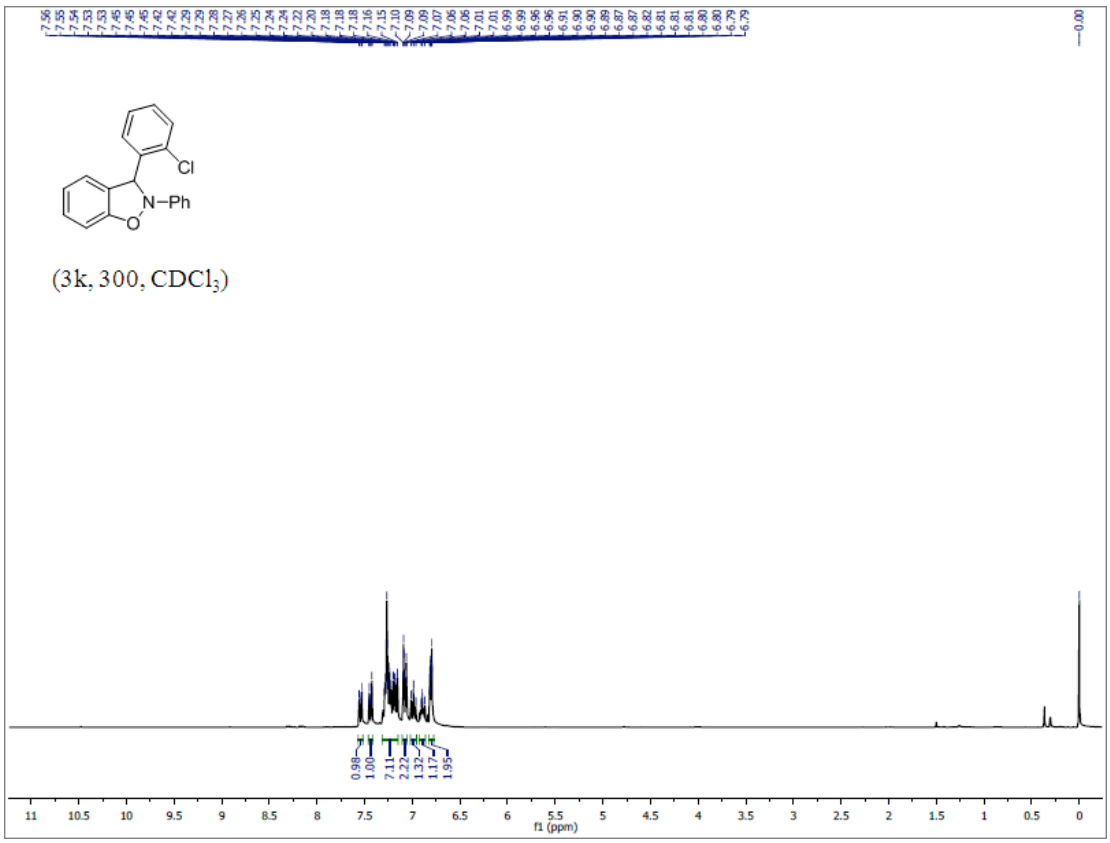
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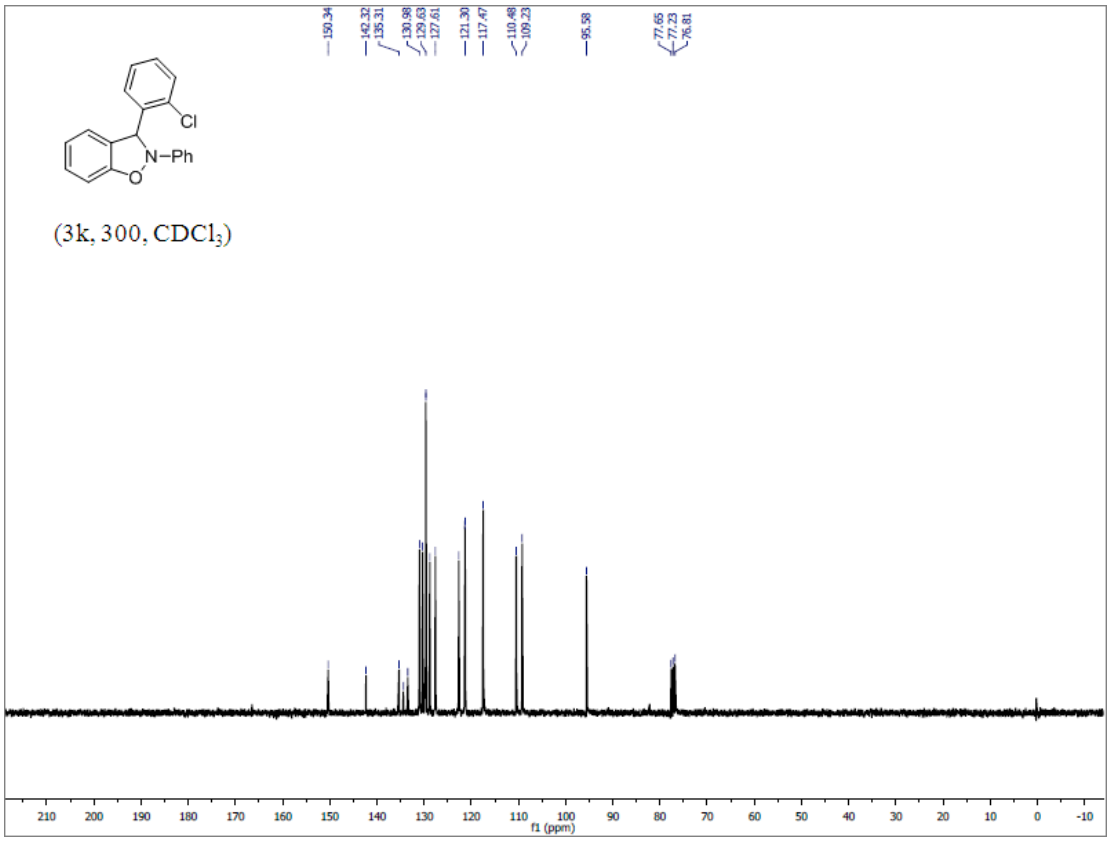
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N–Ph
O
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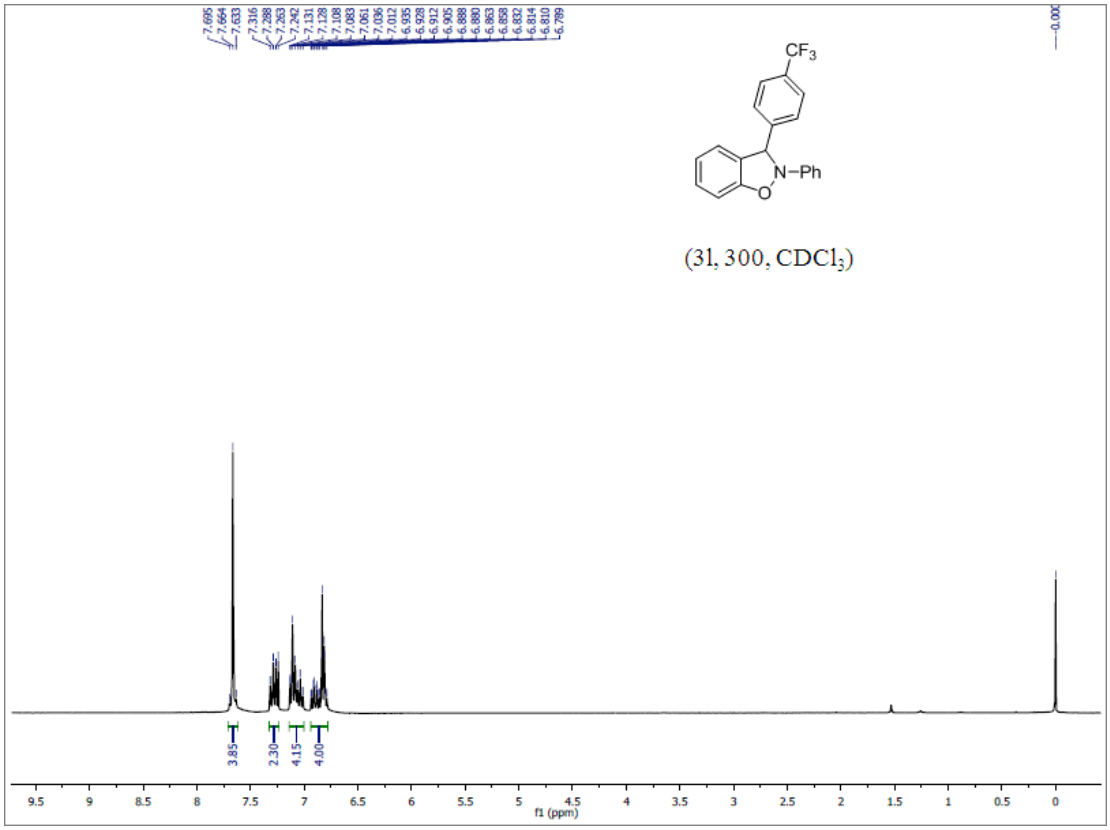
f1 (ppm)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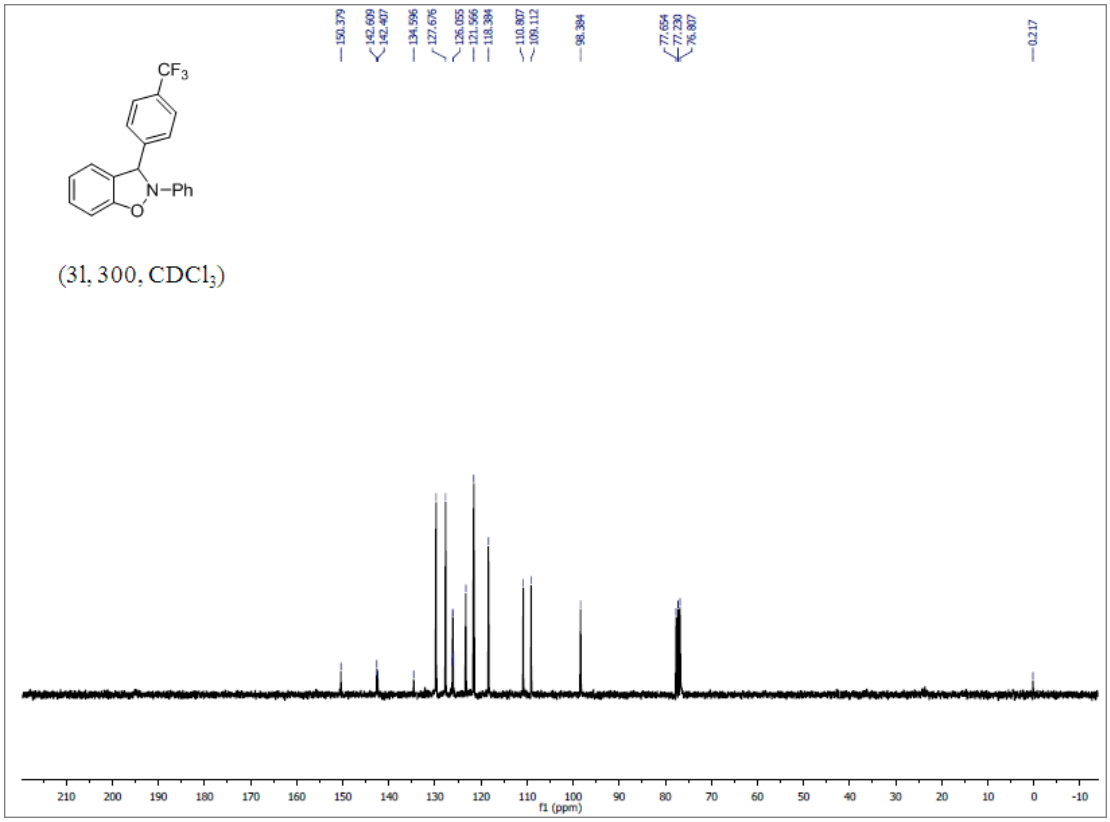
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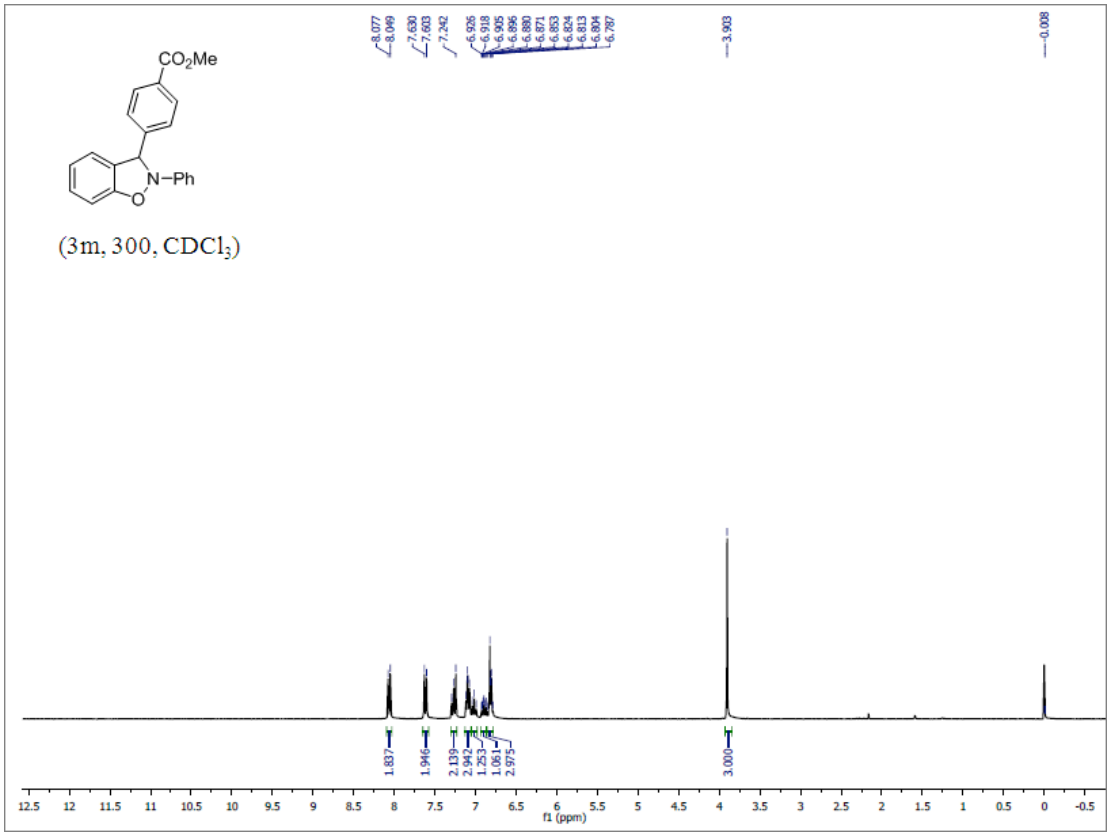
0.217
f1 (ppm)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6.824
6.813
6.804
6.787
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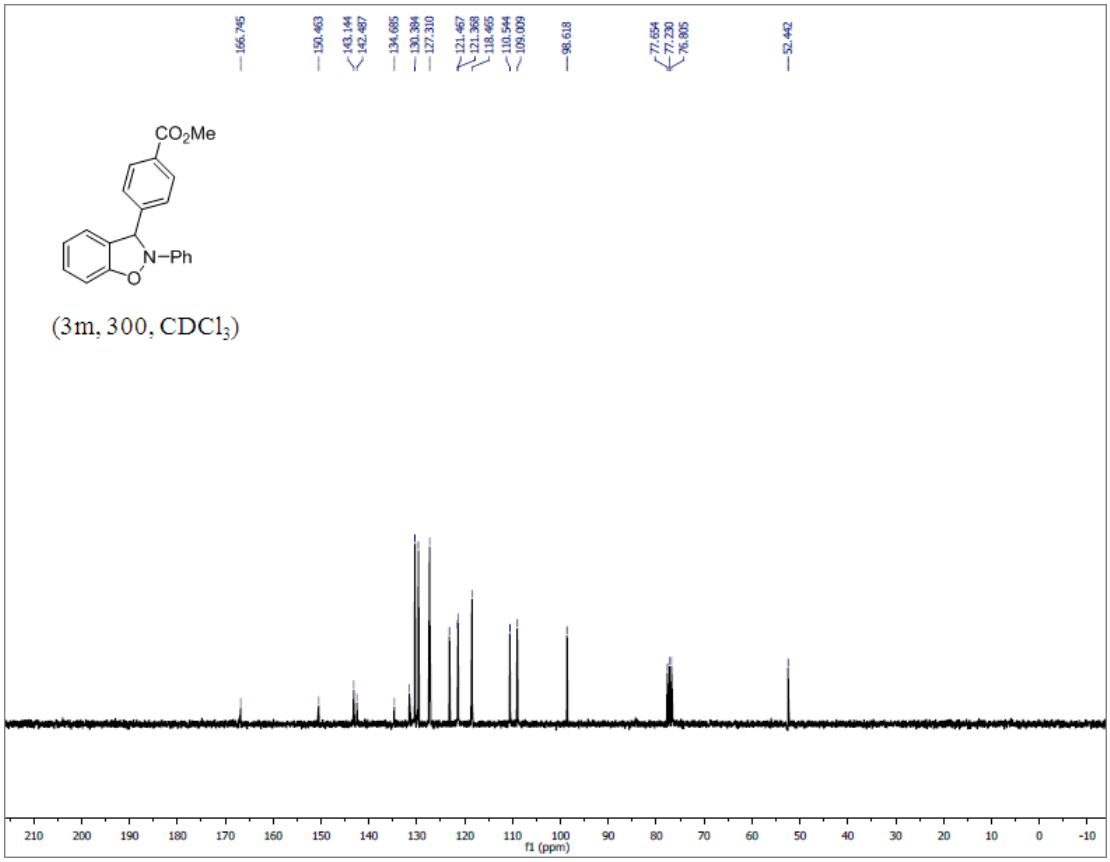
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77.230
76.805
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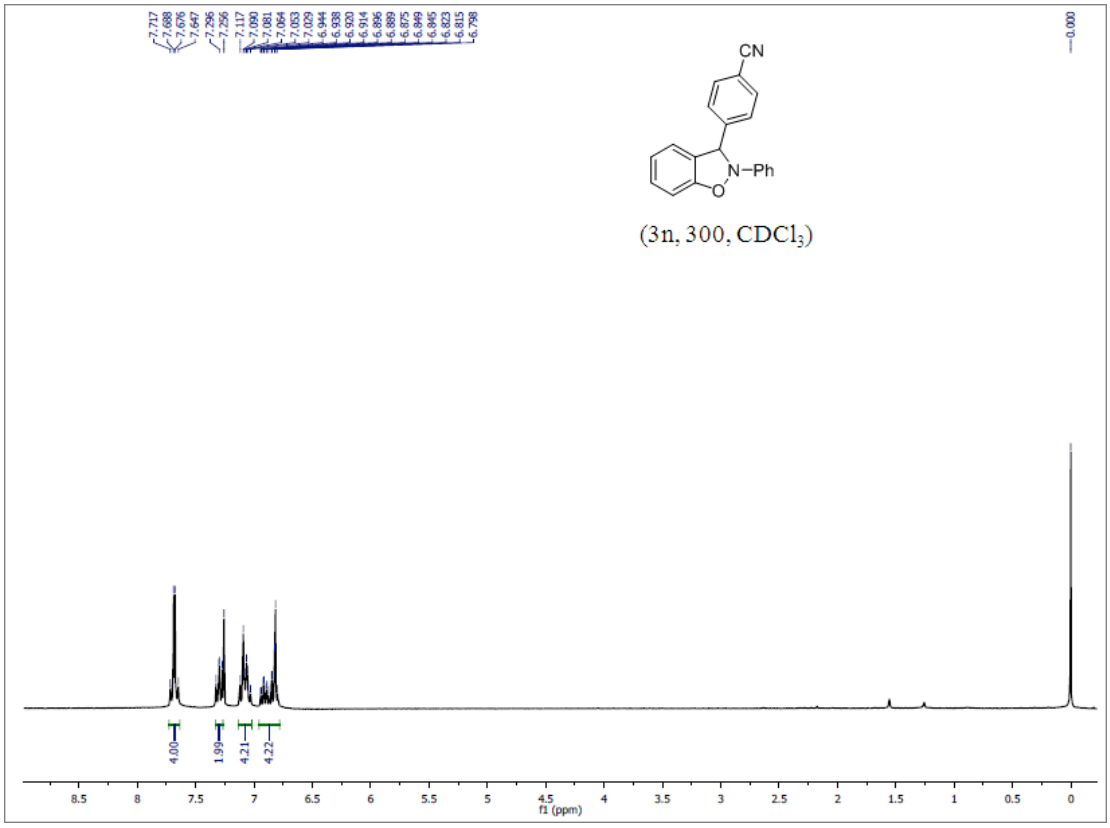
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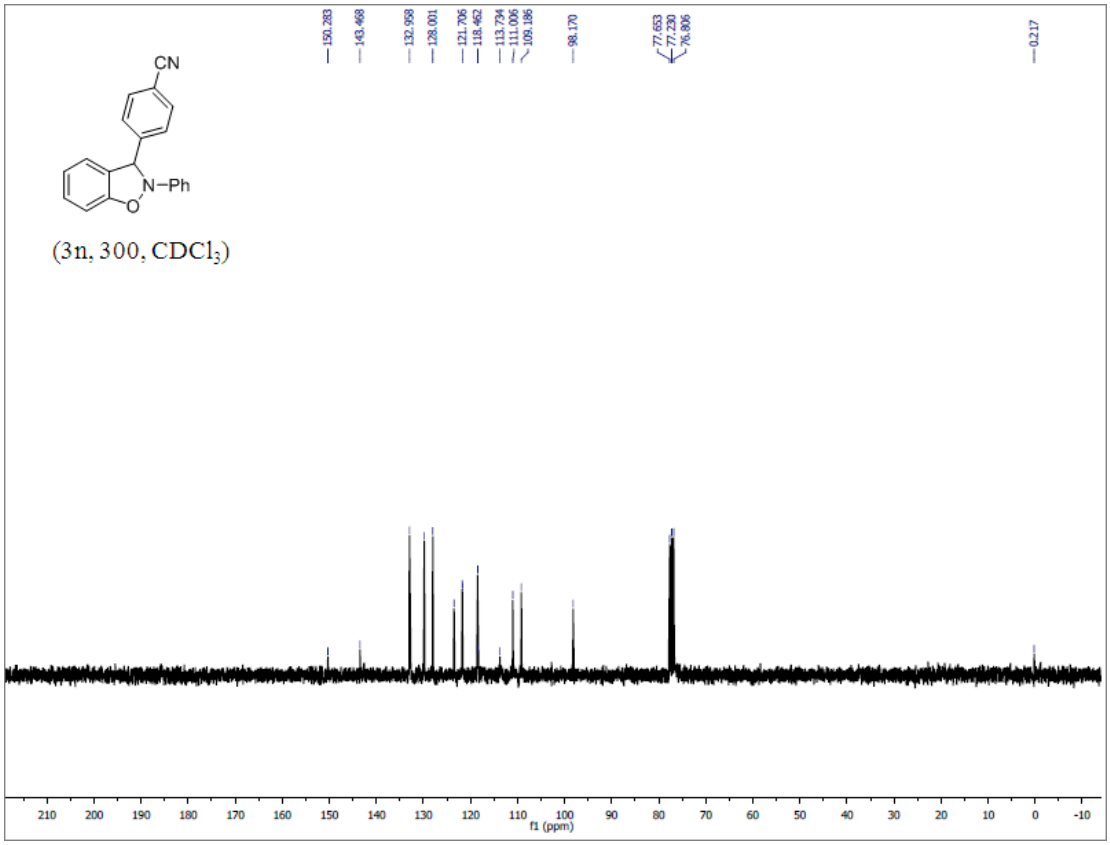
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N–Ph
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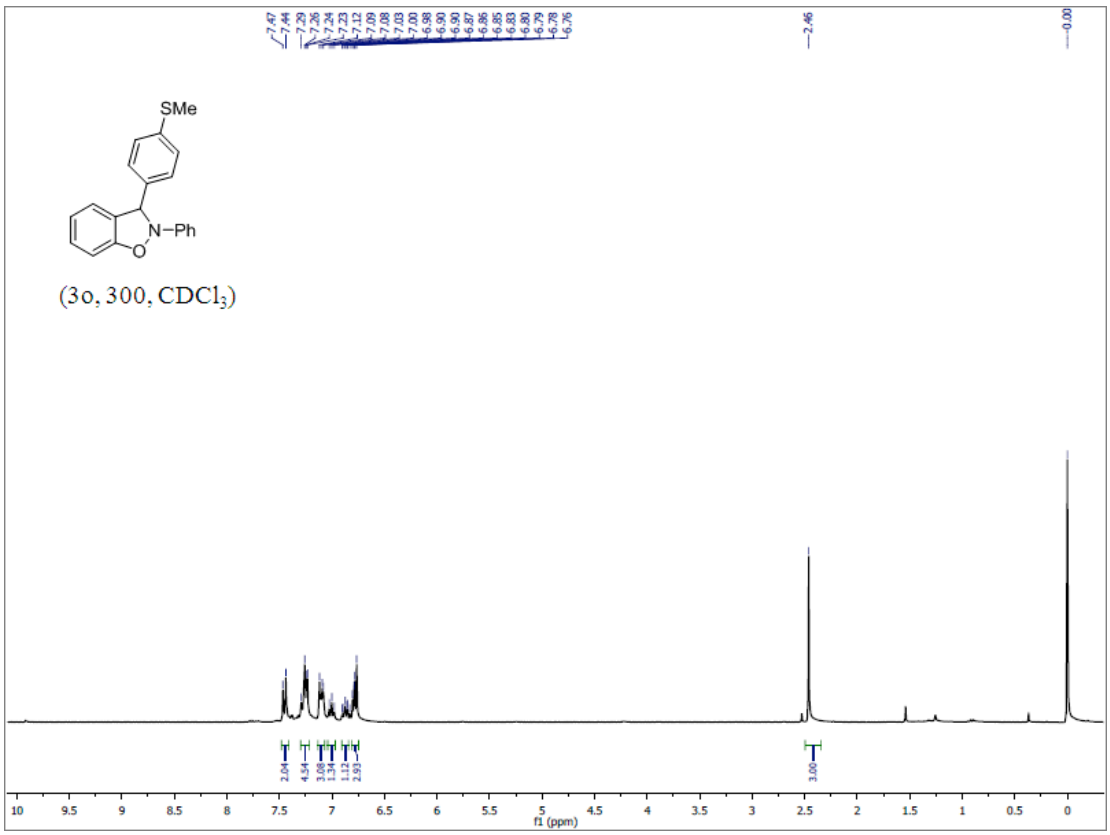
(3n, 300, CDCl3)
f1 (ppm)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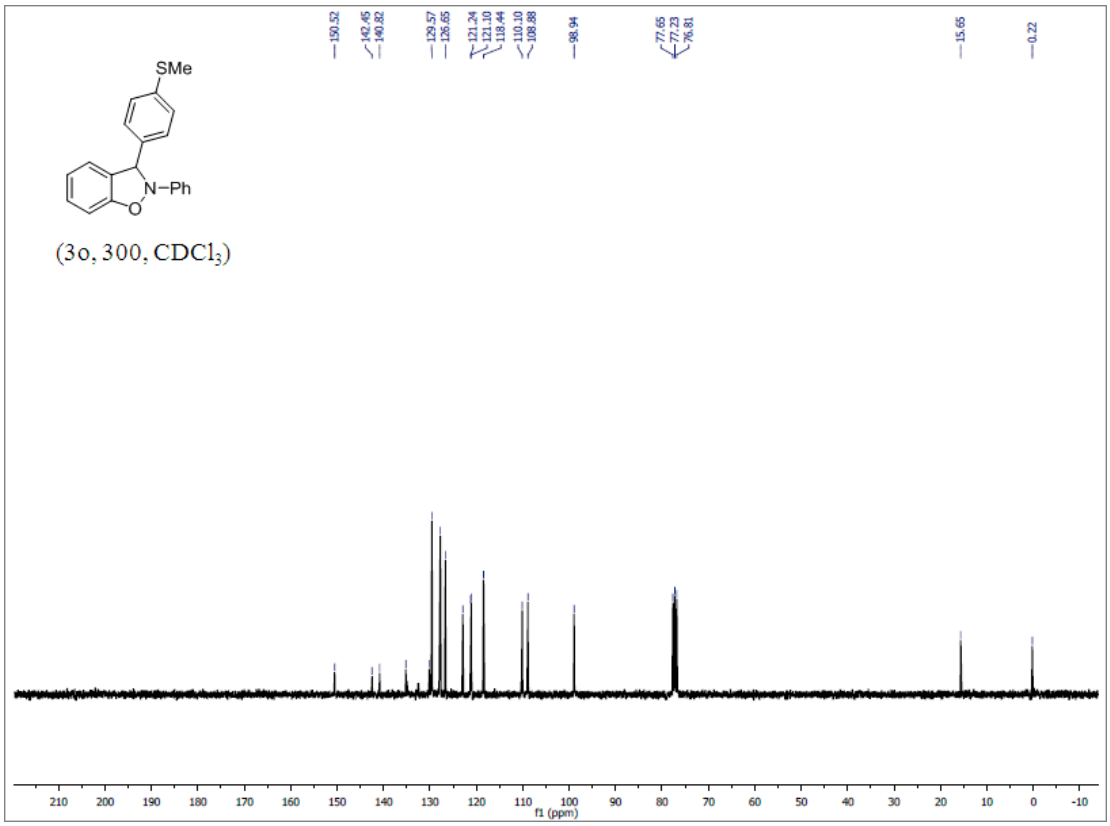
f1 (ppm)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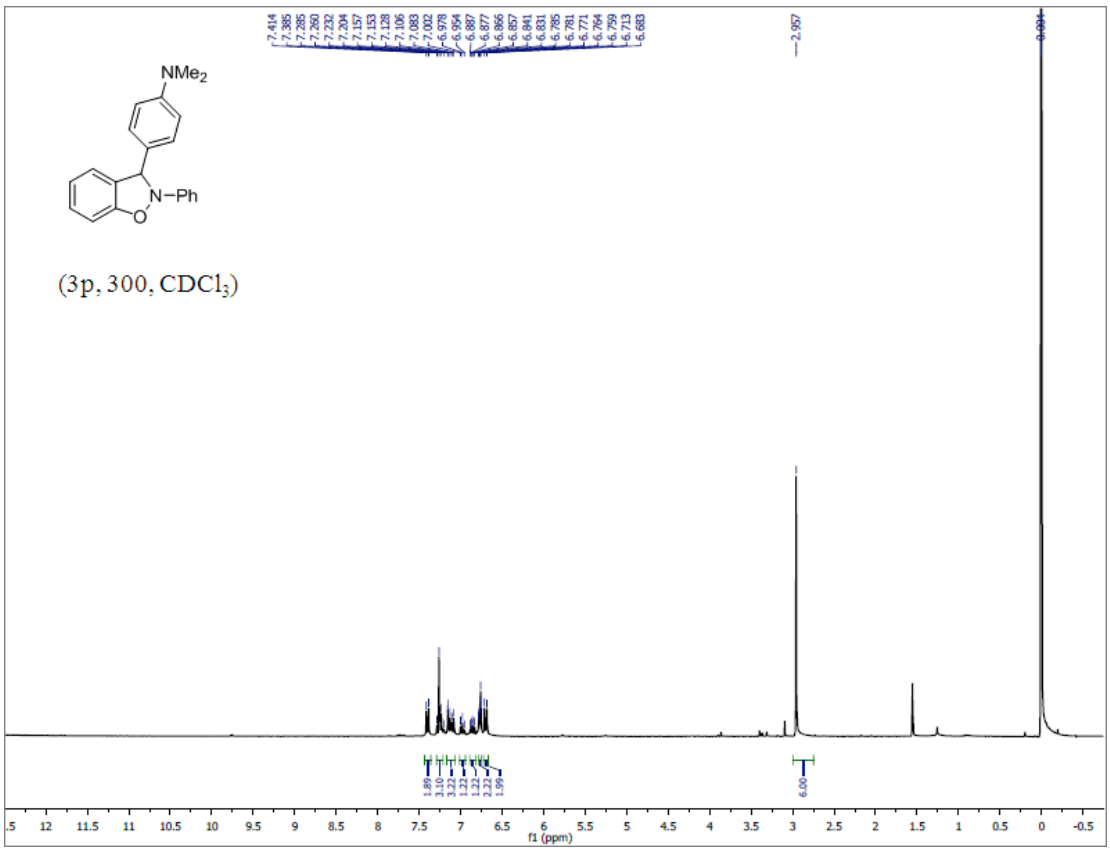
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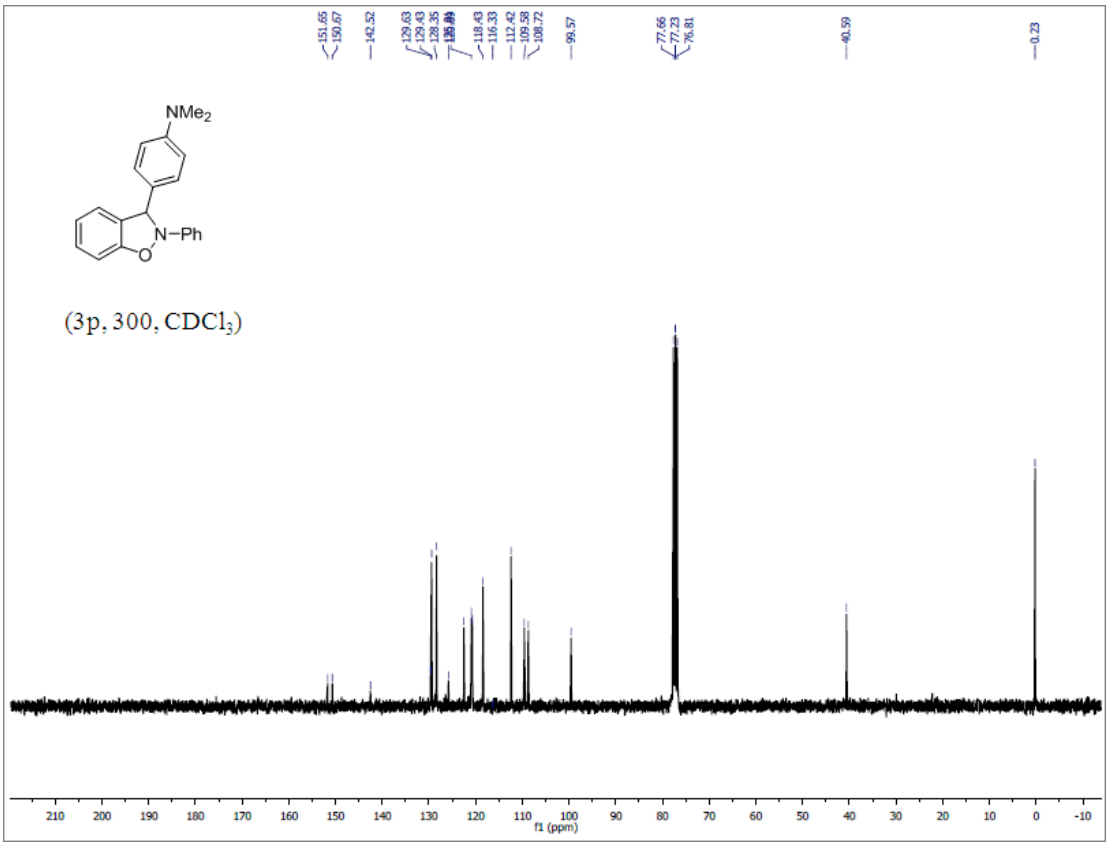
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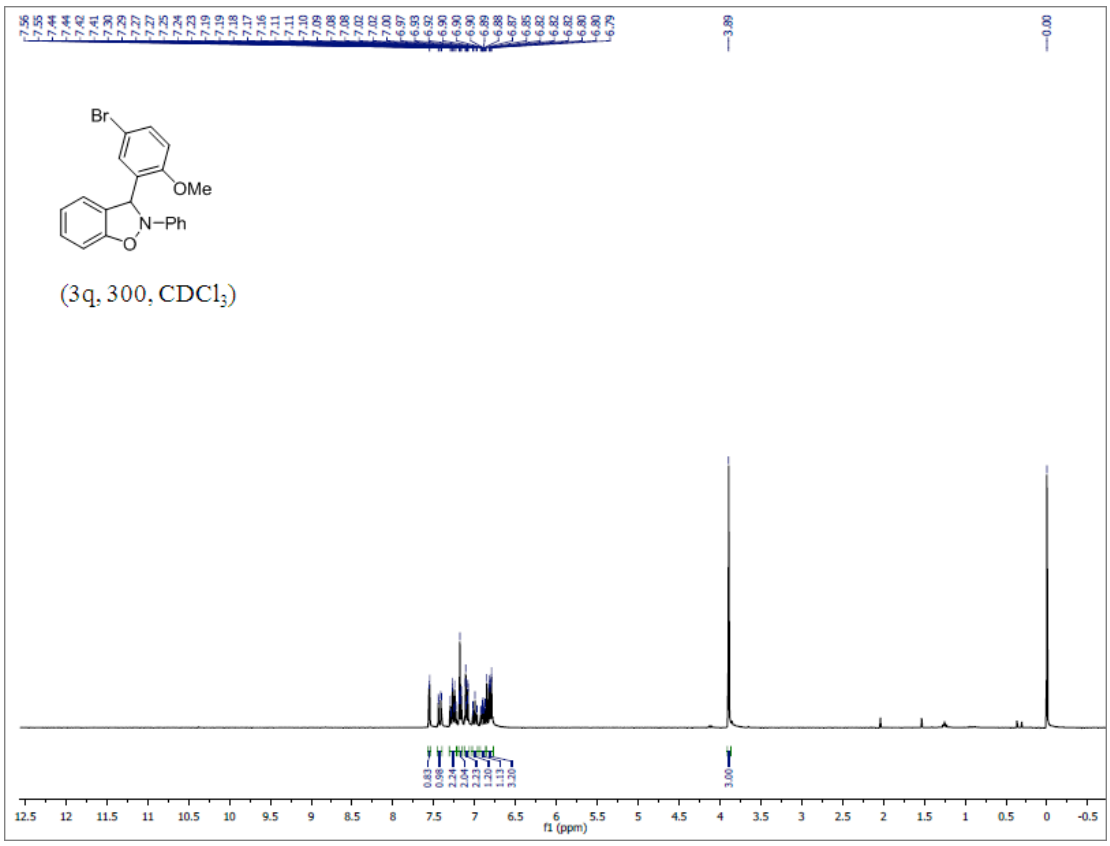
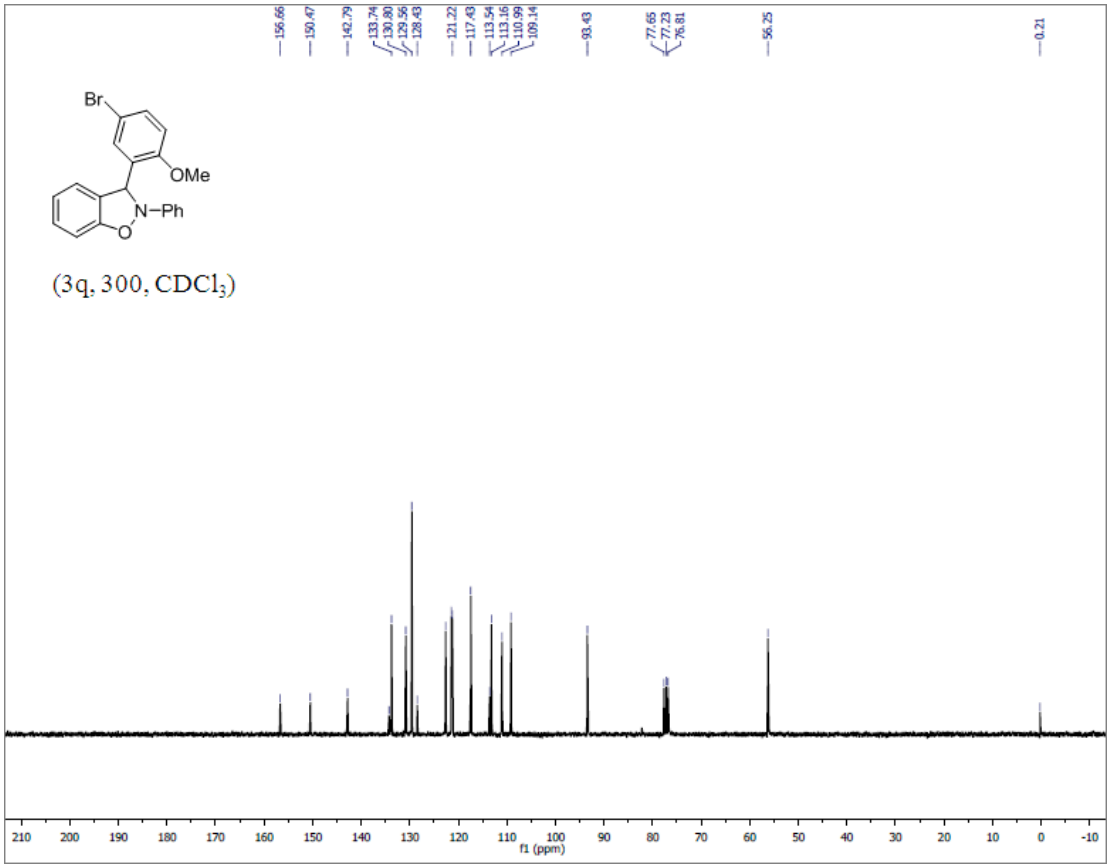
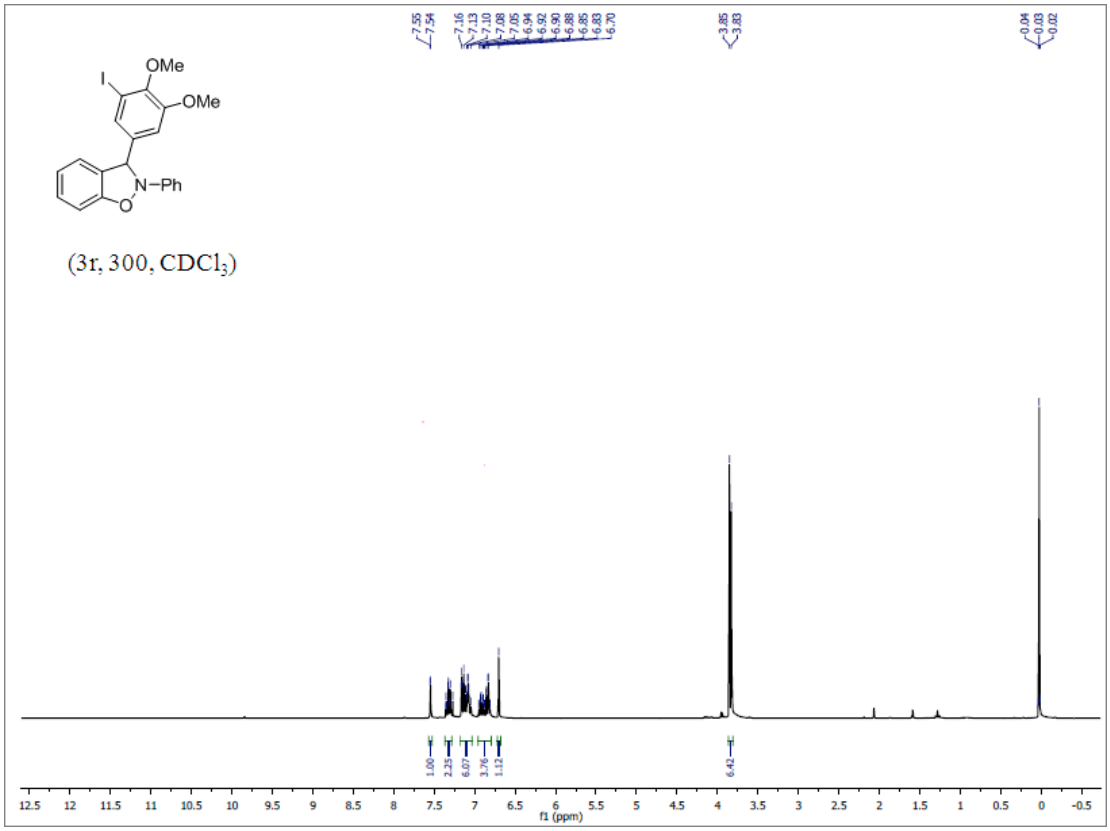
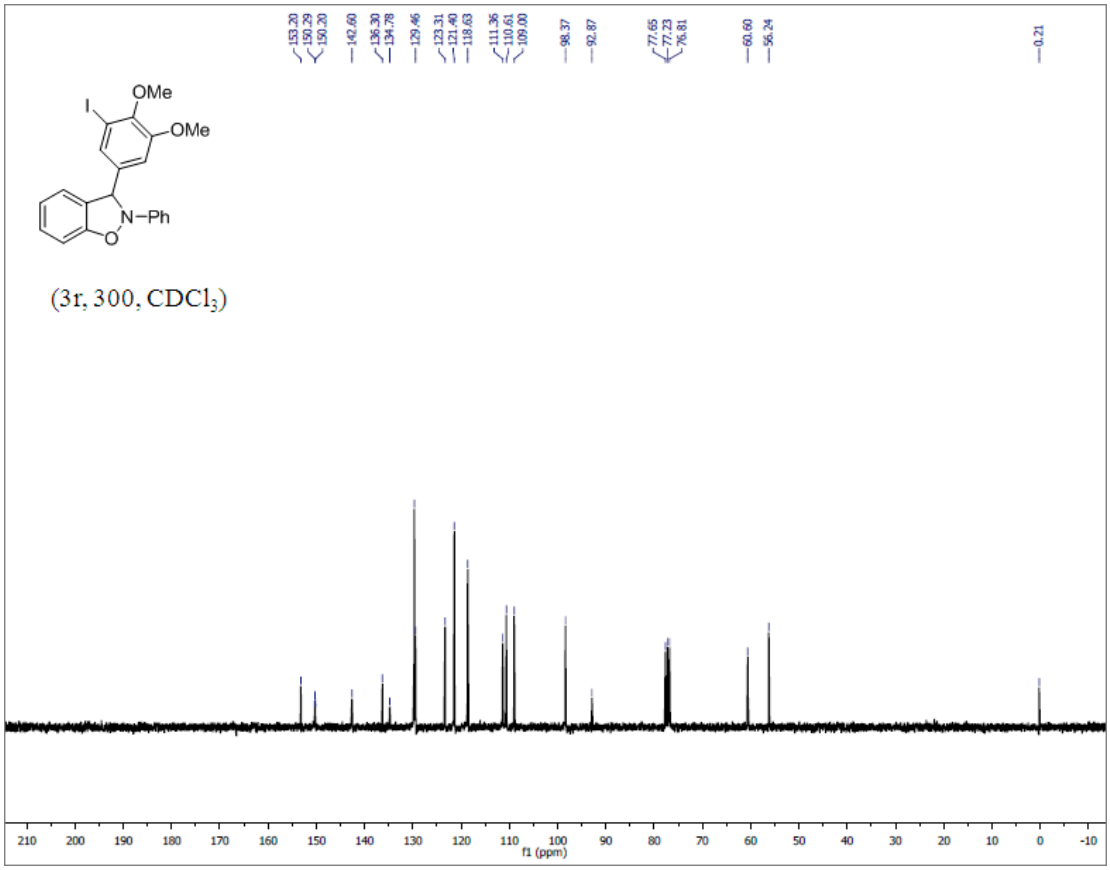
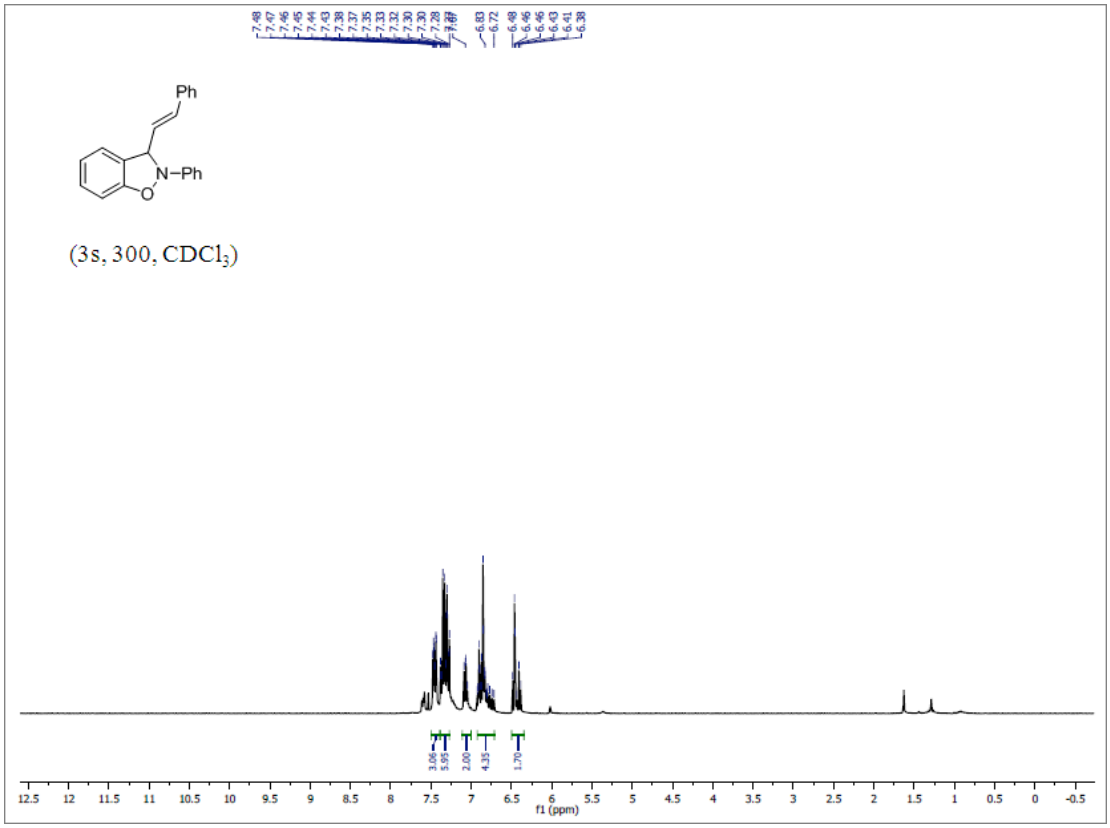
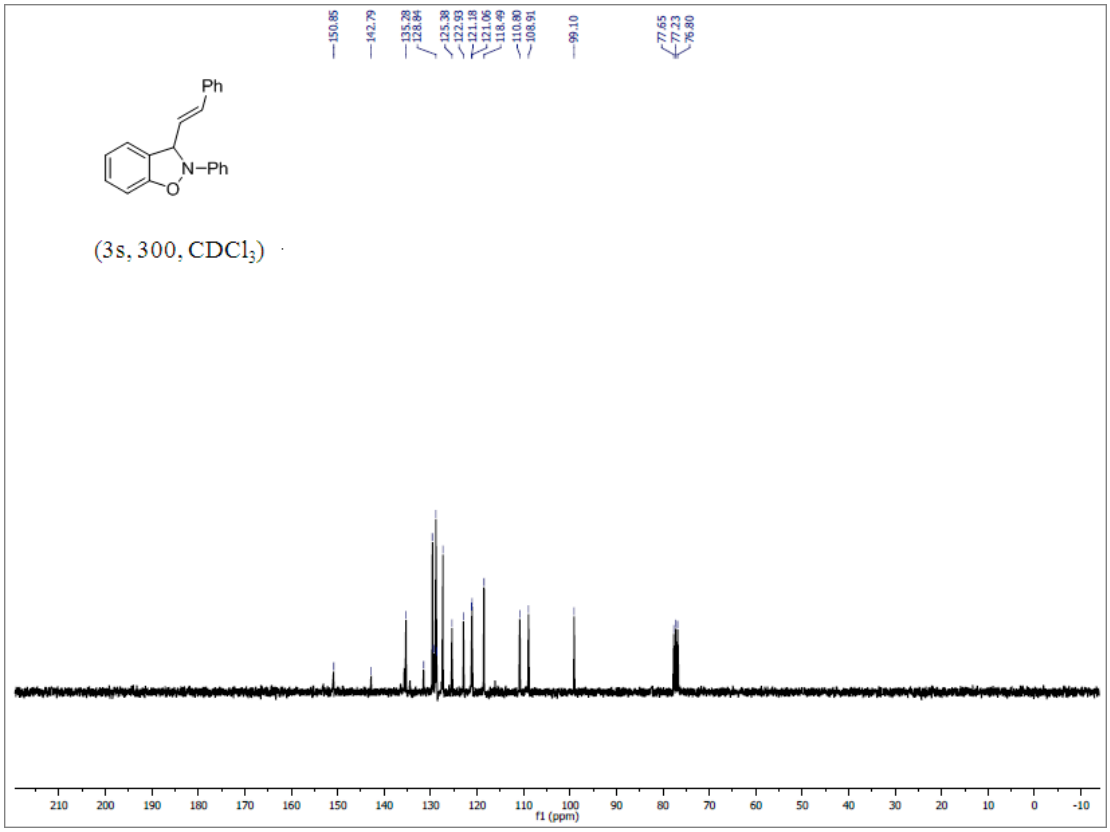

Br
OMe
N–Ph
O
(3q, 300, CDCl3)
f1 (ppm)

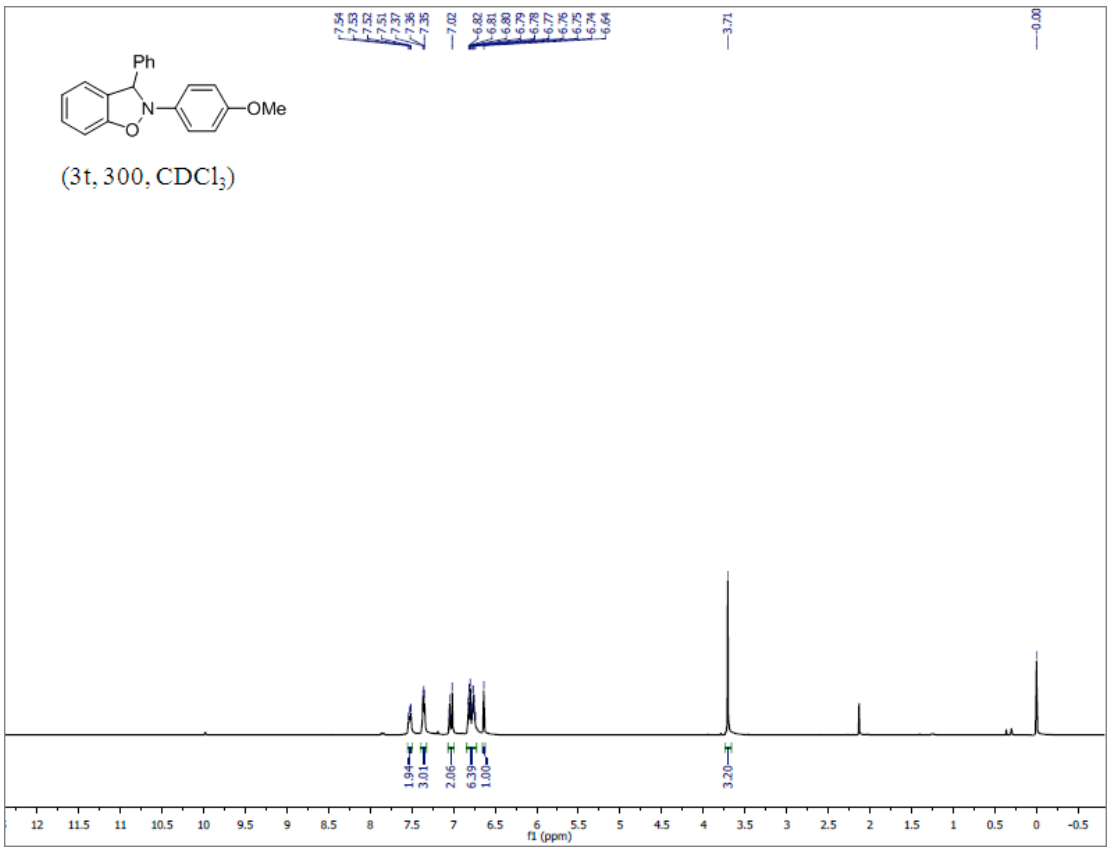

Br
OMe
N–Ph
O
(3q, 300, CDCl3)
f1 (ppm)

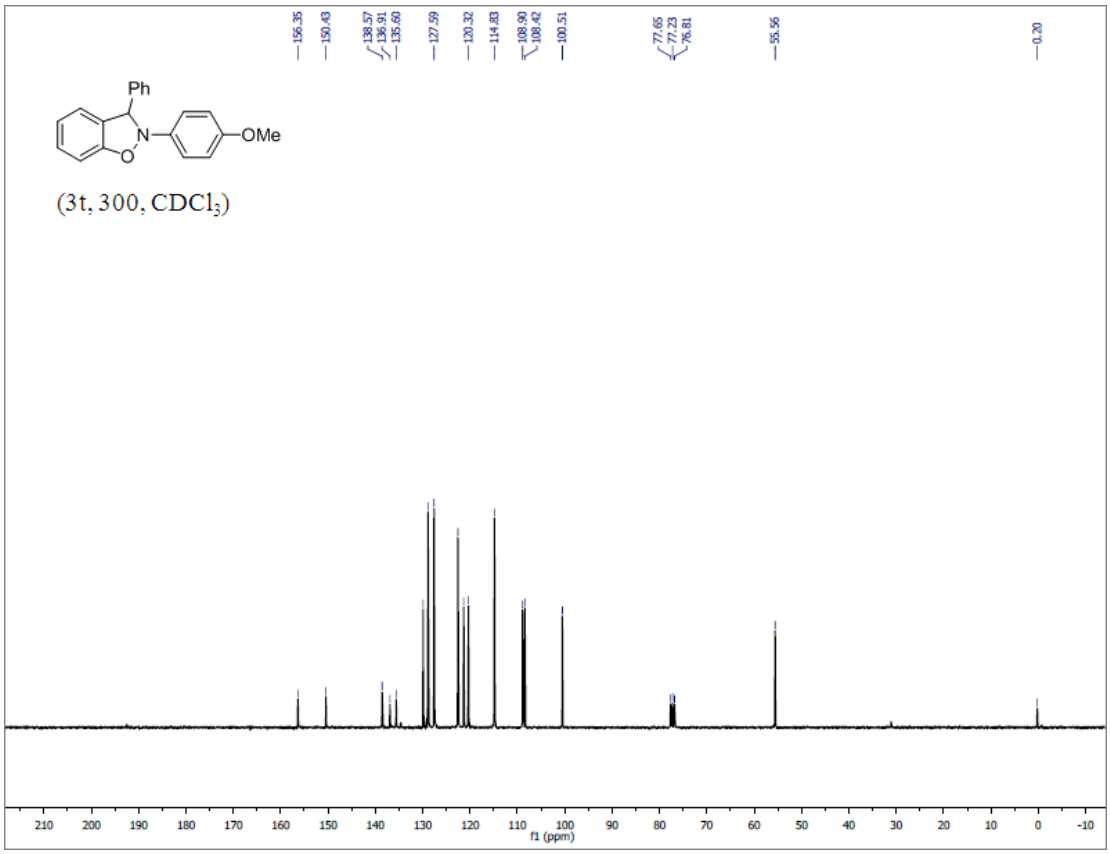

OMe
I
OMe
N–Ph
O
(3r, 300, CDCl3)
f1 (ppm)

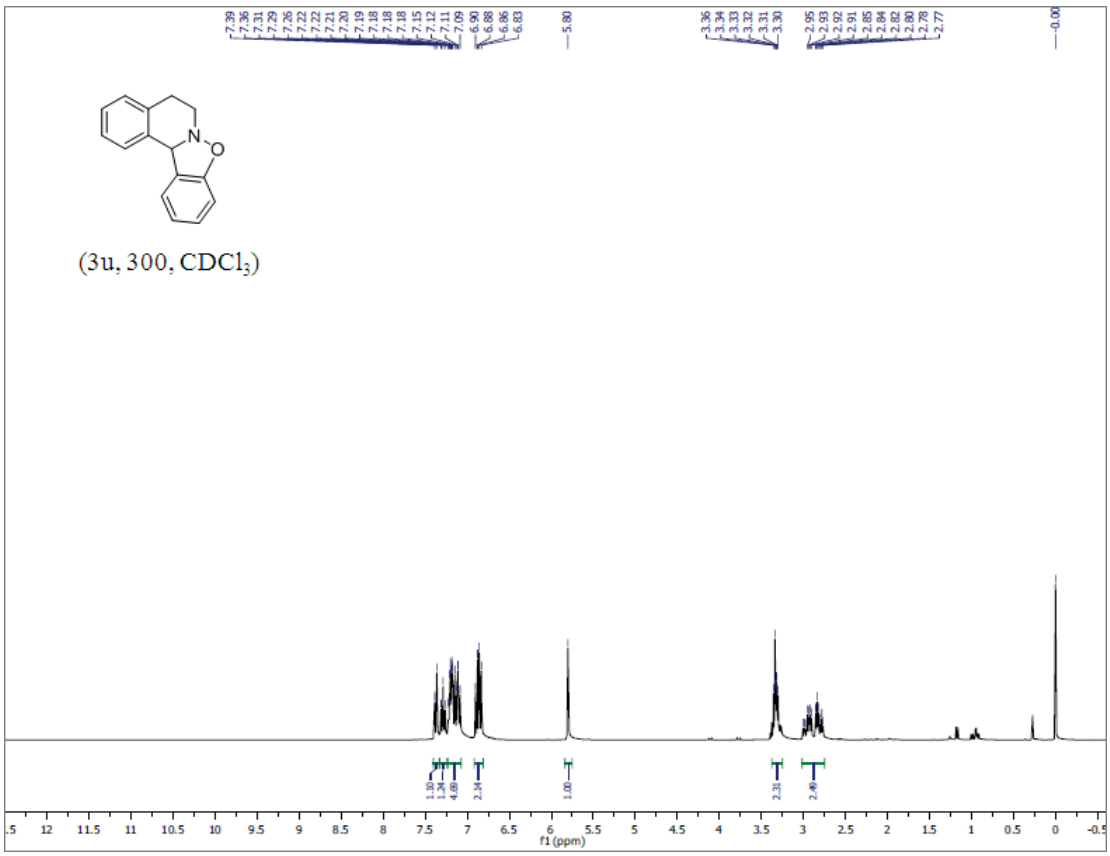

OMe
I
OMe
N–Ph
O
(3r, 300, CDCl3)
f1 (ppm)

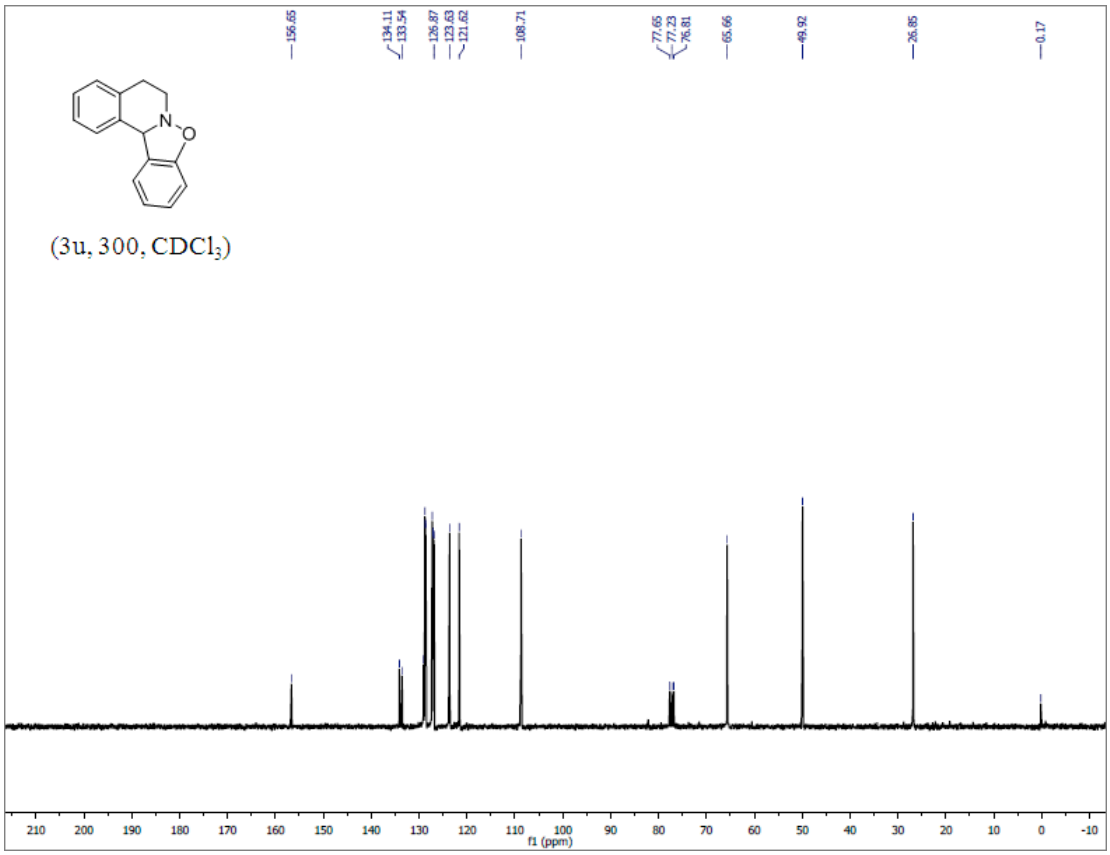

Ph
N–Ph
O
(3s, 300, CDCl3)
f1 (ppm)

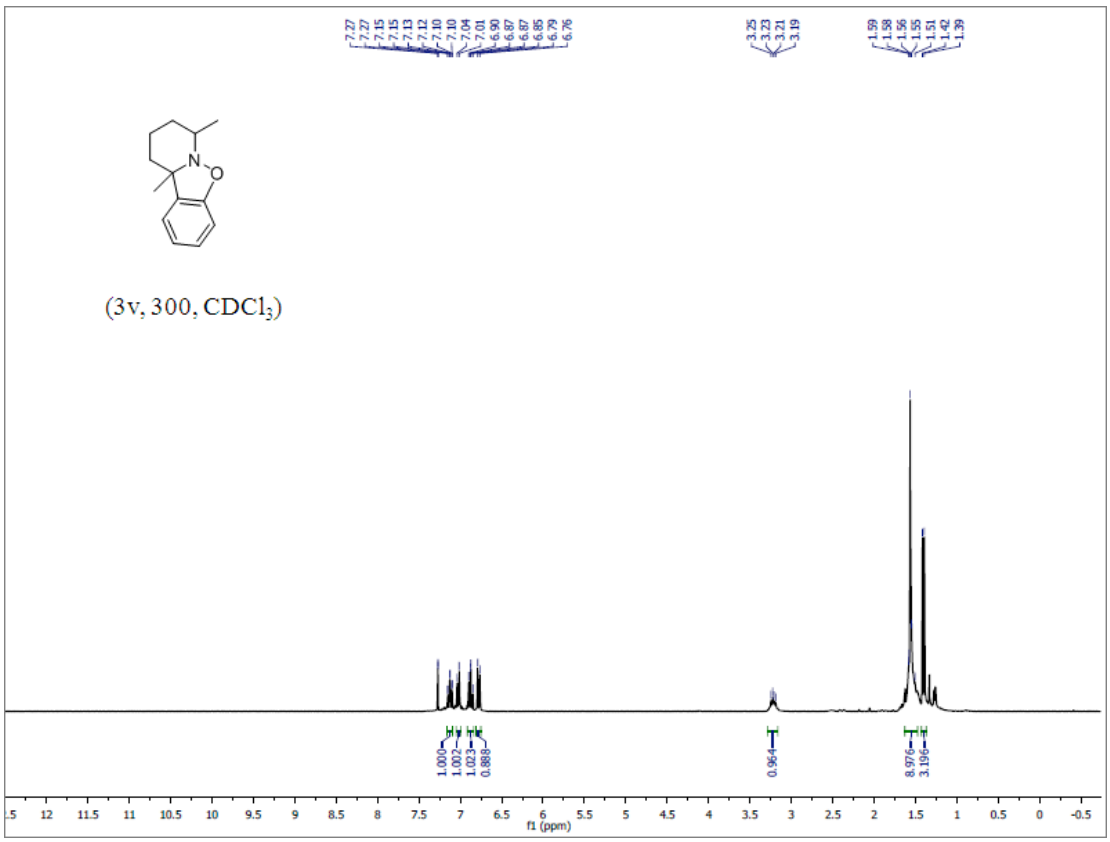

Ph
N–Ph
O
(3s, 300, CDCl3)
f1 (ppm)

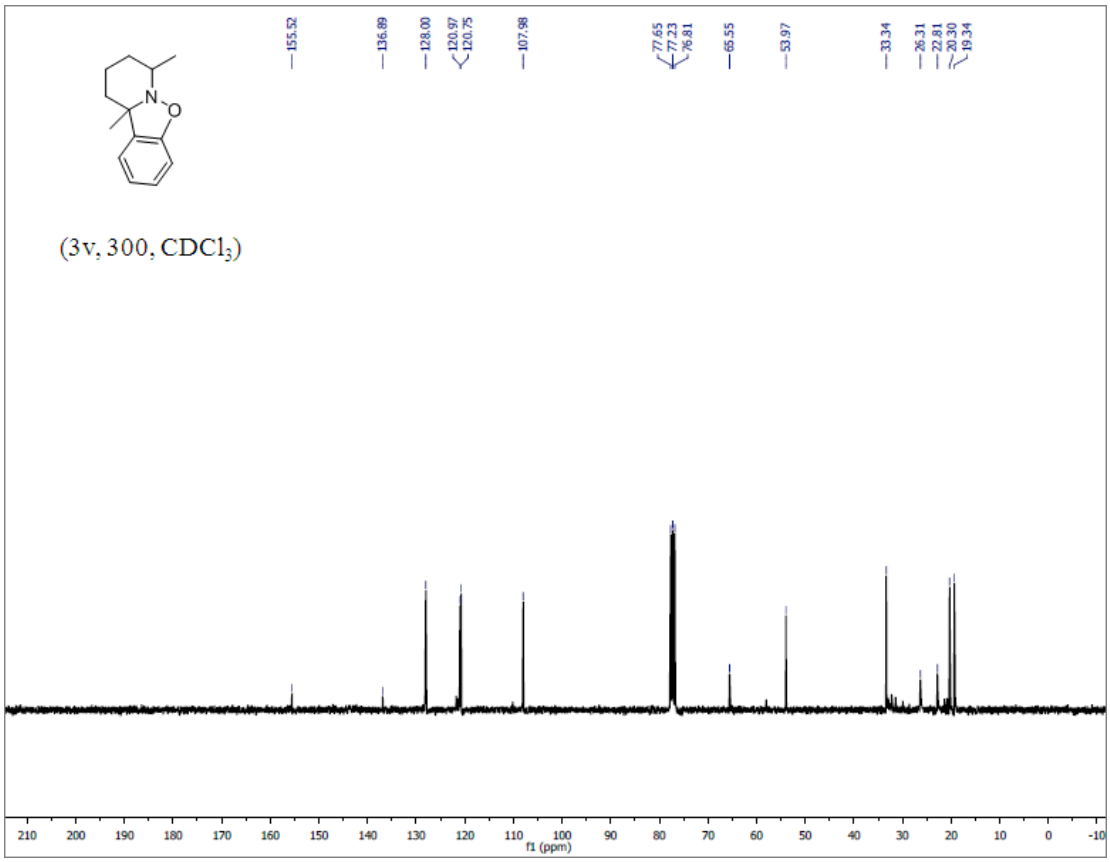

Ph
N
O
OMe
(3t, 300, CDCl3)
7.54
7.53
7.52
7.51
7.37
7.36
7.35
7.02
6.82
6.81
6.80
6.79
6.78
6.77
6.76
6.75
6.74
6.64
3.71
0.00
1.94
3.01
2.06
6.39
1.00
3.20
f1 (ppm)

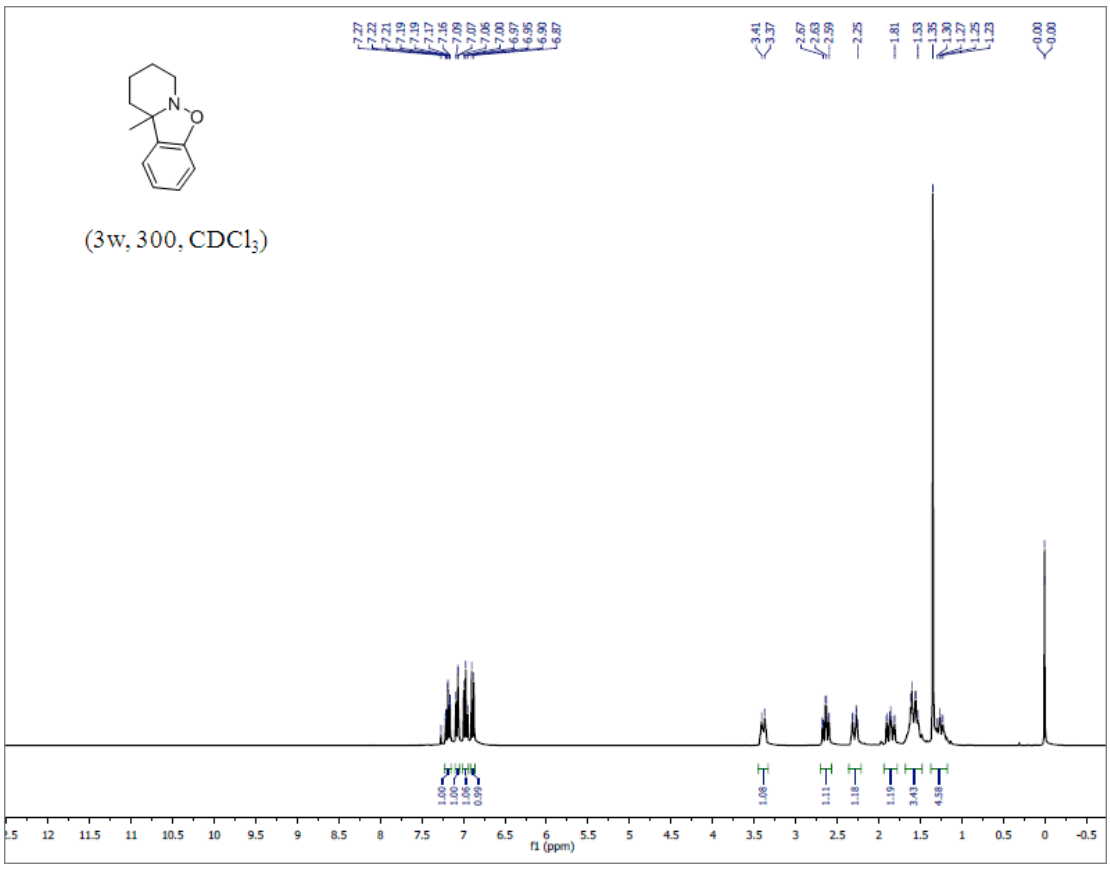

Ph
N
O
OMe
(3t, 300, CDCl3)
156.35
150.43
138.57
136.91
135.60
127.59
120.32
114.83
108.90
108.42
100.51
77.65
77.23
76.81
55.56
0.20
f1 (ppm)

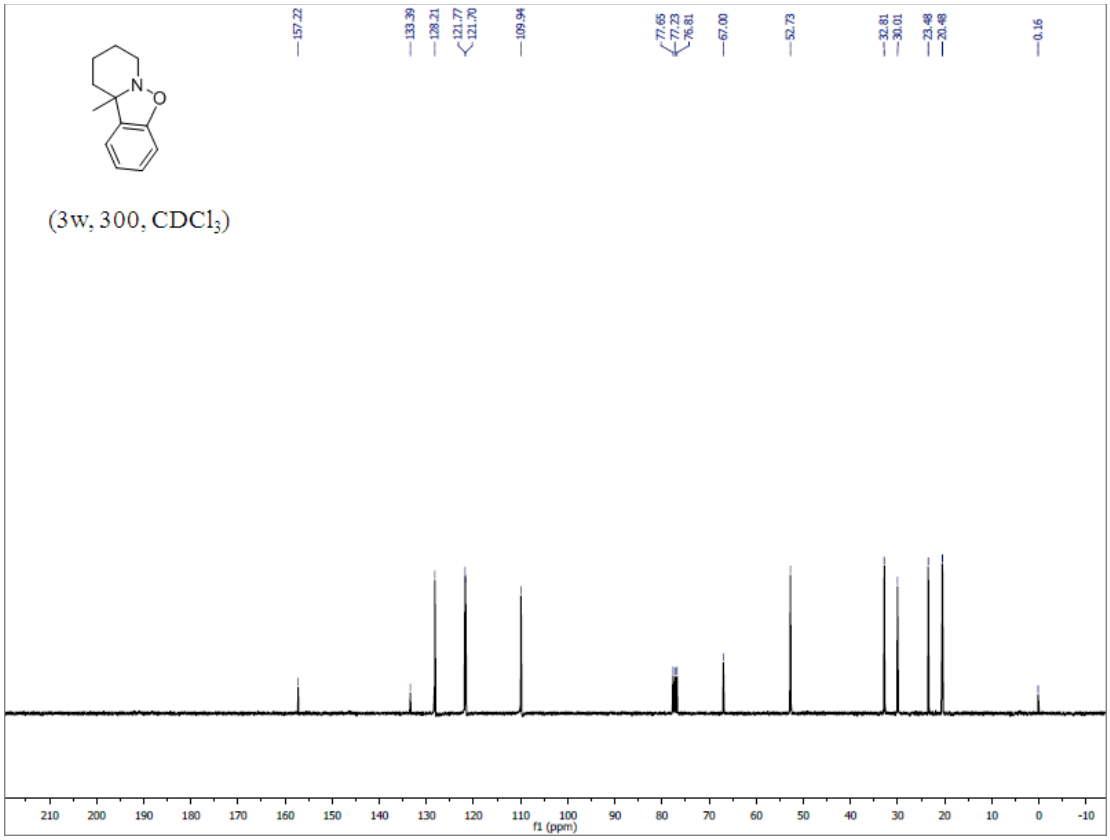

(3u, 300, CDCl3)
f1 (ppm)

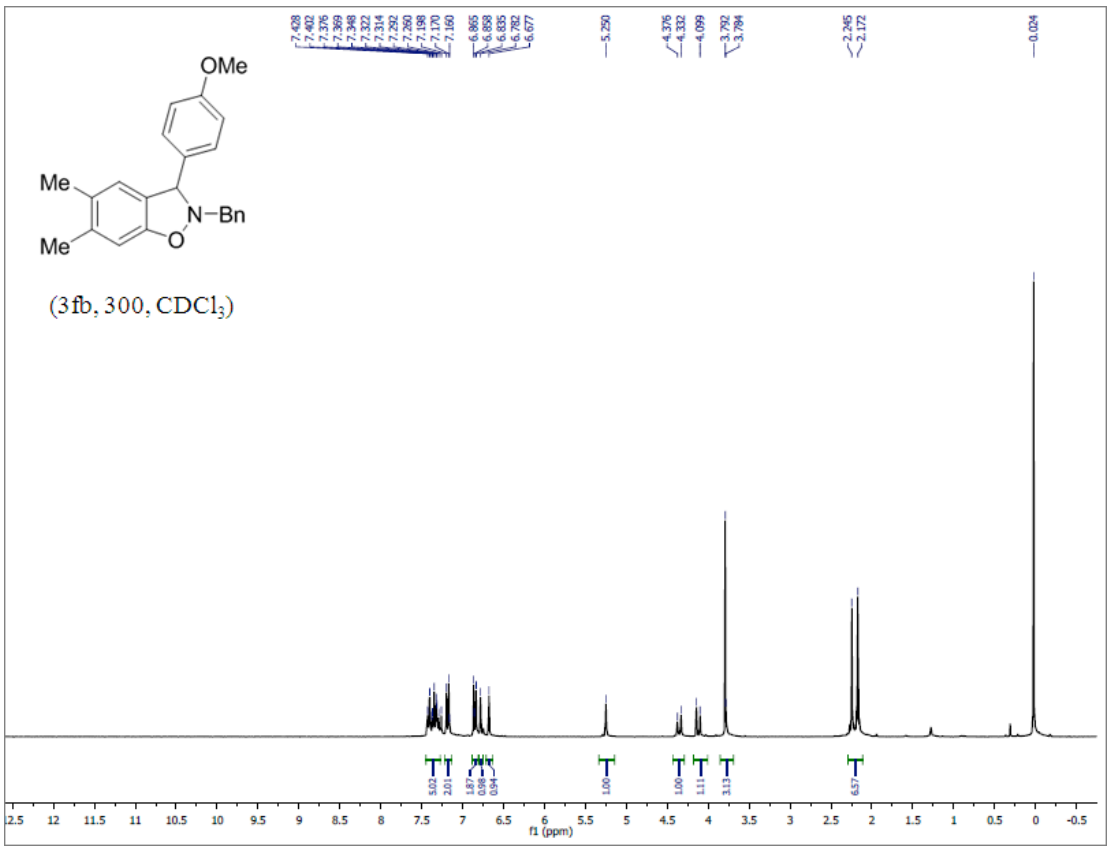

(3u, 300, CDCl3)
f1 (ppm)

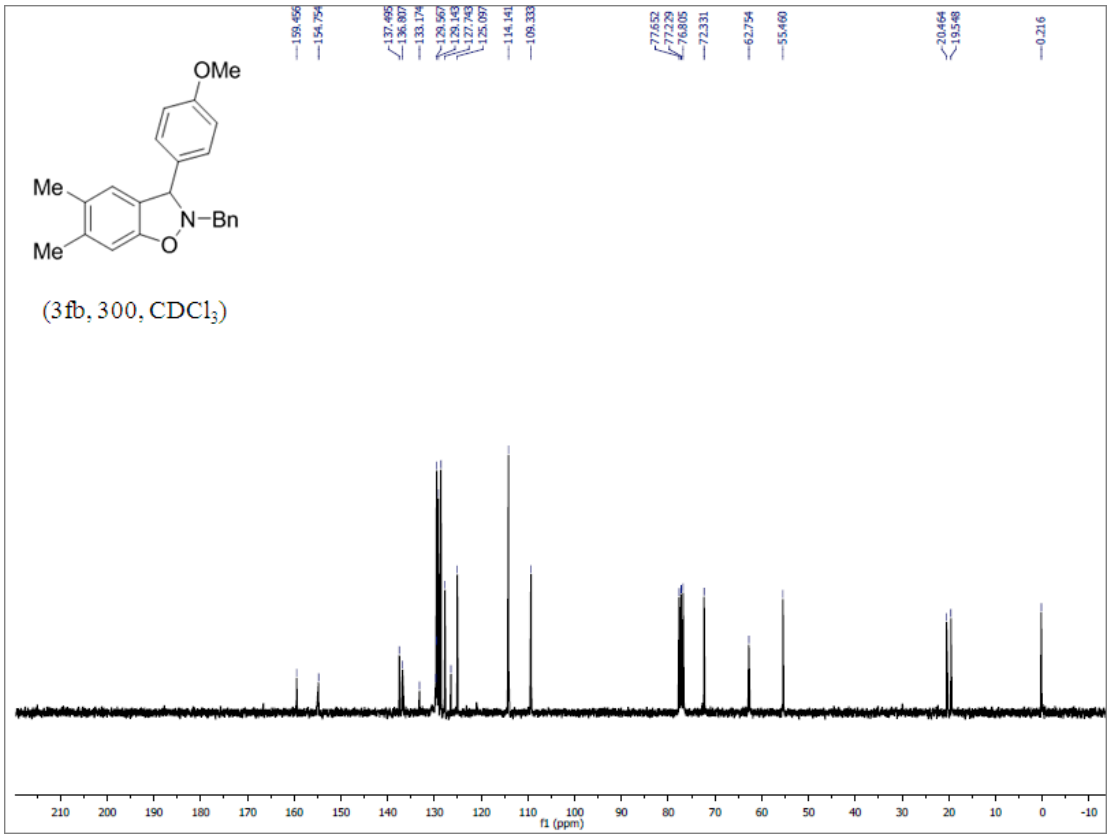

7.27
7.27
7.15
7.15
7.13
7.12
7.10
7.10
7.04
7.01
6.90
6.87
6.87
6.85
6.79
6.76
3.25
3.23
3.21
3.19
1.59
1.58
1.56
1.55
1.51
1.42
1.39
N
O
(3v, 300, CDCl3)
1.000
1.032
1.023
0.888
0.964
8.976
3.196
f1 (ppm)

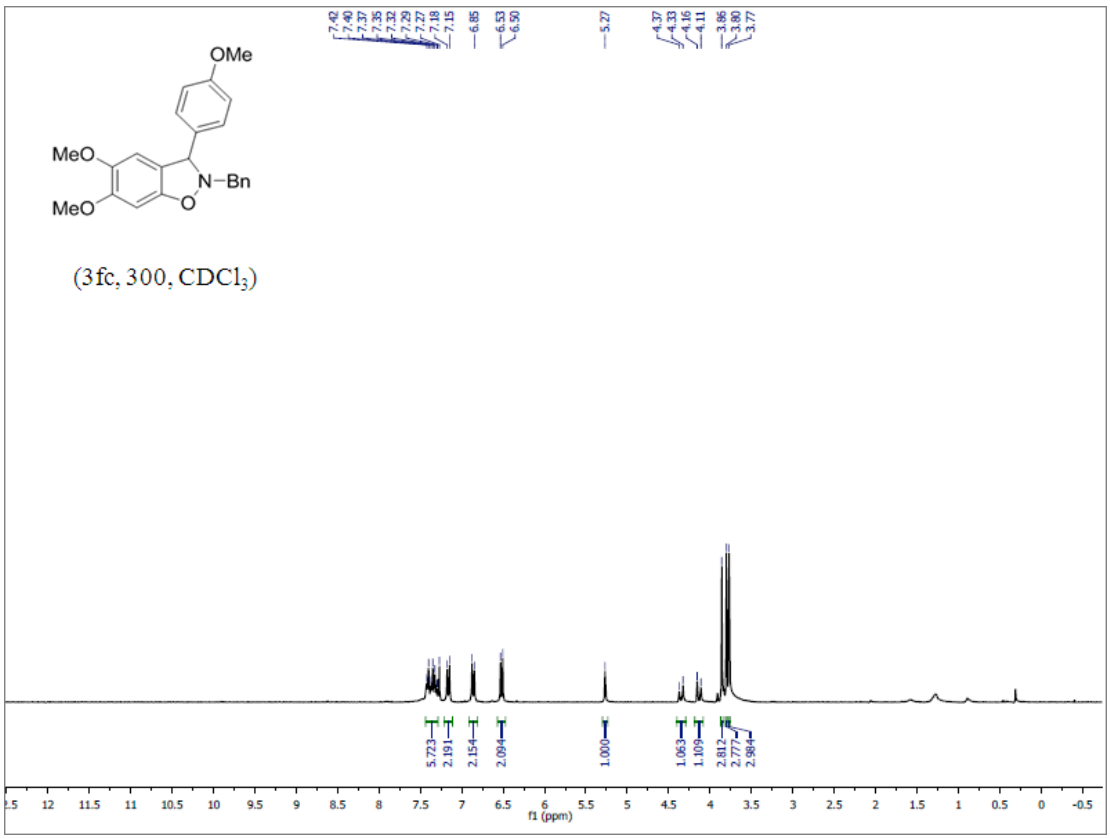

155.52
136.89
128.00
120.97
120.75
107.98
77.65
77.23
76.81
65.55
53.97
33.34
26.31
22.81
20.30
19.34
N
O
(3v, 300, CDCl3)
f1 (ppm)

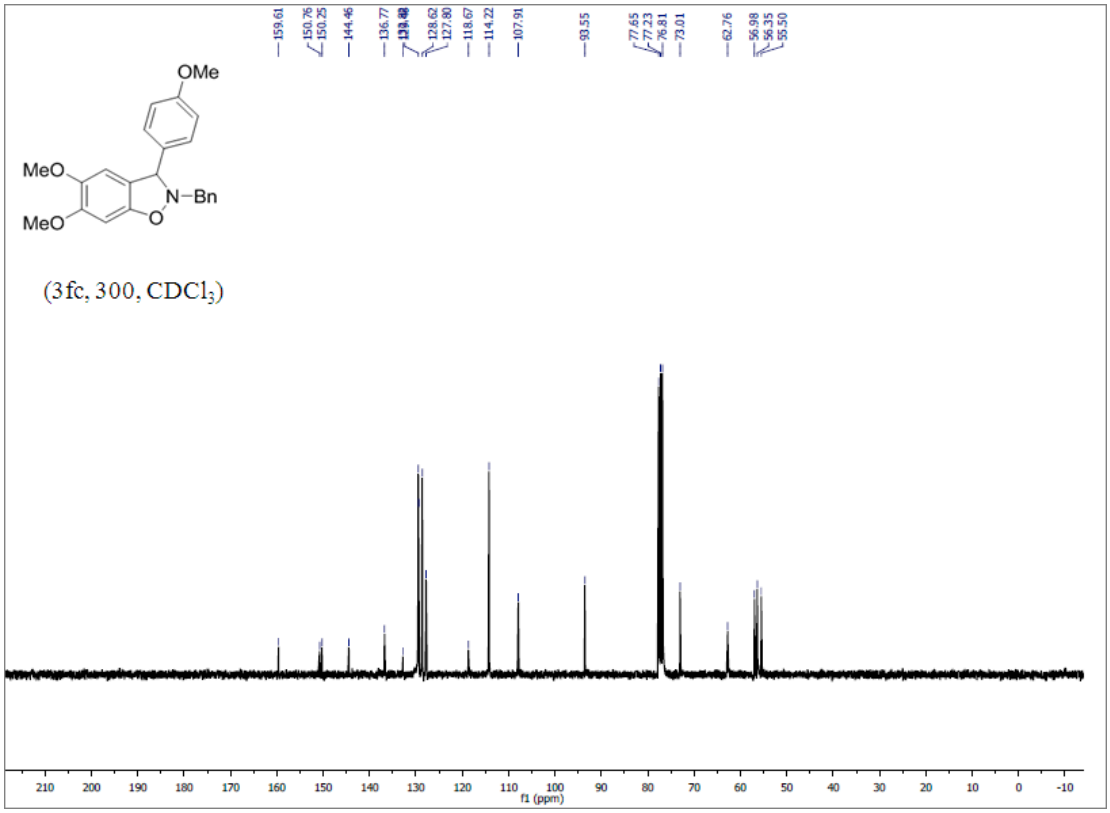

(3w, 300, CDCl3)
7.27
7.22
7.21
7.19
7.19
7.17
7.16
7.09
7.07
7.06
7.00
6.97
6.95
6.90
6.87
3.41
3.37
2.67
2.63
2.59
2.25
1.81
1.53
1.35
1.30
1.27
1.25
1.23
0.00
0.00
1.02
1.02
1.02
1.00
0.99
1.08
1.11
1.18
1.19
3.43
4.58
f1 (ppm)

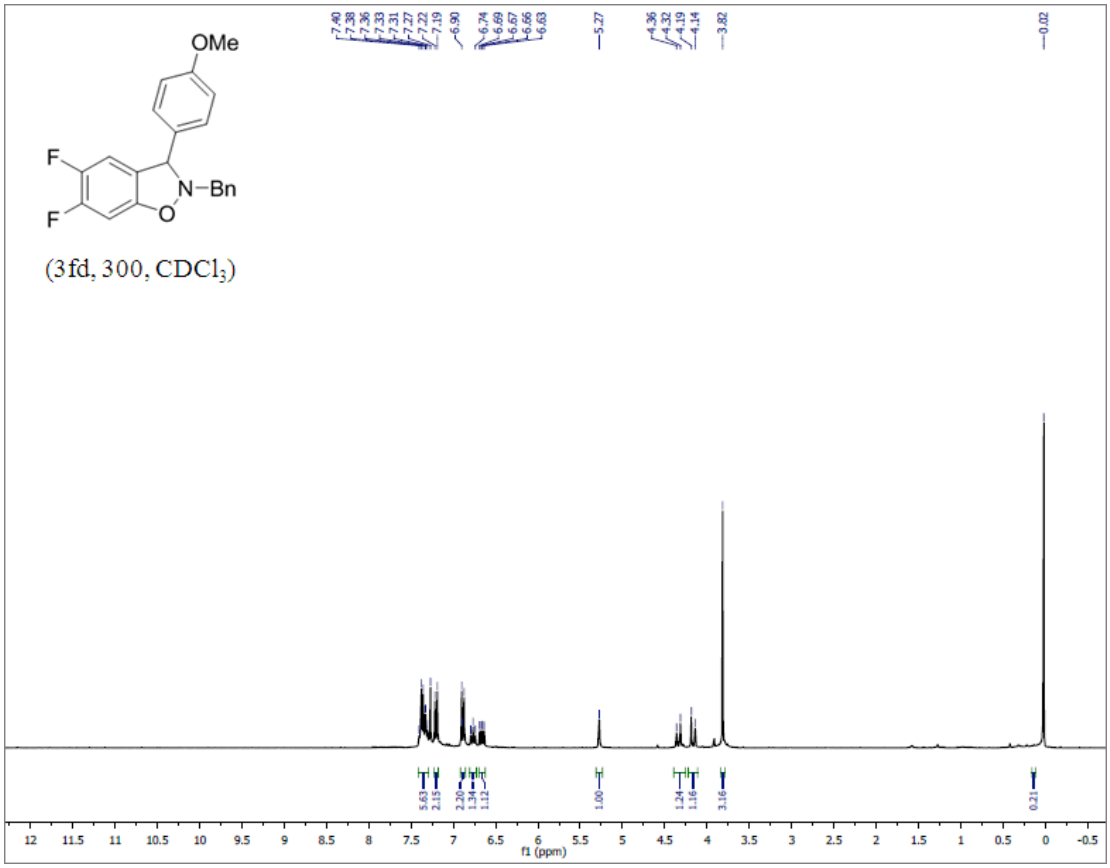

(3w, 300, CDCl3)
157.22
133.39
128.21
121.77
121.70
109.94
77.65
77.23
76.81
67.00
52.73
32.81
30.01
23.48
20.48
0.16
f1 (ppm)

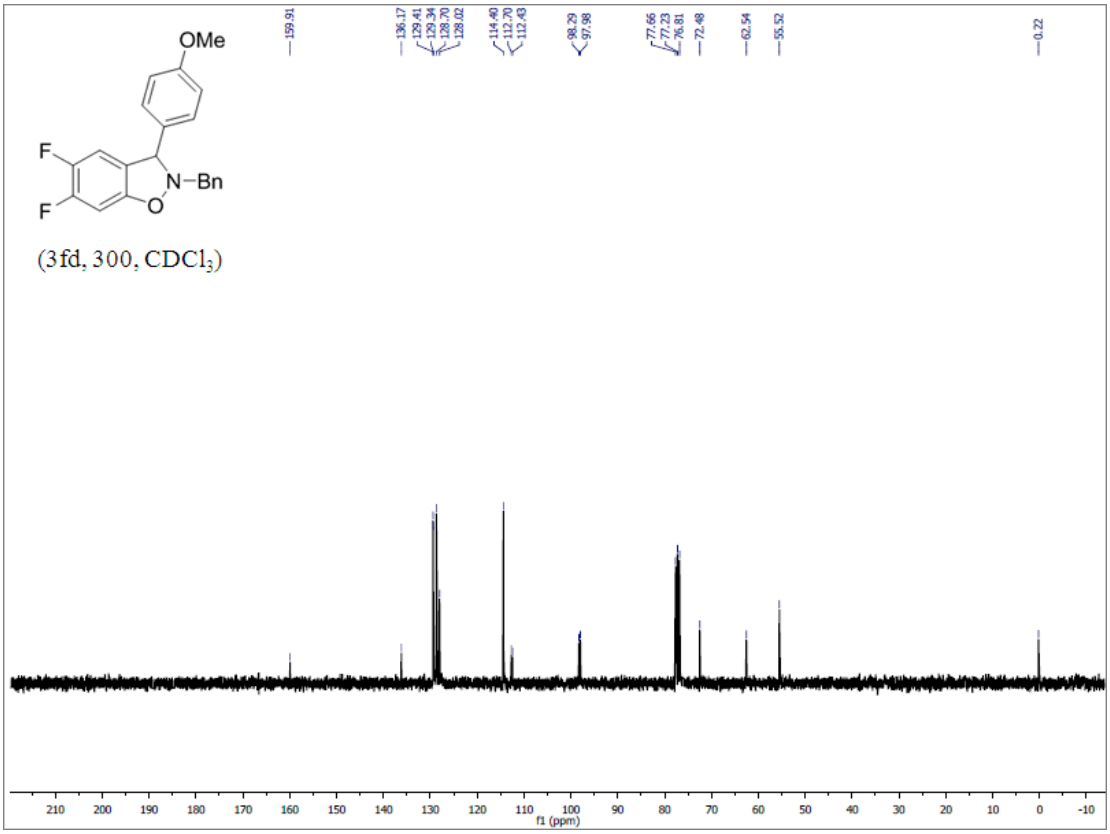

OMe
Me
Me
N−Bn
O
(3fb, 300, CDCl3)
f1 (ppm)

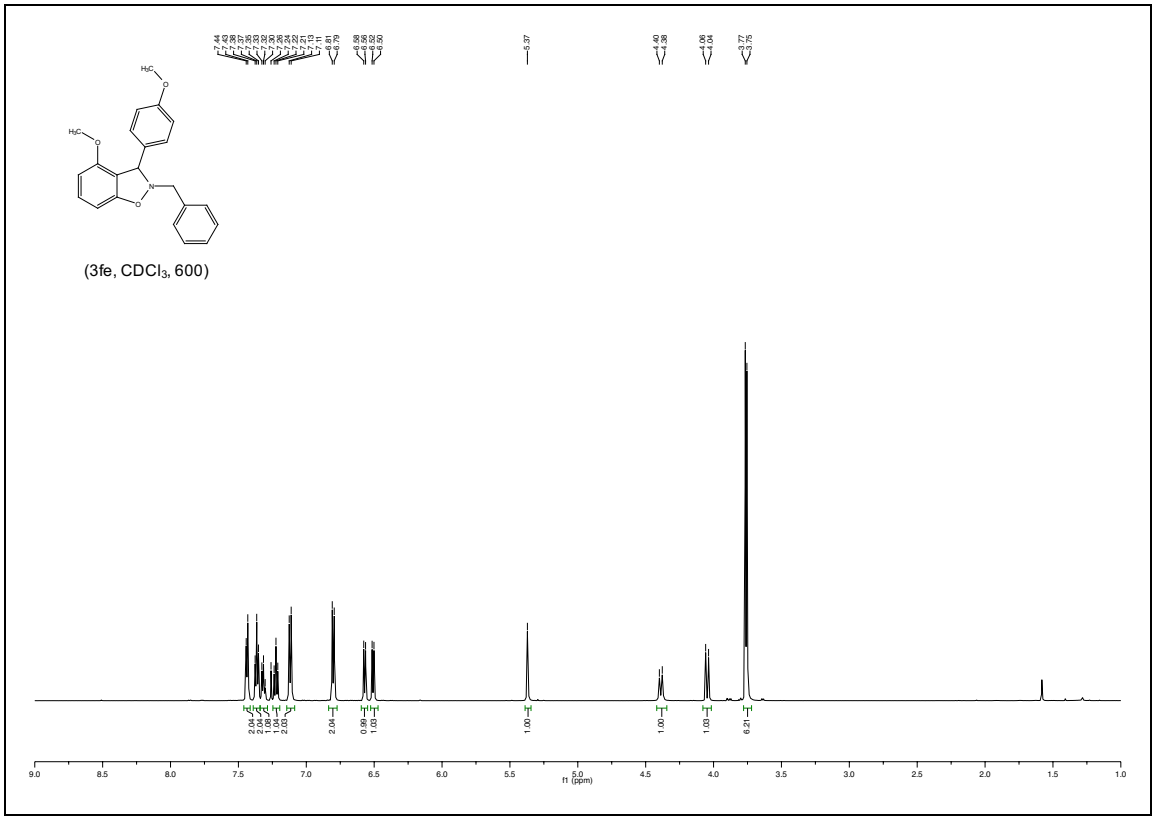

OMe
Me
Me
N−Bn
O
(3fb, 300, CDCl3)
f1 (ppm)

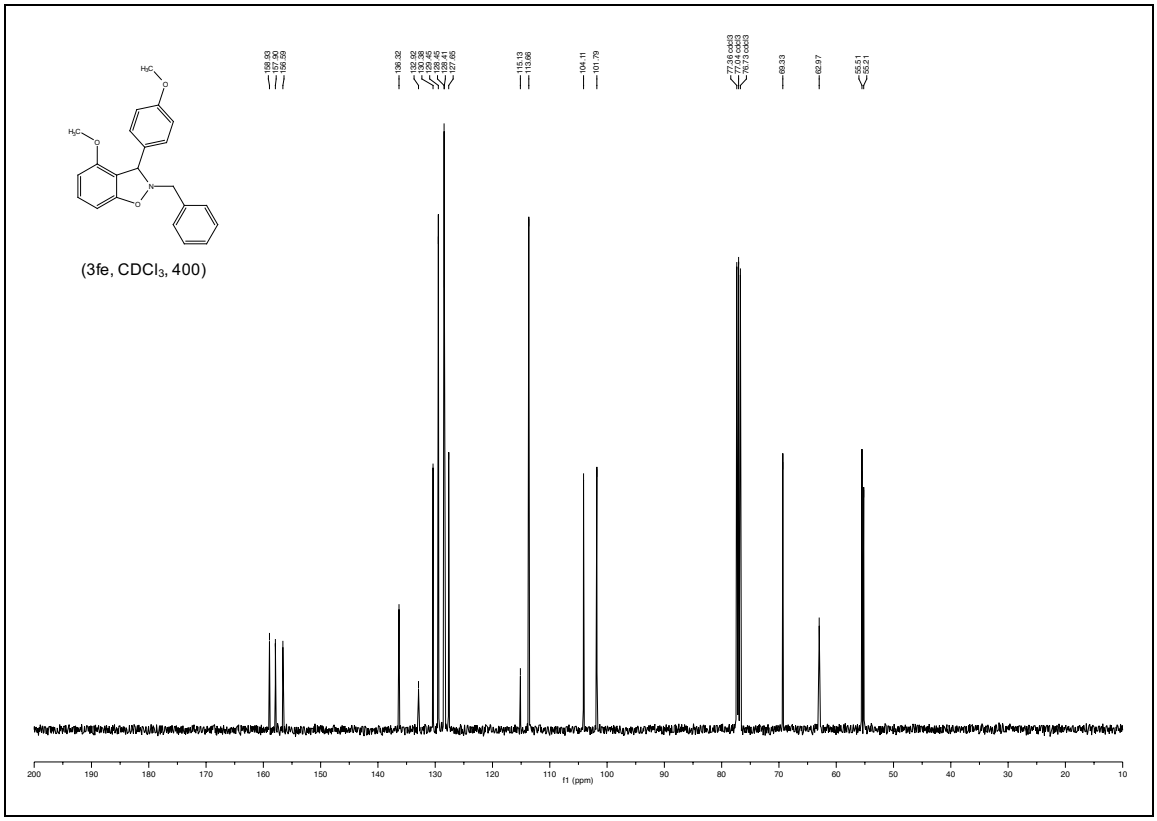

OMe
MeO
MeO
N−Bn
O
(3fc, 300, CDCl3)
f1 (ppm)


OMe
MeO
MeO
N−Bn
O
(3fc, 300, CDCl3)
f1 (ppm)


OMe
F
F
N−Bn
O
(3fd, 300, CDCl3)
f1 (ppm)


OMe
F
F
N−Bn
O
(3fd, 300, CDCl3)
f1 (ppm)


(3fe, CDCl3, 600)
f1 (ppm)


(3fe, CDCl3, 400)
f1 (ppm)