

## Supporting Information

# CATALYST-FREE SYNTHESIS OF 1-PHENYLNAPHTHO[2,1-B]FURAN DERIVATIVES UNDER MICROWAVE IRRADIATION

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### Spectra of Products

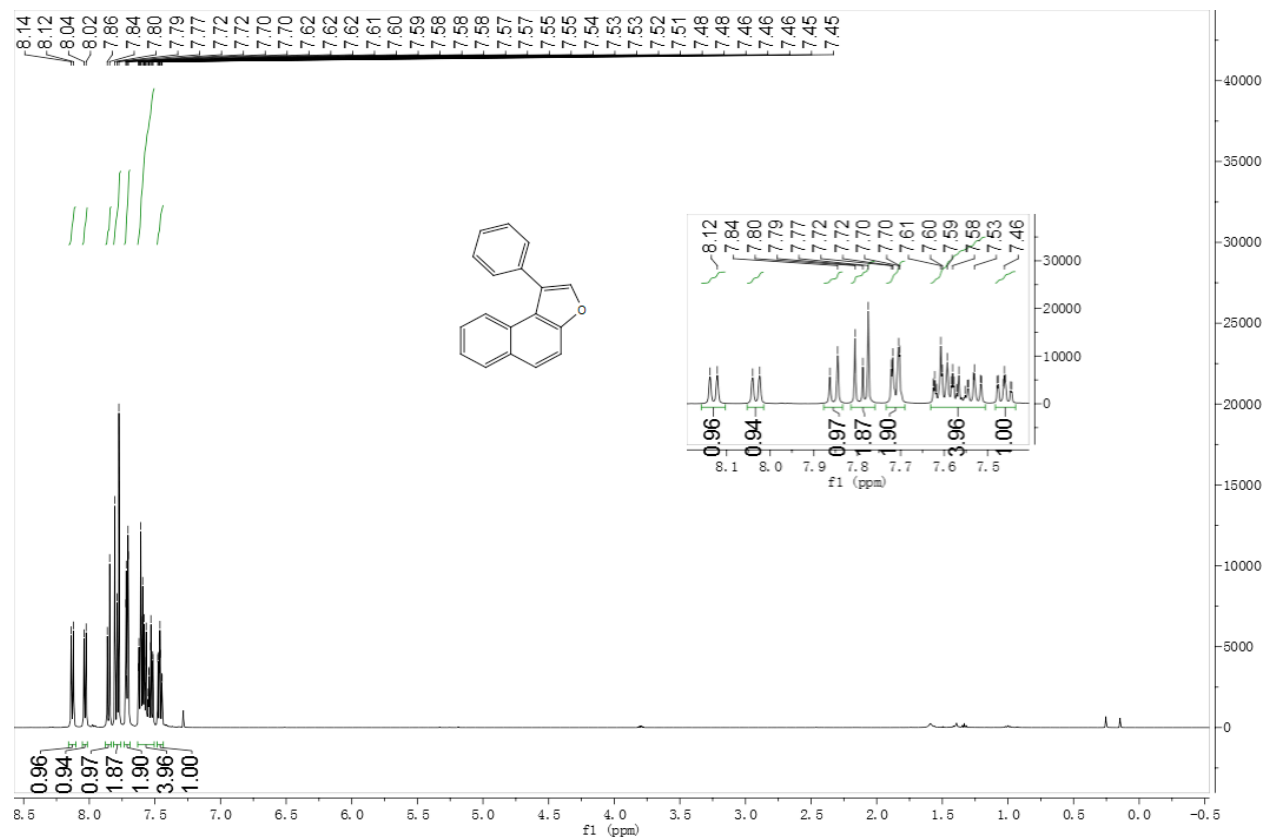
<sup>1</sup> H NMR of 1-phenylnaphtho[2,1-b]furan (3a) in CDCl <sub>3</sub> .....	S4
<sup>13</sup> C NMR of 1-phenylnaphtho[2,1-b]furan (3a) in CDCl <sub>3</sub> .....	S5

<sup>1</sup> H NMR of 1-(p-tolyl)naphtho[2,1-b]furan (3b) in CDCl <sub>3</sub> .....	S6
<sup>13</sup> C NMR of 1-(p-tolyl)naphtho[2,1-b]furan (3b) in CDCl <sub>3</sub> .....	S7
<sup>1</sup> H NMR of 1-(2-nitrophenyl)naphtho[2,1-b]furan (3c) in CDCl <sub>3</sub> .....	S8
<sup>13</sup> C NMR of 1-(2-nitrophenyl)naphtho[2,1-b]furan (3c) in CDCl <sub>3</sub> .....	S9
<sup>1</sup> H NMR of 1-(4-nitrophenyl)naphtho[2,1-b]furan (3d) in CDCl <sub>3</sub> .....	S10
<sup>13</sup> C NMR of 1-(4-nitrophenyl)naphtho[2,1-b]furan (3d) in CDCl <sub>3</sub> .....	S11
<sup>1</sup> H NMR of 1-(3-nitrophenyl)naphtho[2,1-b]furan (3e) in CDCl <sub>3</sub> .....	S12
<sup>13</sup> C NMR of 1-(3-nitrophenyl)naphtho[2,1-b]furan (3e) in CDCl <sub>3</sub> .....	S13
<sup>1</sup> H NMR of 1-(4-methoxyphenyl)naphtho[2,1-b]furan (3f) in CDCl <sub>3</sub> .....	S14
<sup>13</sup> C NMR of 1-(4-methoxyphenyl)naphtho[2,1-b]furan (3f) in CDCl <sub>3</sub> .....	S15
<sup>1</sup> H NMR of 1-(2-methoxyphenyl)naphtho[2,1-b]furan (3g) in CDCl <sub>3</sub> .....	S16
<sup>13</sup> C NMR of 1-(2-methoxyphenyl)naphtho[2,1-b]furan (3g) in CDCl <sub>3</sub> .....	S17
<sup>1</sup> H NMR of 1-(2-chlorophenyl)naphtho[2,1-b]furan (3h) in CDCl <sub>3</sub> .....	S18
<sup>13</sup> C NMR of 1-(2-chlorophenyl)naphtho[2,1-b]furan (3h) in CDCl <sub>3</sub> .....	S19
<sup>1</sup> H NMR of 1-(4-chlorophenyl)naphtho[2,1-b]furan (3i) in CDCl <sub>3</sub> .....	S20
<sup>13</sup> C NMR of 1-(4-chlorophenyl)naphtho[2,1-b]furan (3i) in CDCl <sub>3</sub> .....	S21
<sup>1</sup> H NMR of 1-(4-bromophenyl)naphtho[2,1-b]furan (3j) in CDCl <sub>3</sub> .....	S22

<sup>13</sup> C NMR of 1-(4-bromophenyl)naphtho[2,1-b]furan (3j) in CDCl <sub>3</sub> .....	S23
<sup>1</sup> H NMR of 1-(naphthalen-1-yl)naphtho[2,1-b]furan (3k) in CDCl <sub>3</sub> .....	S24
<sup>13</sup> C NMR of 1-(naphthalen-1-yl)naphtho[2,1-b]furan (3k) in CDCl <sub>3</sub> .....	S25
<sup>1</sup> H NMR of 3-(p-tolyl)naphtho[1,2-b]furan (3l) in CDCl <sub>3</sub> .....	S26
<sup>13</sup> C NMR of 3-(p-tolyl)naphtho[1,2-b]furan (3l) in CDCl <sub>3</sub> .....	S27
<sup>1</sup> H NMR of 1-(p-tolyl)naphtho[2,1-b]furan-8-ol (3m) in CDCl <sub>3</sub> .....	S28
<sup>13</sup> C NMR of 1-(p-tolyl)naphtho[2,1-b]furan-8-ol (3m) in CDCl <sub>3</sub> .....	S29
<sup>1</sup> H NMR of 7-bromo-1-(p-tolyl)naphtho[2,1-b]furan (3n) in CDCl <sub>3</sub> .....	S30
<sup>13</sup> C NMR of 7-bromo-1-(p-tolyl)naphtho[2,1-b]furan (3n) in CDCl <sub>3</sub> .....	S31
<sup>1</sup> H NMR of 8-methoxy-1-(p-tolyl)naphtho[2,1-b]furan (3o) in CDCl <sub>3</sub> .....	S32
<sup>13</sup> C NMR of 8-methoxy-1-(p-tolyl)naphtho[2,1-b]furan (3o) in CDCl <sub>3</sub> .....	S33

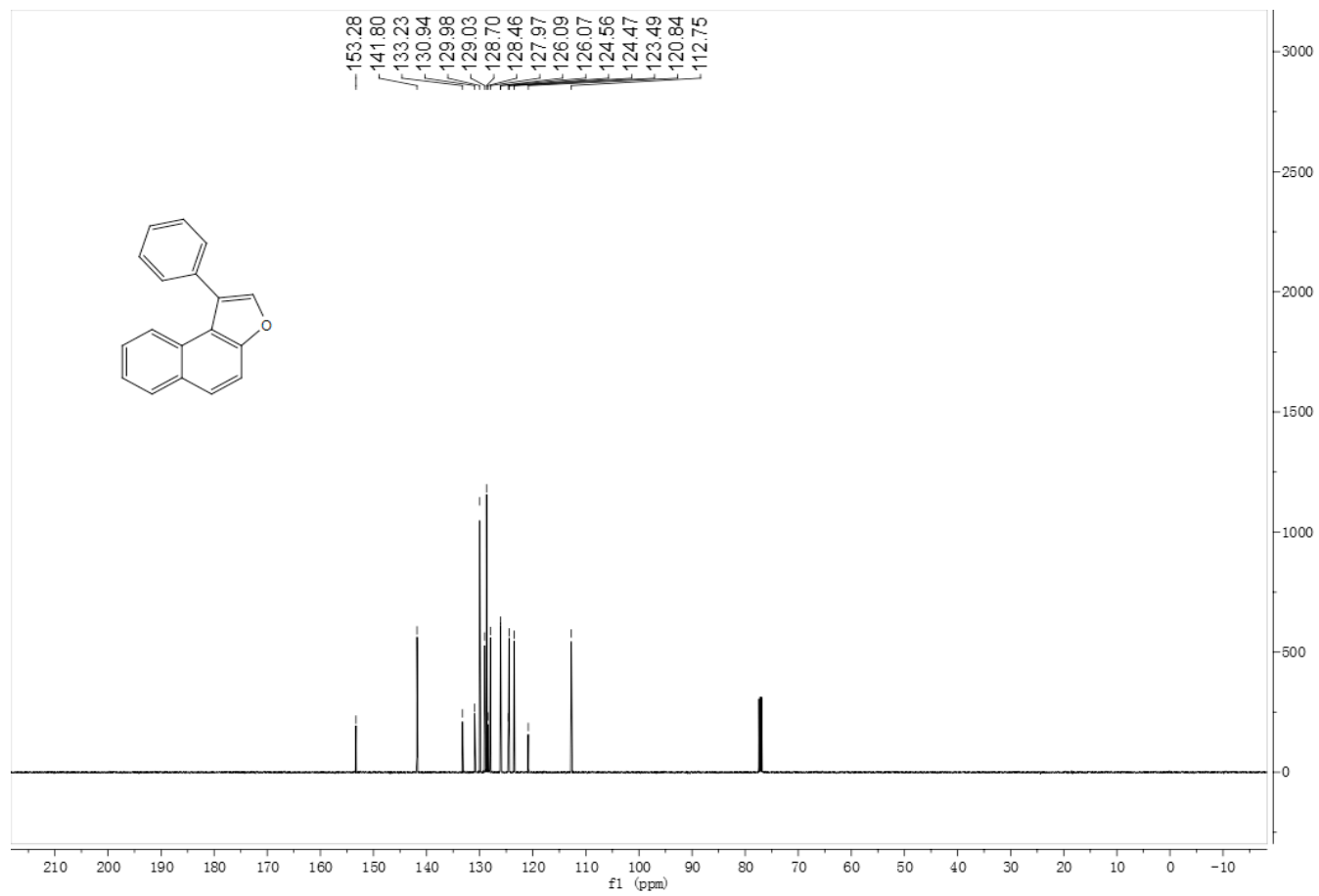
# 1-phenylnaphtho[2,1-b]furan (3a)

## <sup>1</sup>H NMR



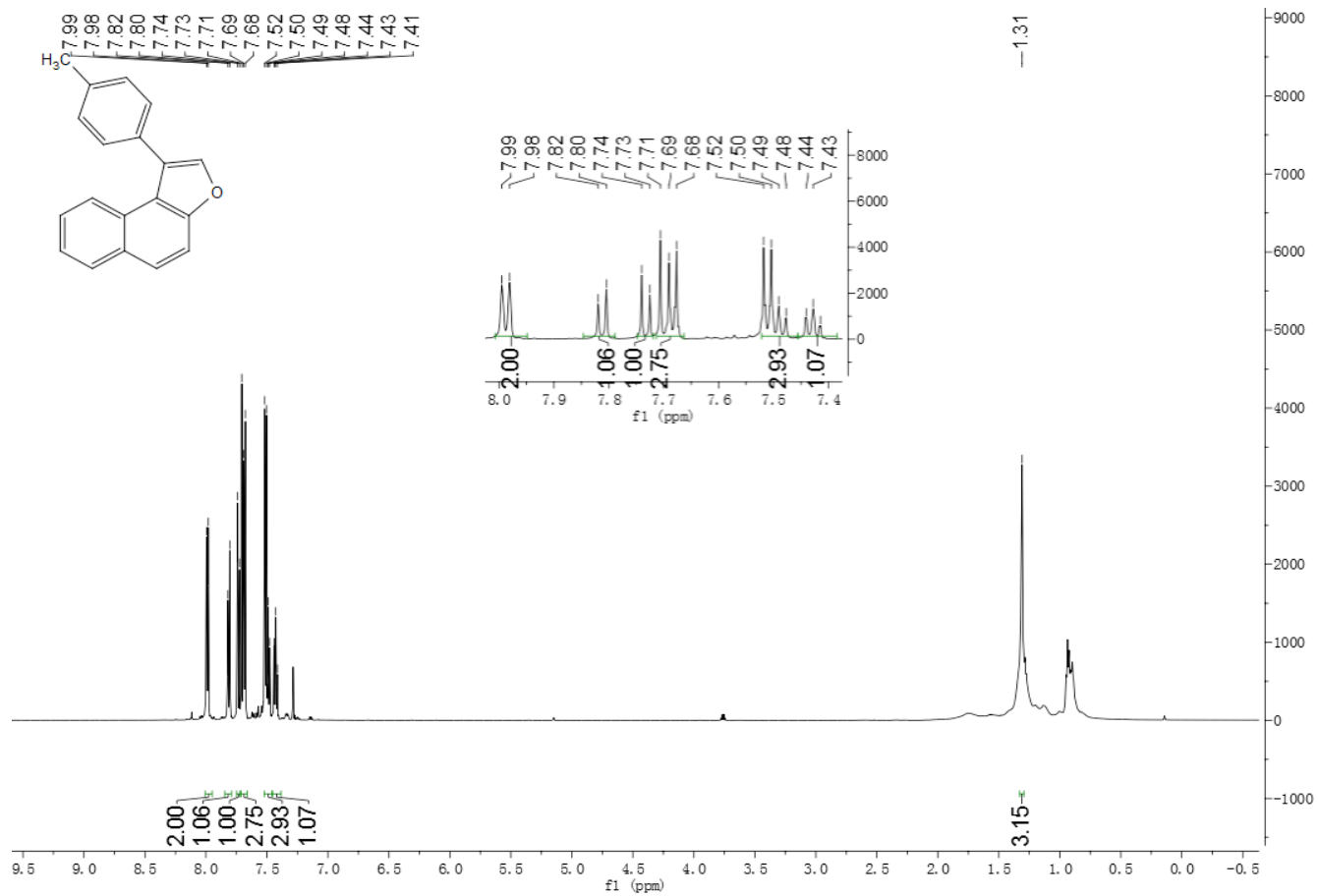
# 1-phenylnaphtho[2,1-b]furan (3a)

## $^{13}\text{C}$ NMR



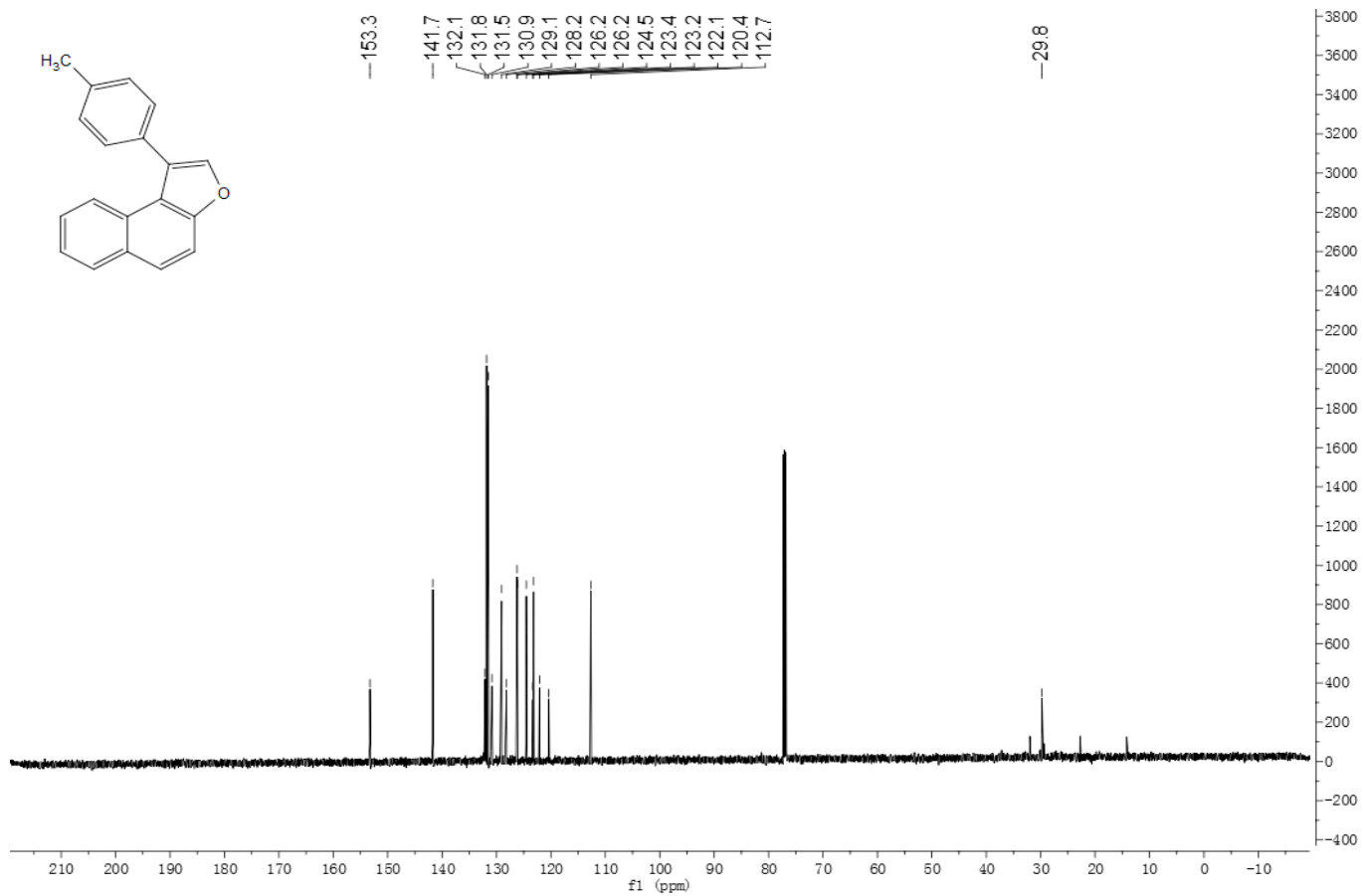
# 1-(p-tolyl)naphtho[2,1-b]furan (3b)

## <sup>1</sup>H NMR



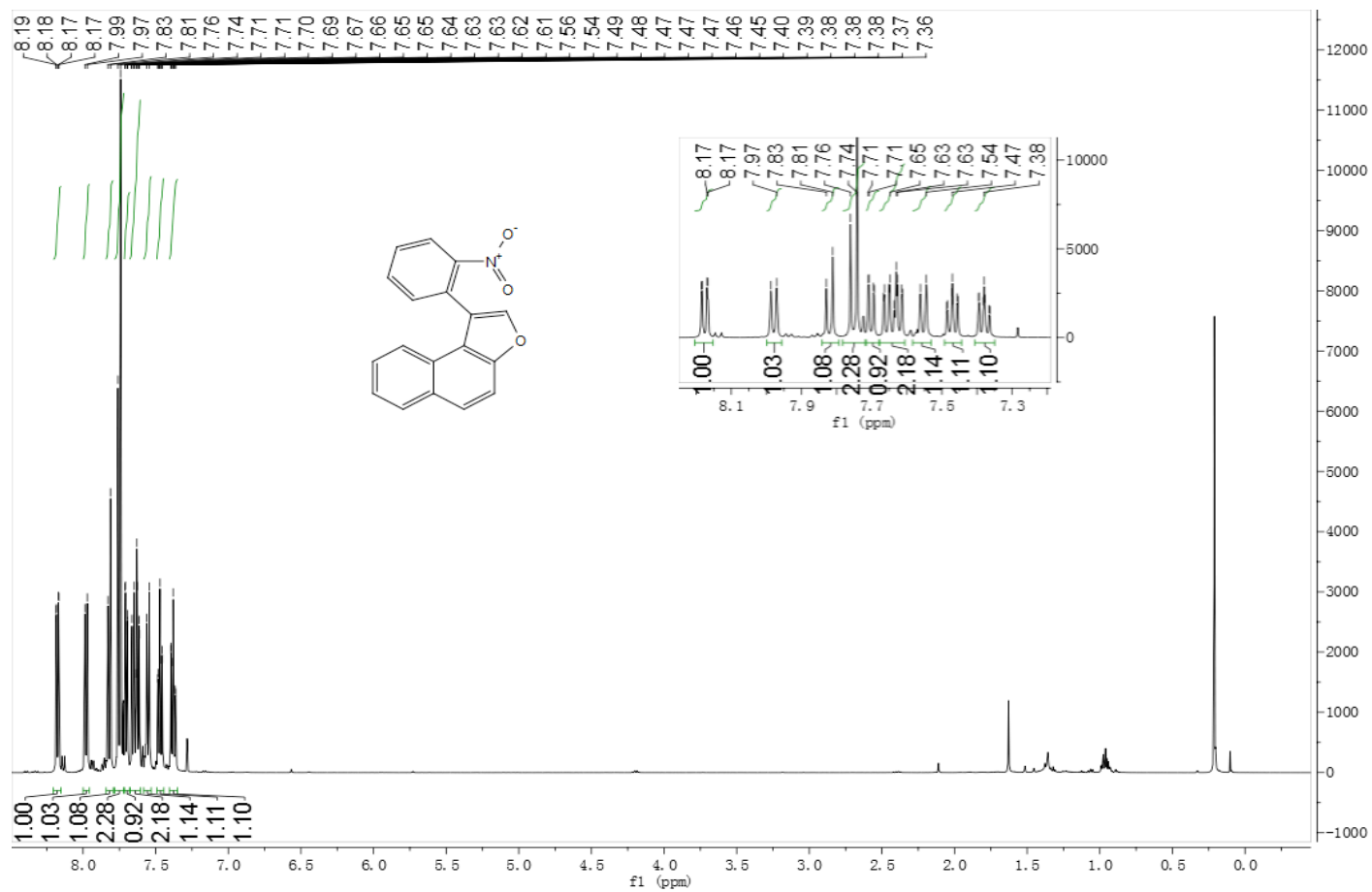
# 1-(p-tolyl)naphtho[2,1-b]furan (3b)

## $^{13}\text{C}$ NMR



# 1-(2-nitrophenyl)naphtho[2,1-b]furan (3c)

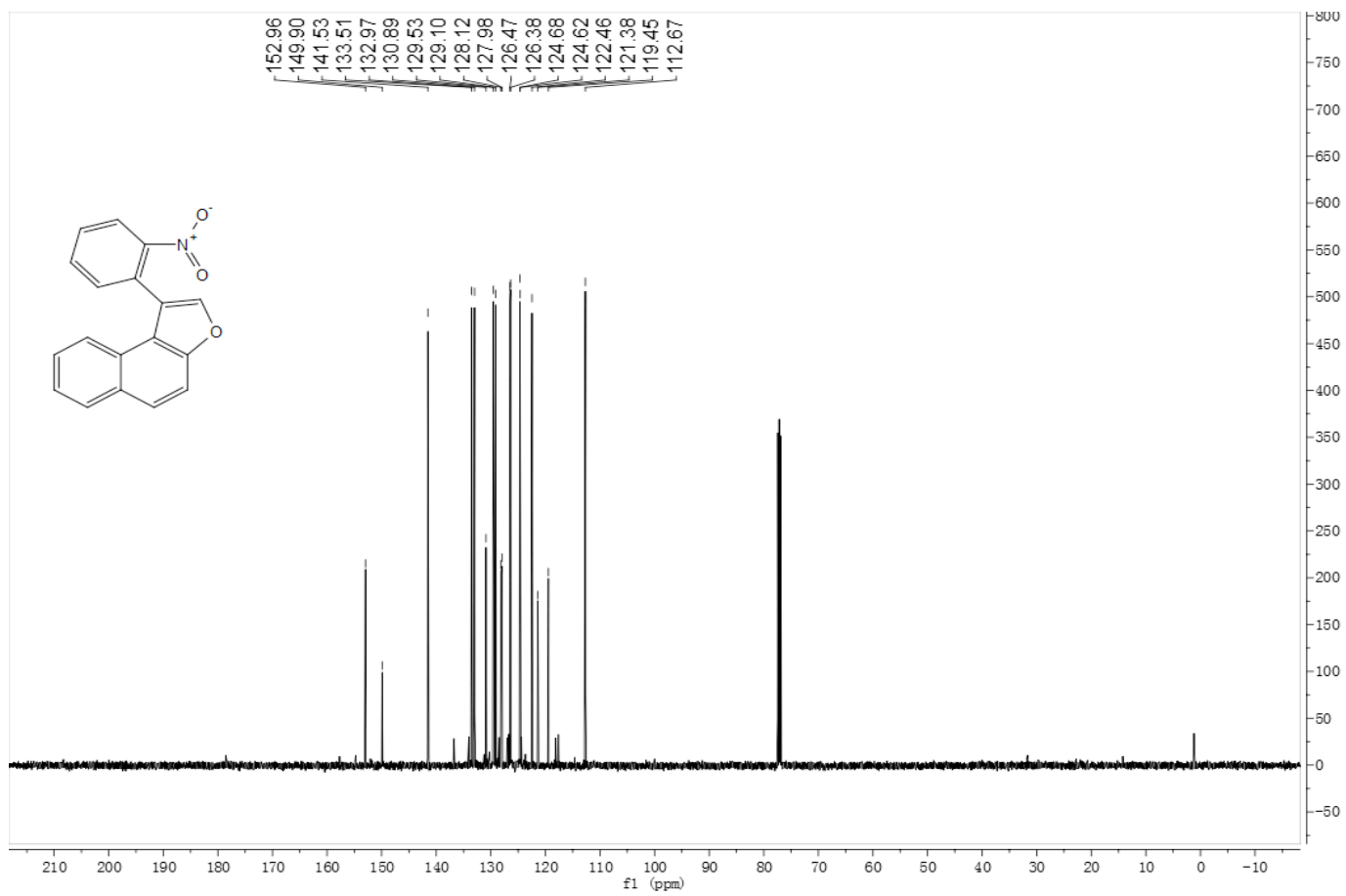
## <sup>1</sup>H NMR





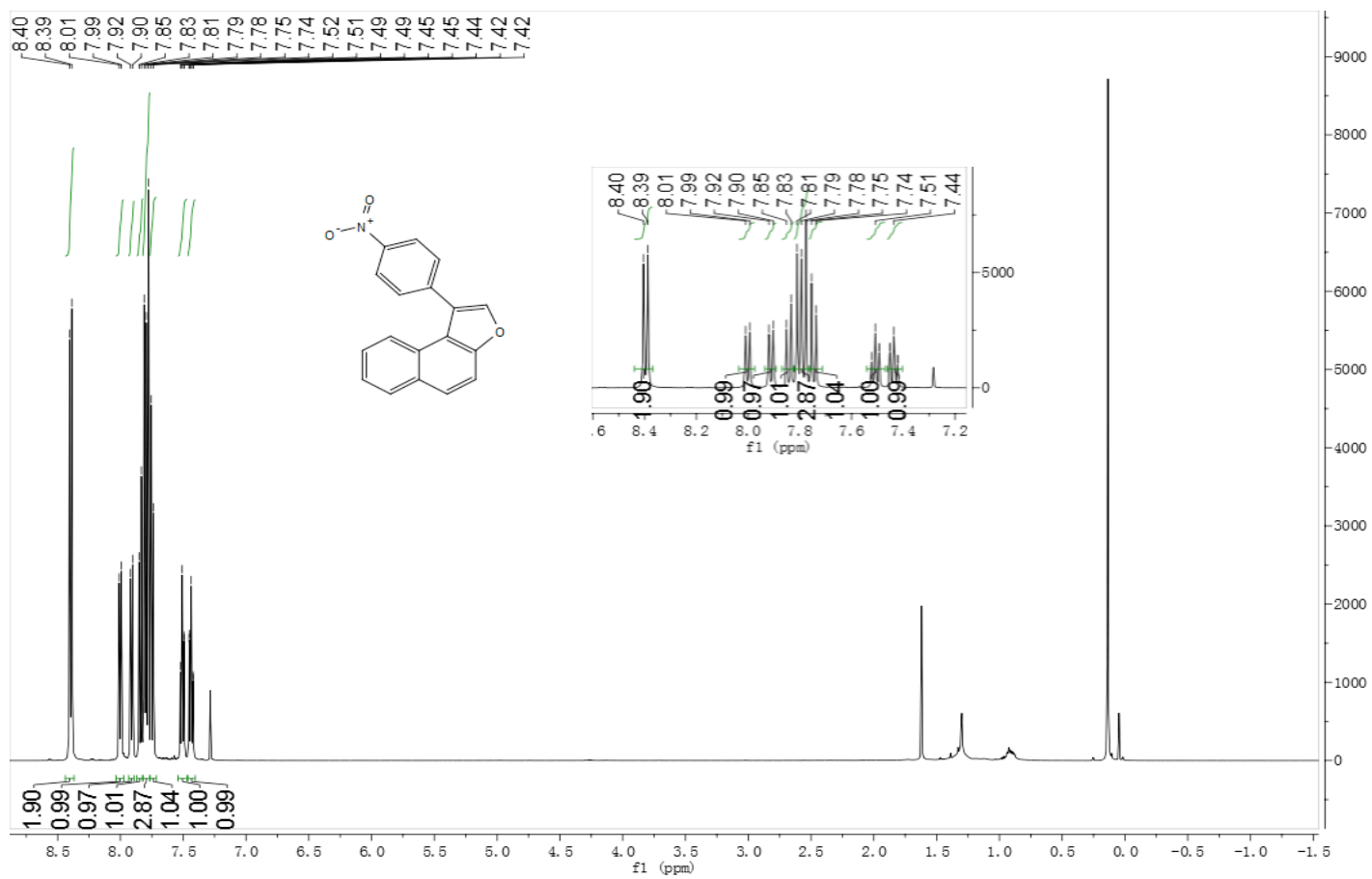
# 1-(2-nitrophenyl)naphtho[2,1-b]furan (3c)

## $^{13}\text{C}$ NMR



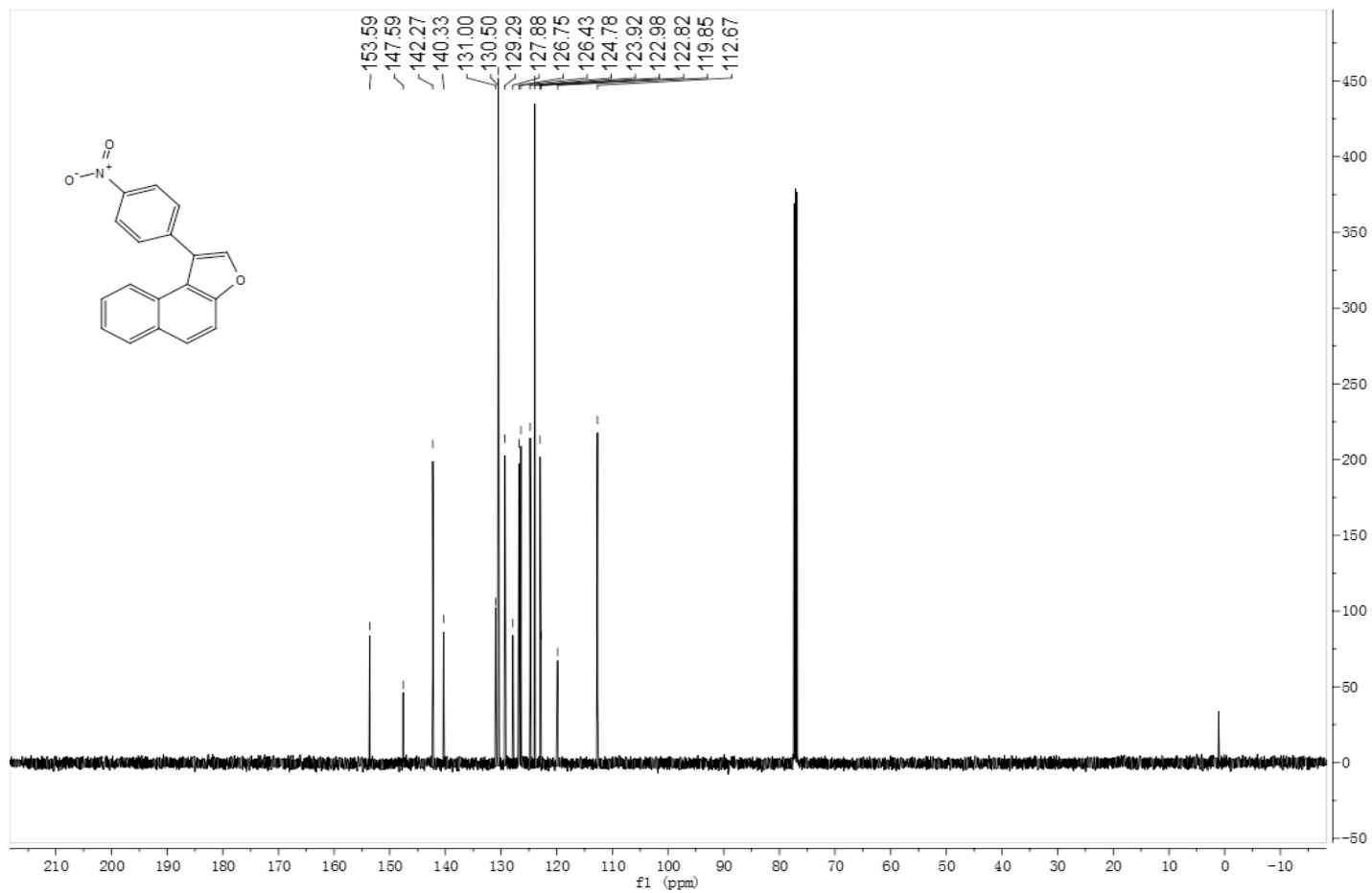
# 1-(4-nitrophenyl)naphtho[2,1-b]furan (3d)

## <sup>1</sup>H NMR



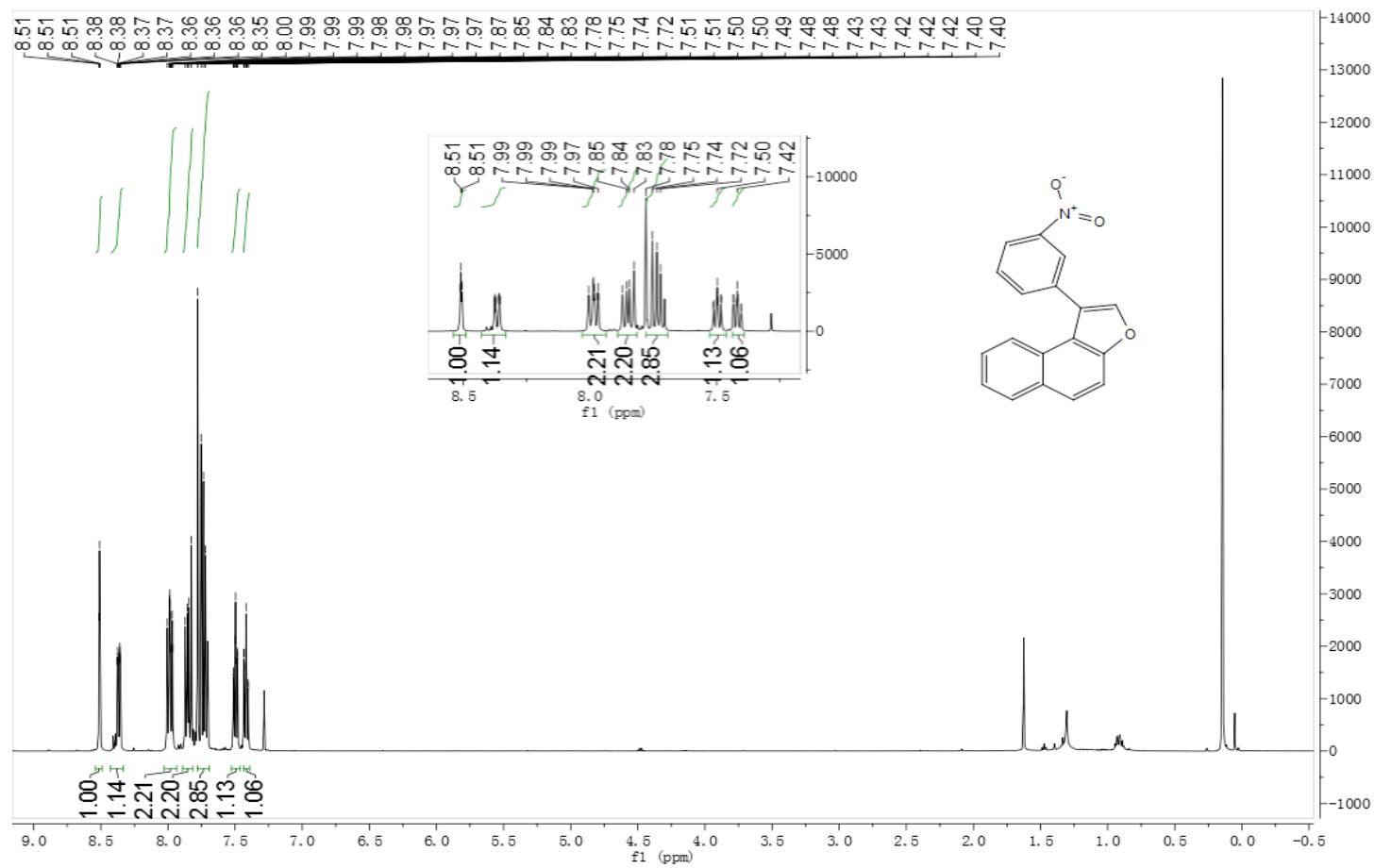
# 1-(4-nitrophenyl)naphtho[2,1-b]furan (3d)

## $^{13}\text{C}$ NMR



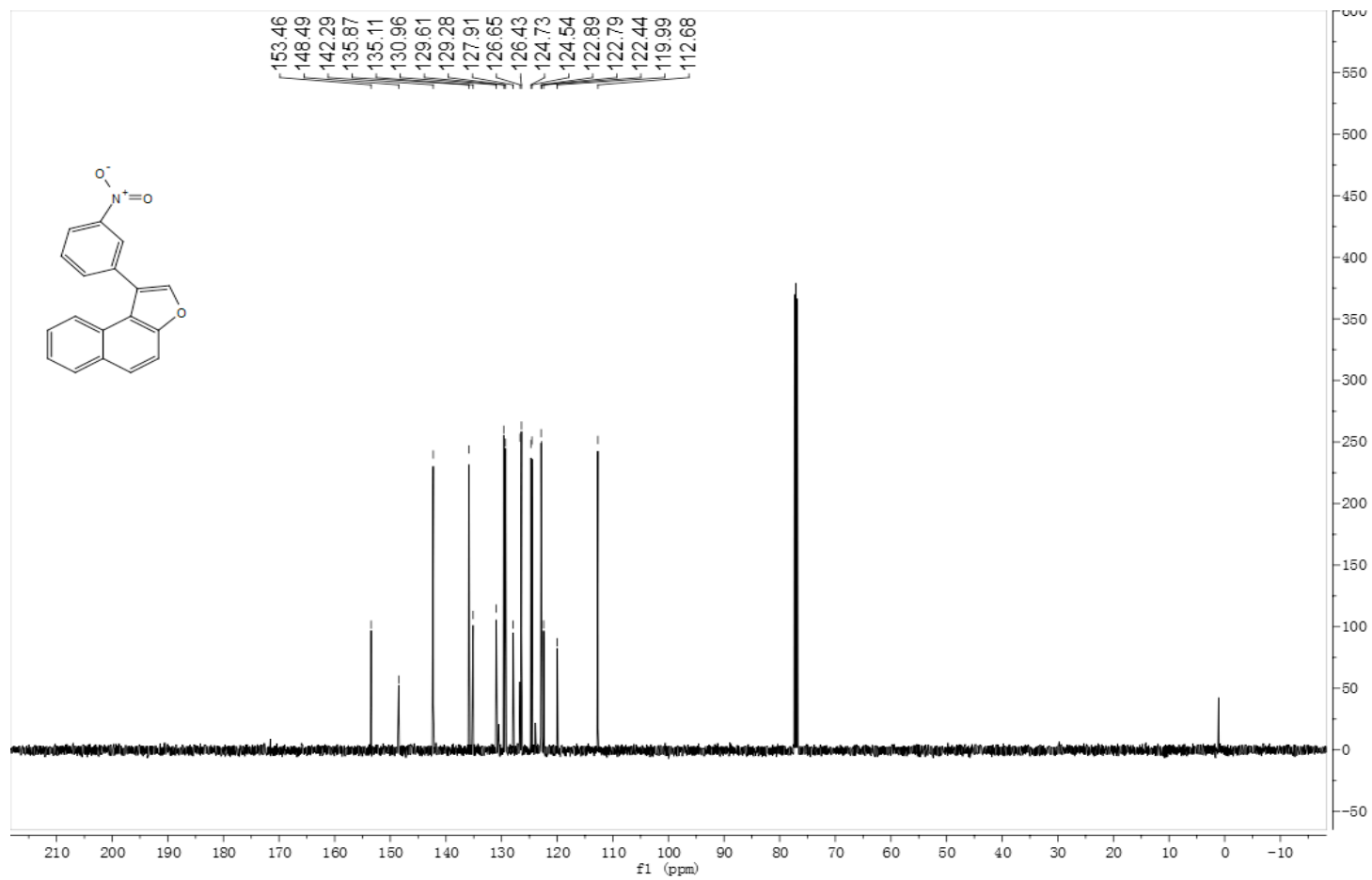
# 1-(3-nitrophenyl)naphtho[2,1-b]furan (3e)

## $^1\text{H}$ NMR



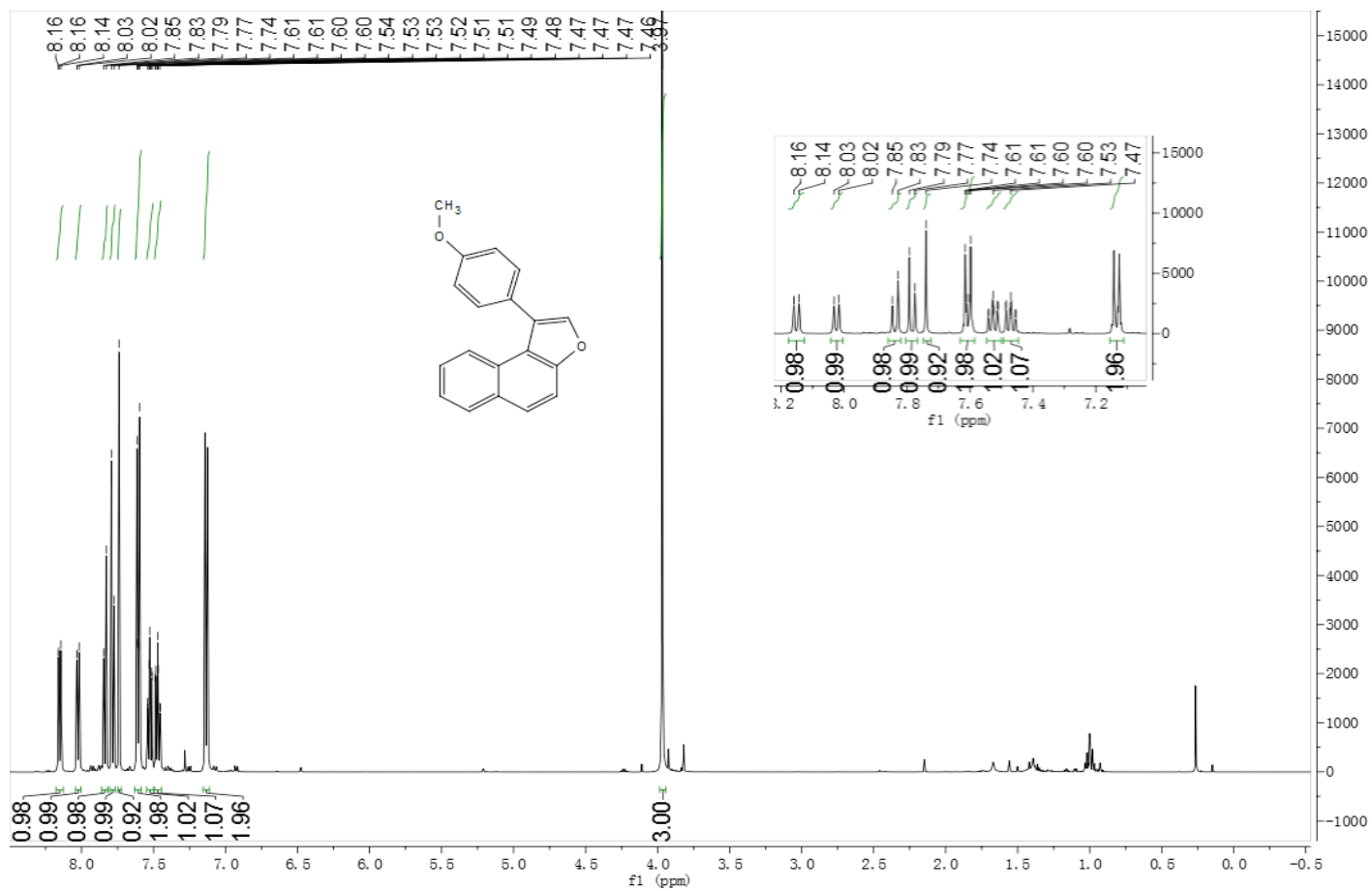
# 1-(3-nitrophenyl)naphtho[2,1-b]furan (3e)

## $^{13}\text{C}$ NMR



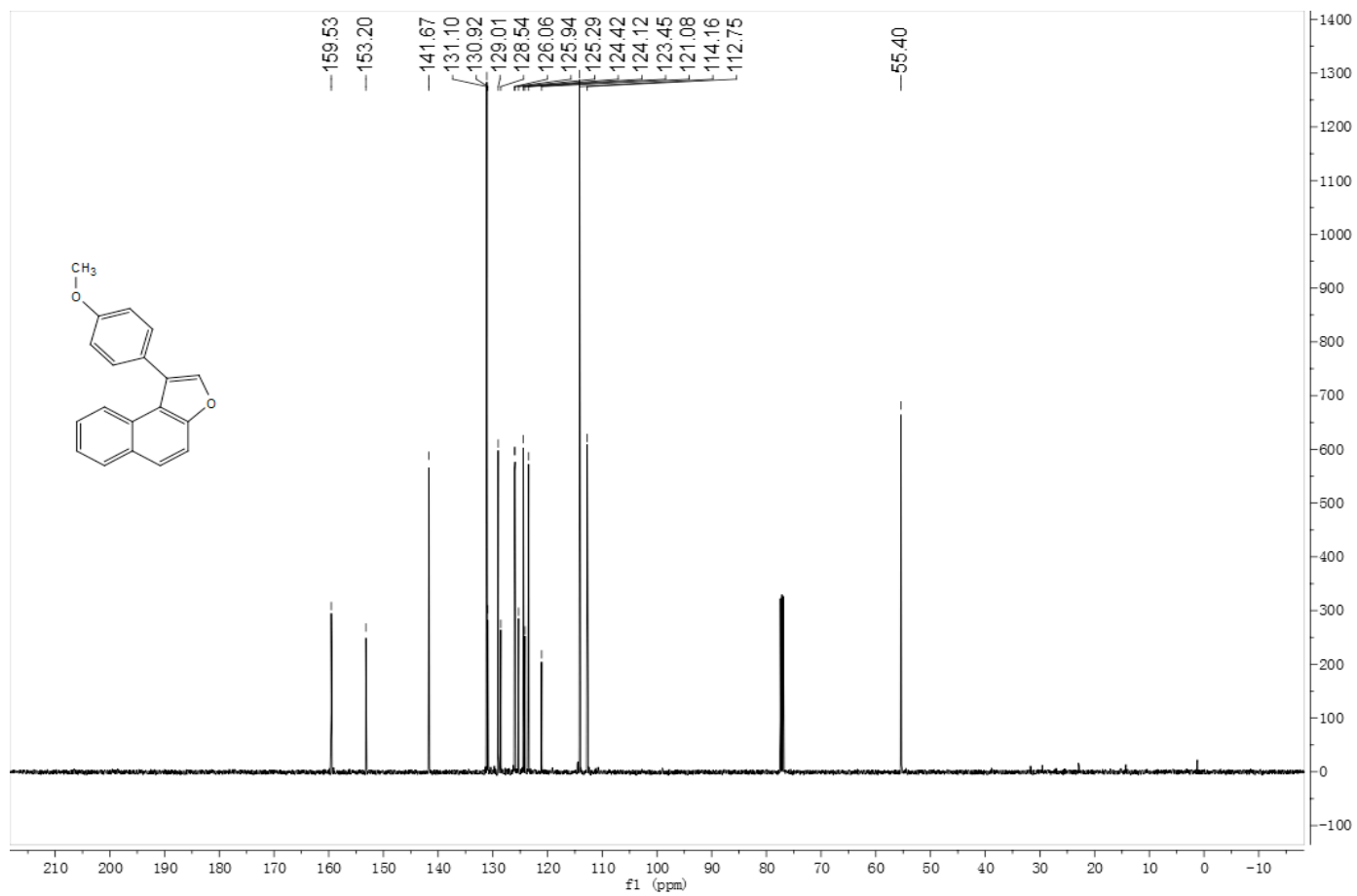
# 1-(4-methoxyphenyl)naphtho[2,1-b]furan (3f)

## $^1\text{H}$ NMR



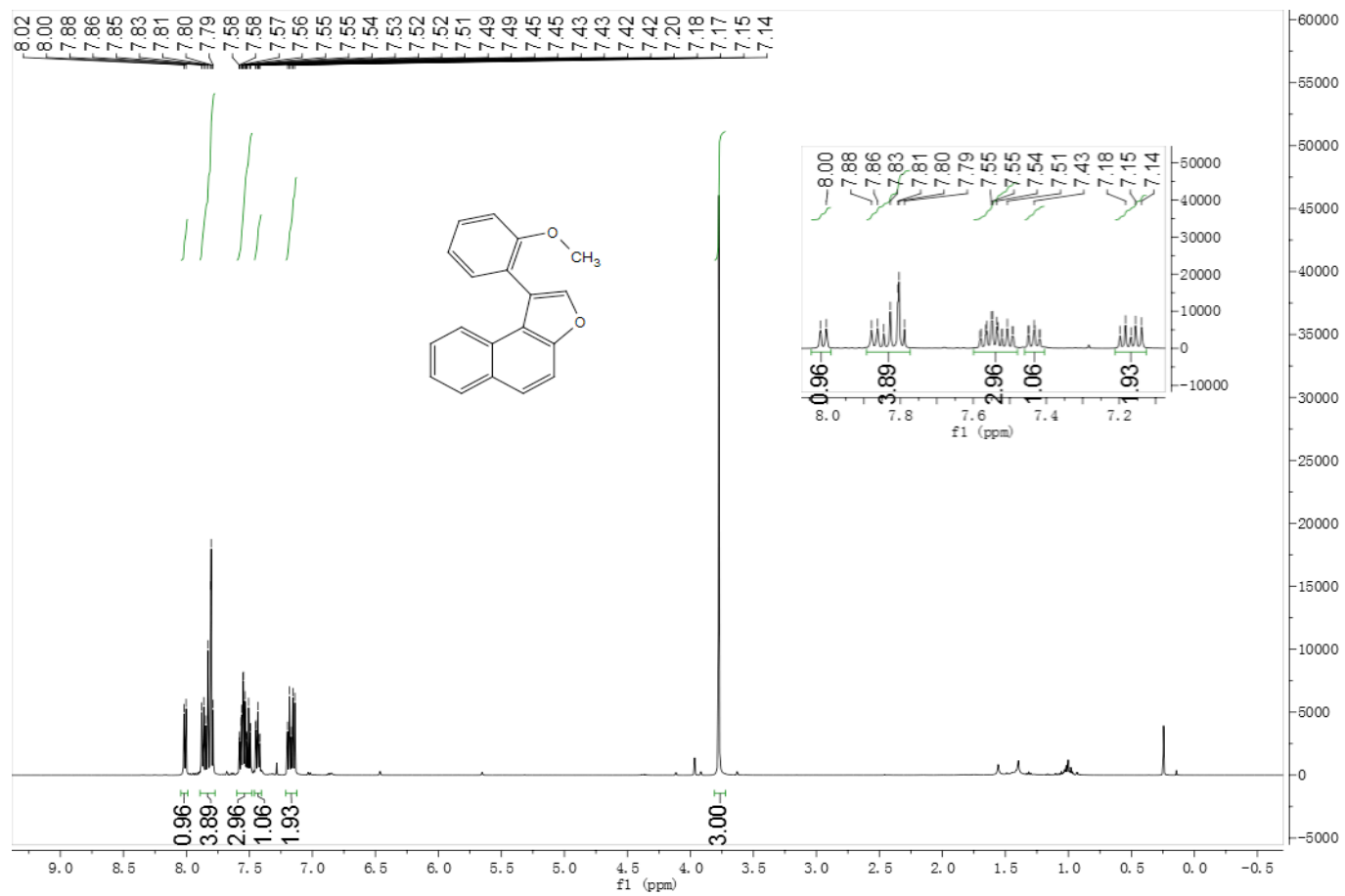
# 1-(4-methoxyphenyl)naphtho[2,1-b]furan (3f)

## $^{13}\text{C}$ NMR



# 1-(2-methoxyphenyl)naphtho[2,1-b]furan (3g)

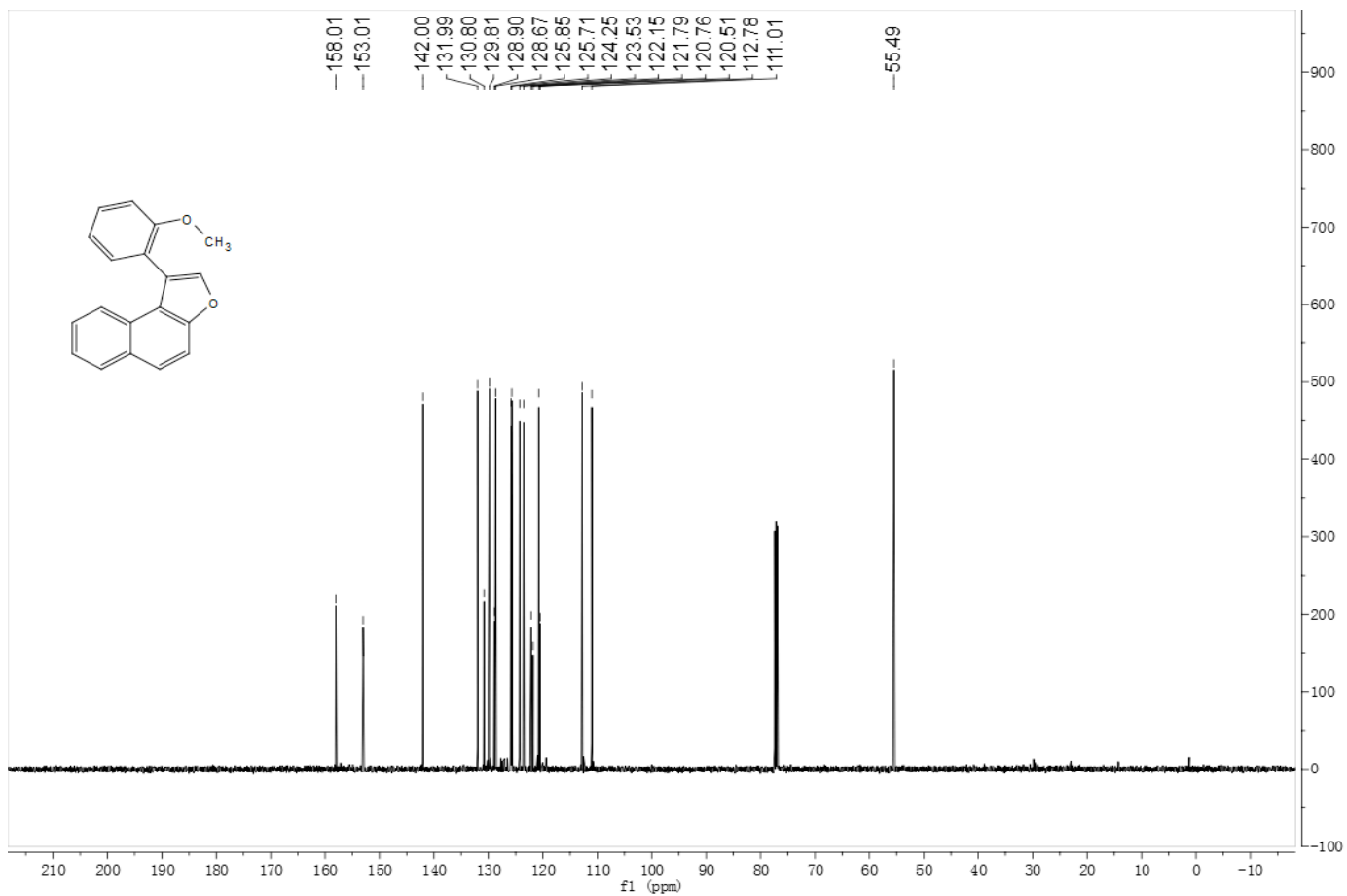
## $^1\text{H}$ NMR





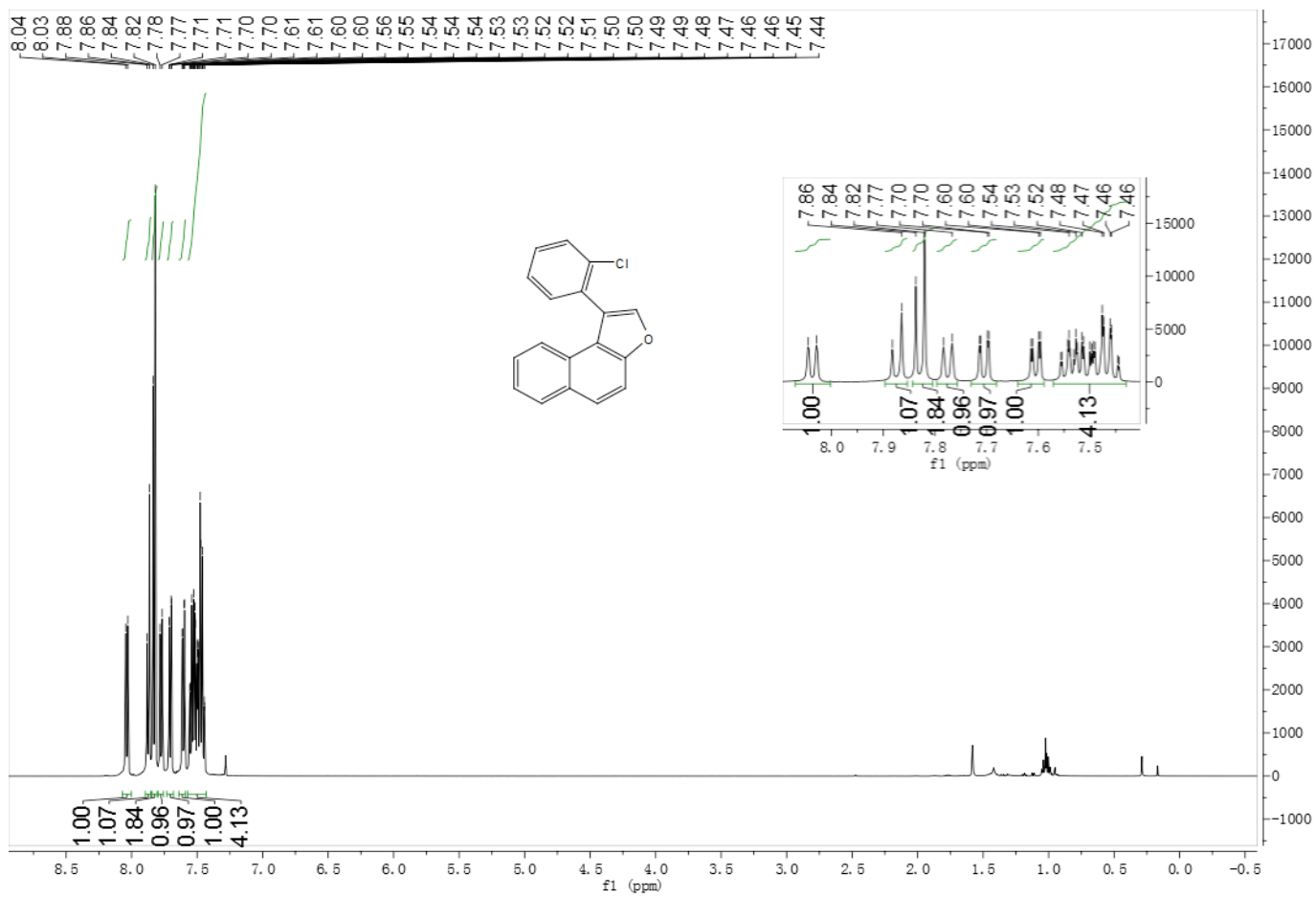
# 1-(2-methoxyphenyl)naphtho[2,1-b]furan (3g)

## <sup>13</sup>C NMR



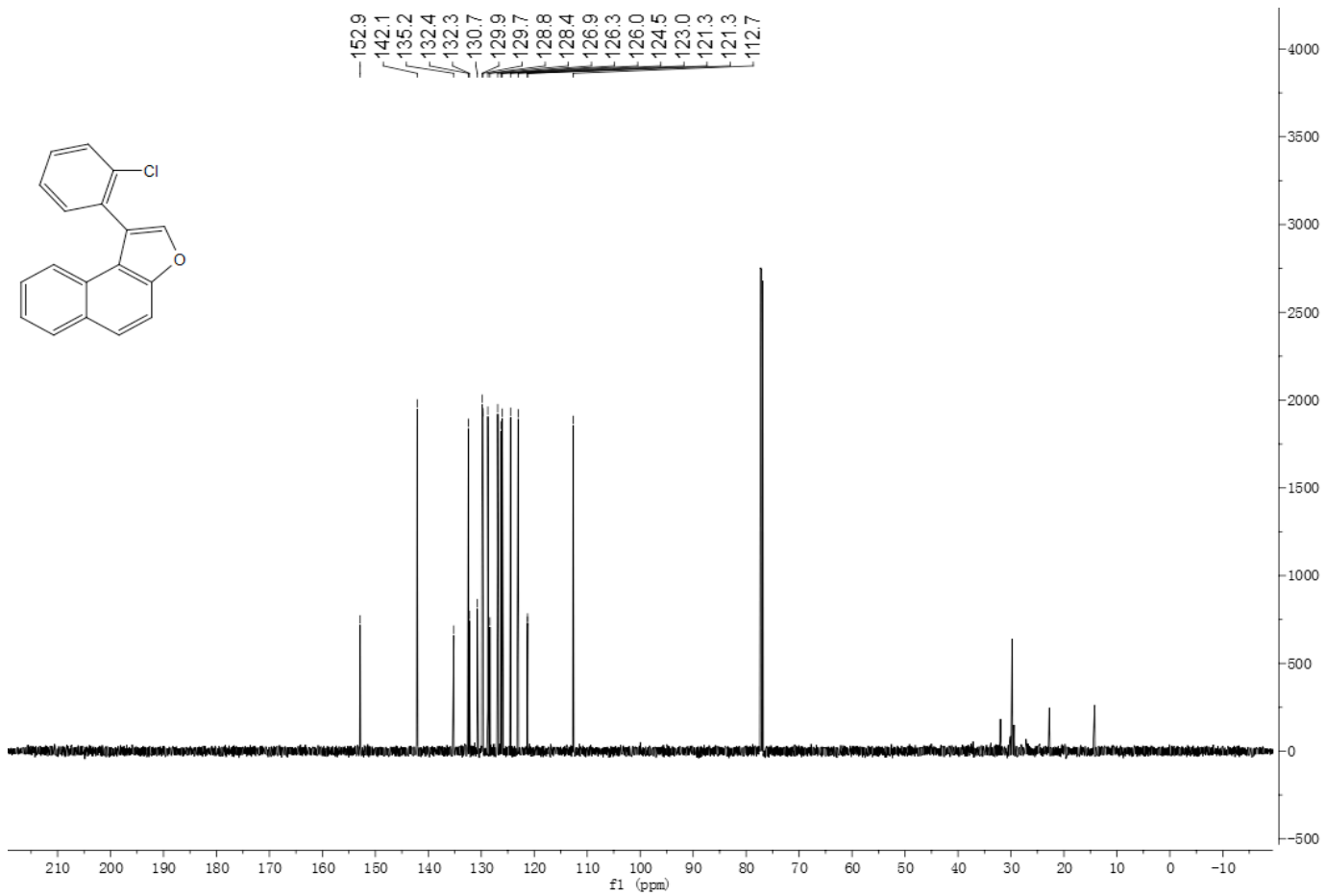
# 1-(2-chlorophenyl)naphtho[2,1-b]furan (3h)

## $^1\text{H}$ NMR



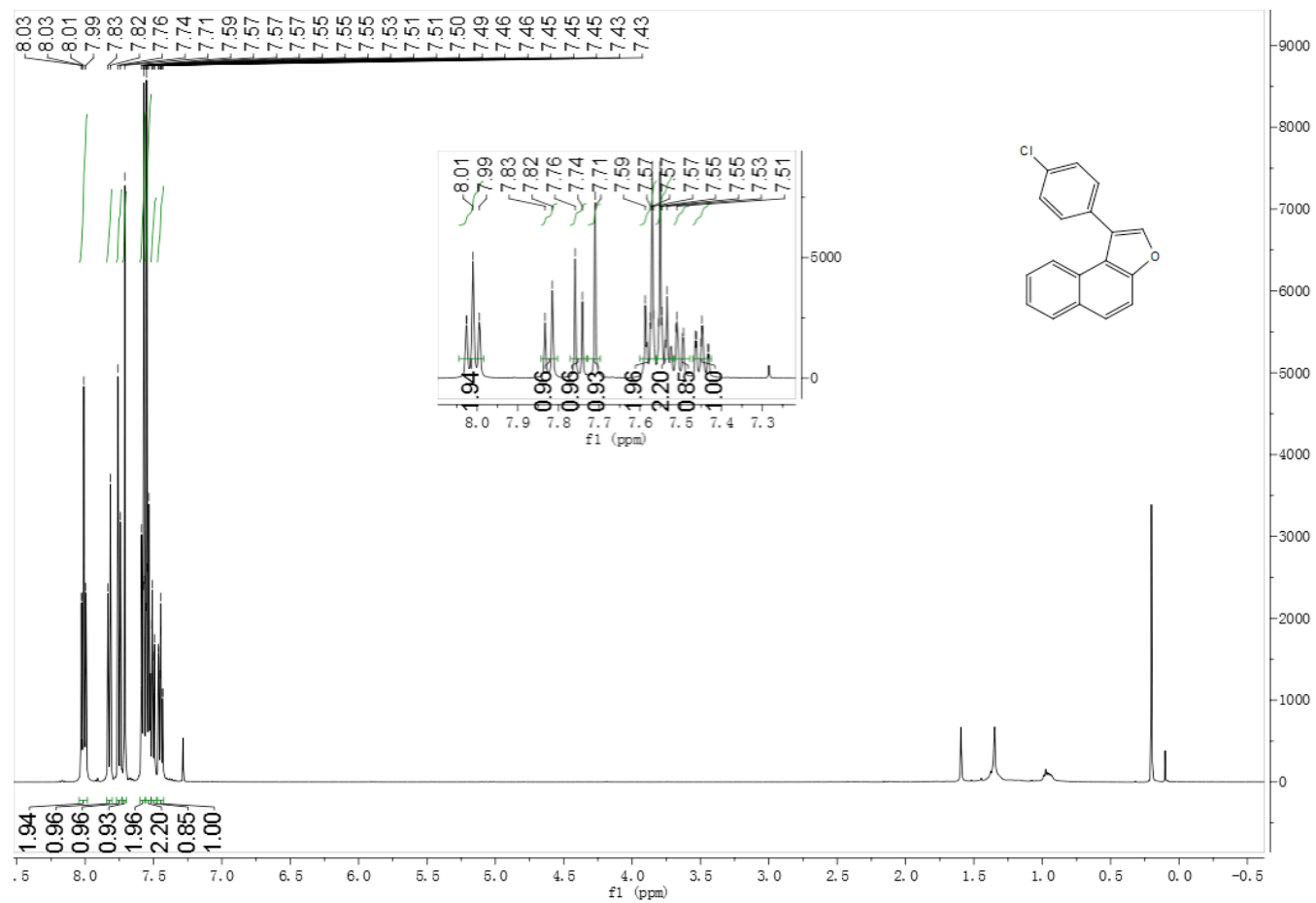
# 1-(2-chlorophenyl)naphtho[2,1-b]furan (3h)

## $^{13}\text{C}$ NMR



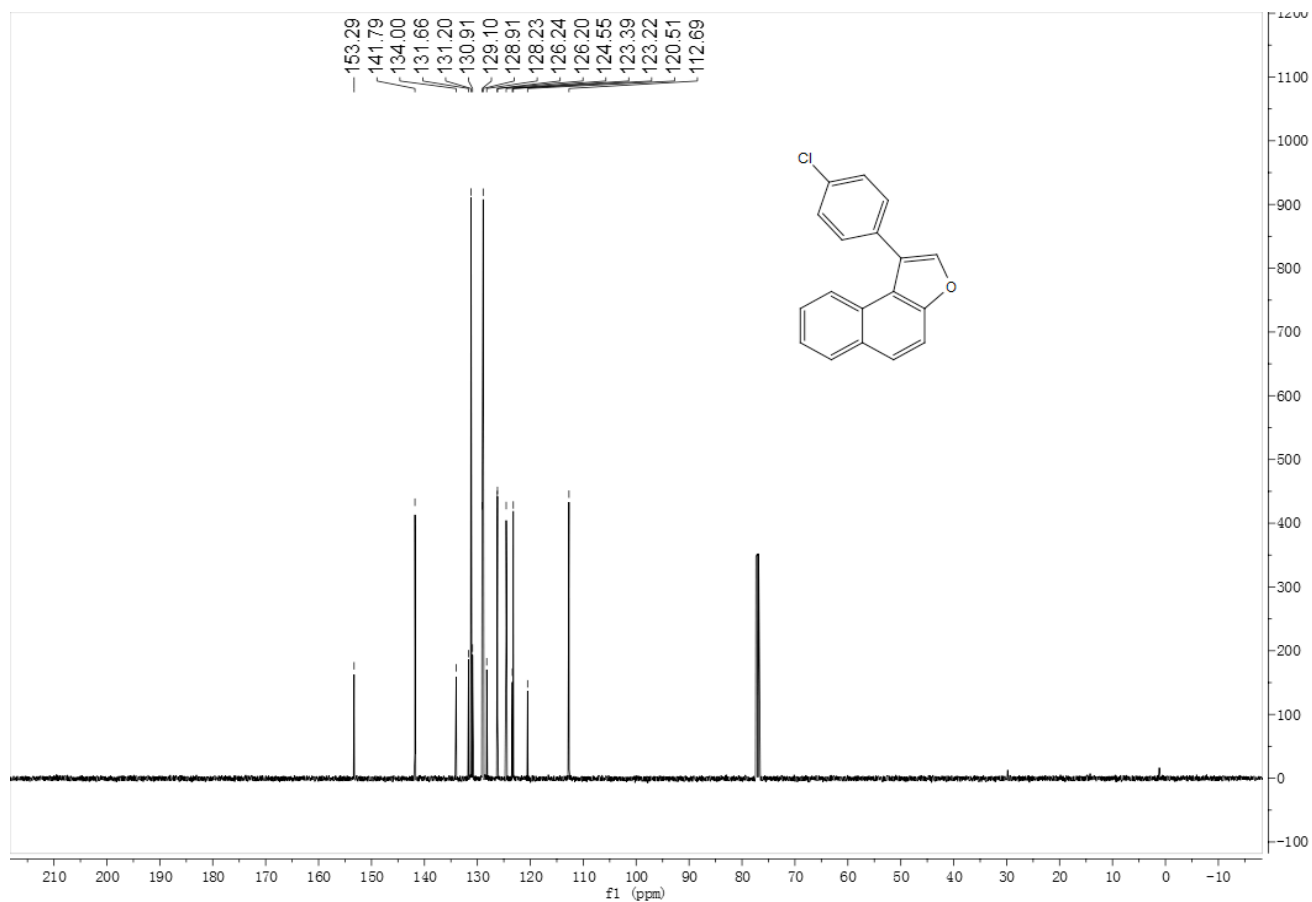
# 1-(4-chlorophenyl)naphtho[2,1-b]furan (3i)

## <sup>1</sup>H NMR



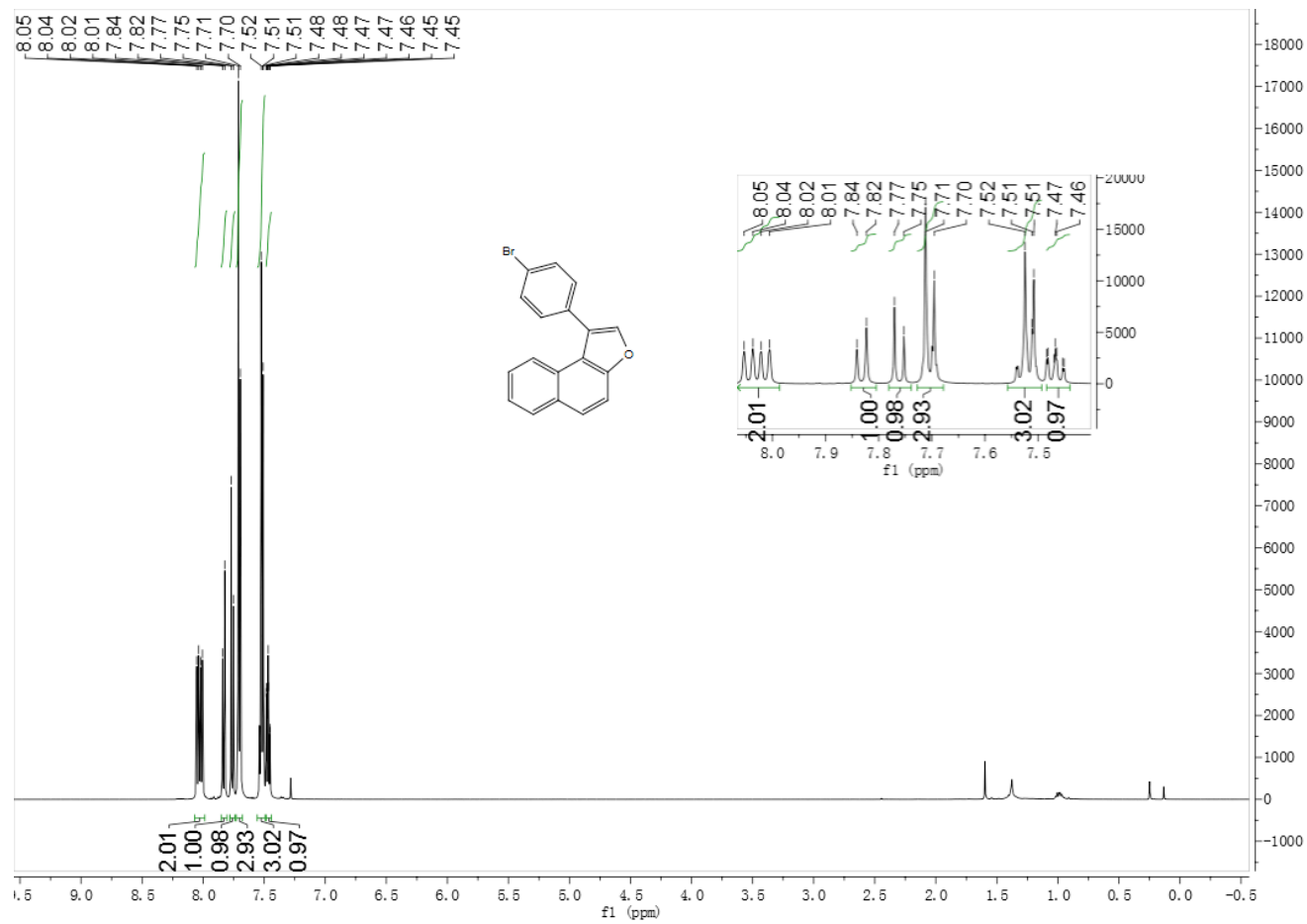
# 1-(4-chlorophenyl)naphtho[2,1-b]furan (3i)

## <sup>13</sup>C NMR



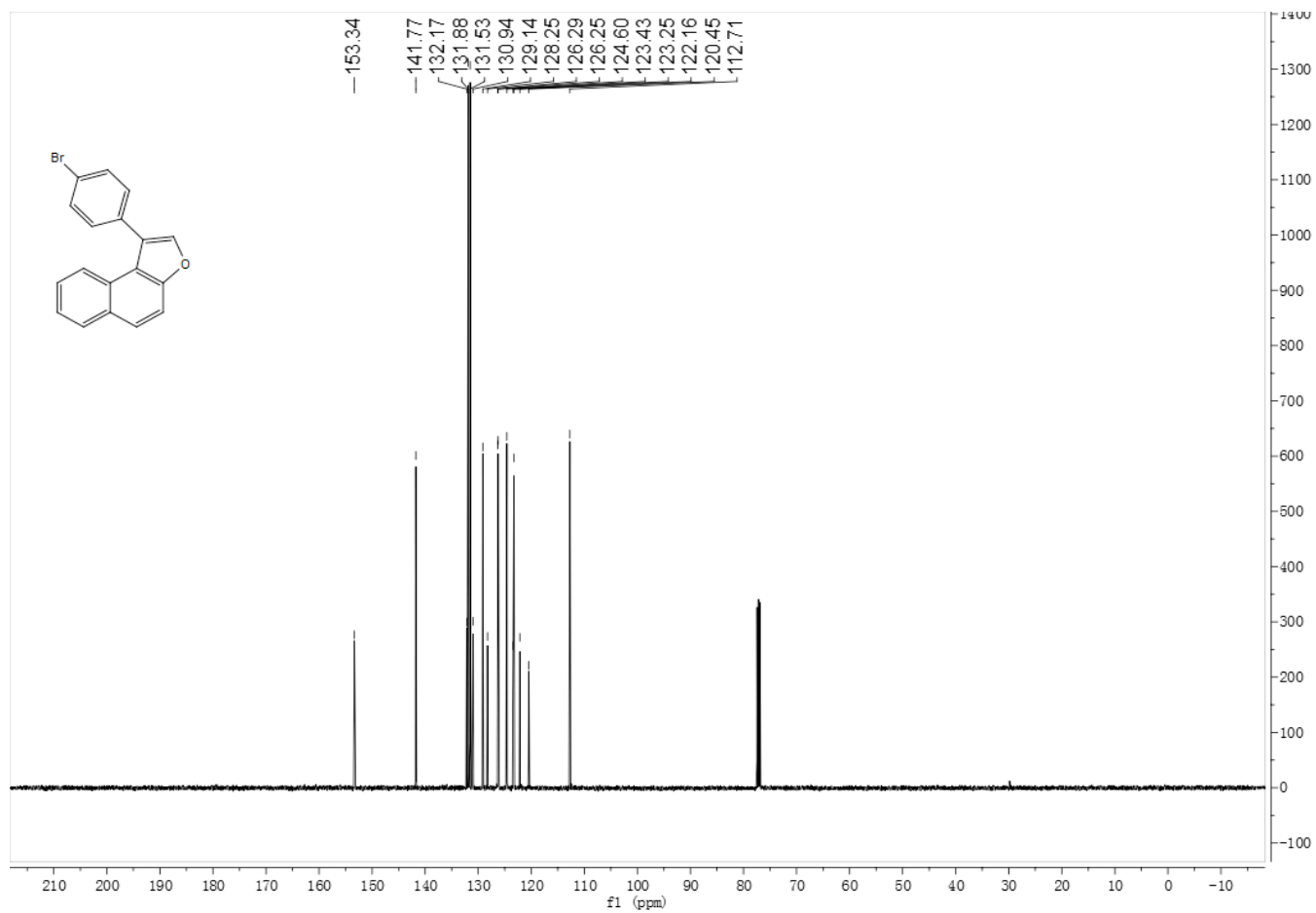
# 1-(4-bromophenyl)naphtho[2,1-b]furan (3j)

## <sup>1</sup>H NMR



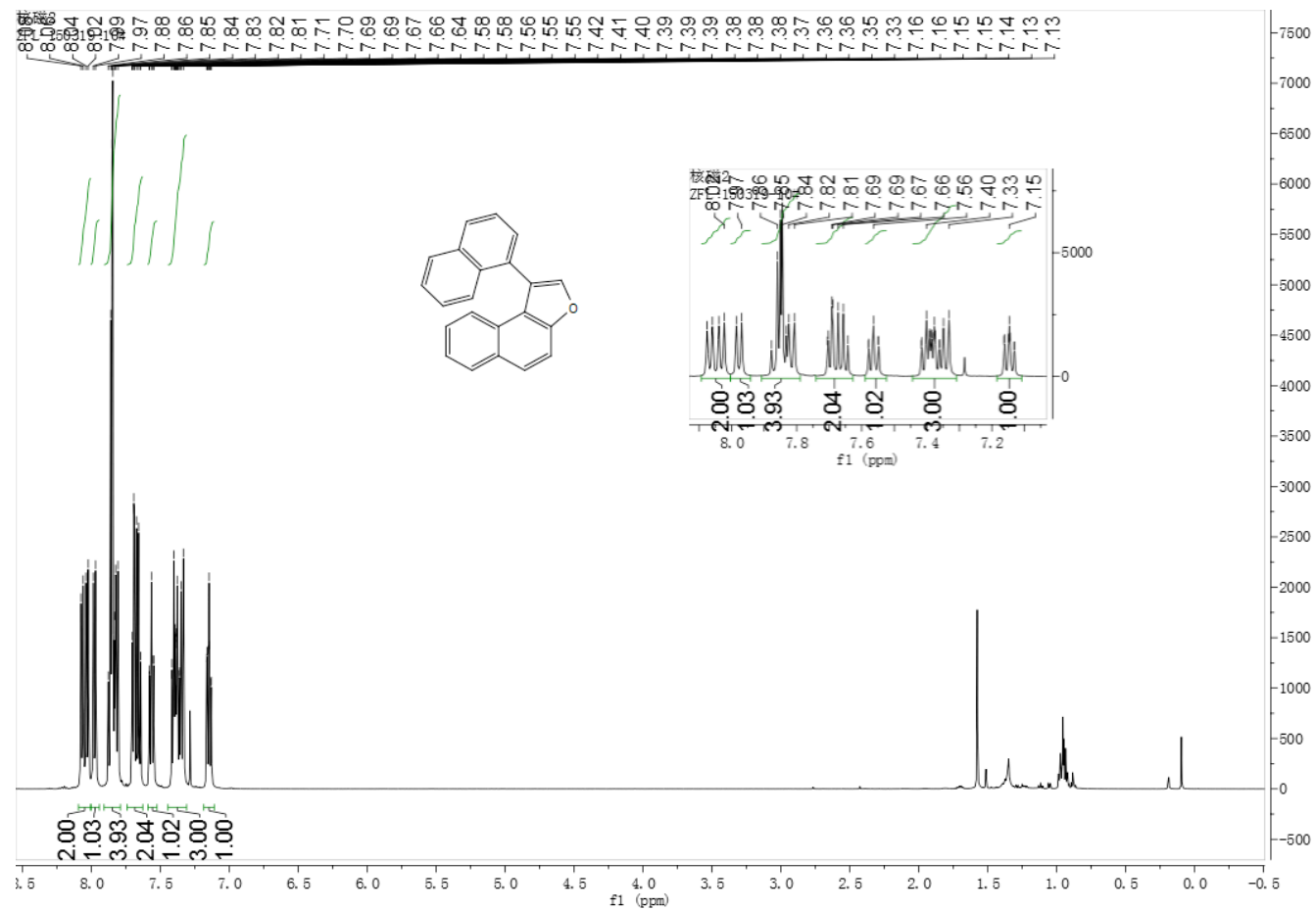
# 1-(4-bromophenyl)naphtho[2,1-b]furan (3j)

## $^{13}\text{C}$ NMR



# 1-(naphthalen-1-yl)naphtho[2,1-b]furan (3k)

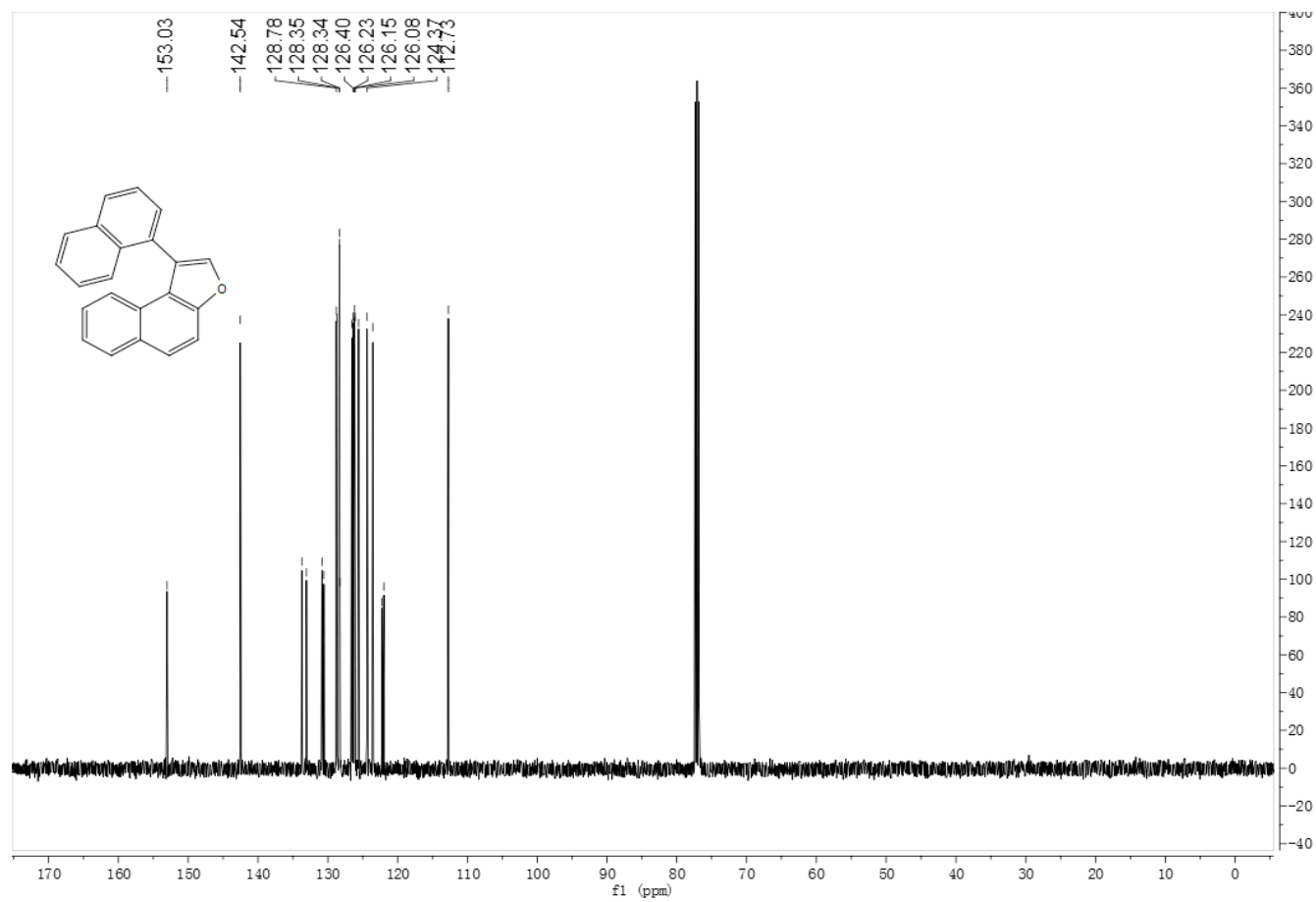
## $^1\text{H}$ NMR





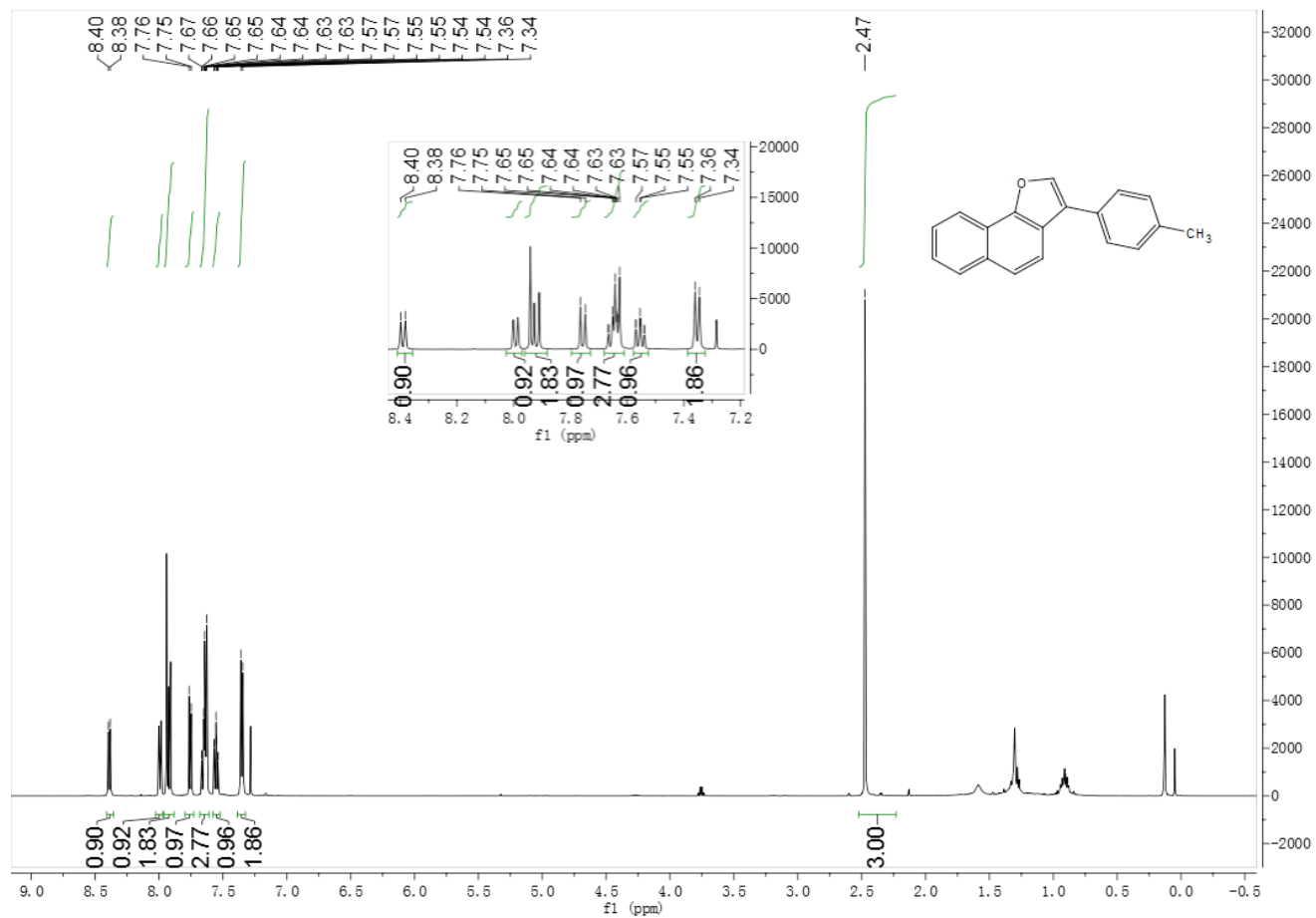
# 1-(naphthalen-1-yl)naphtho[2,1-b]furan (3k)

## $^{13}\text{C}$ NMR



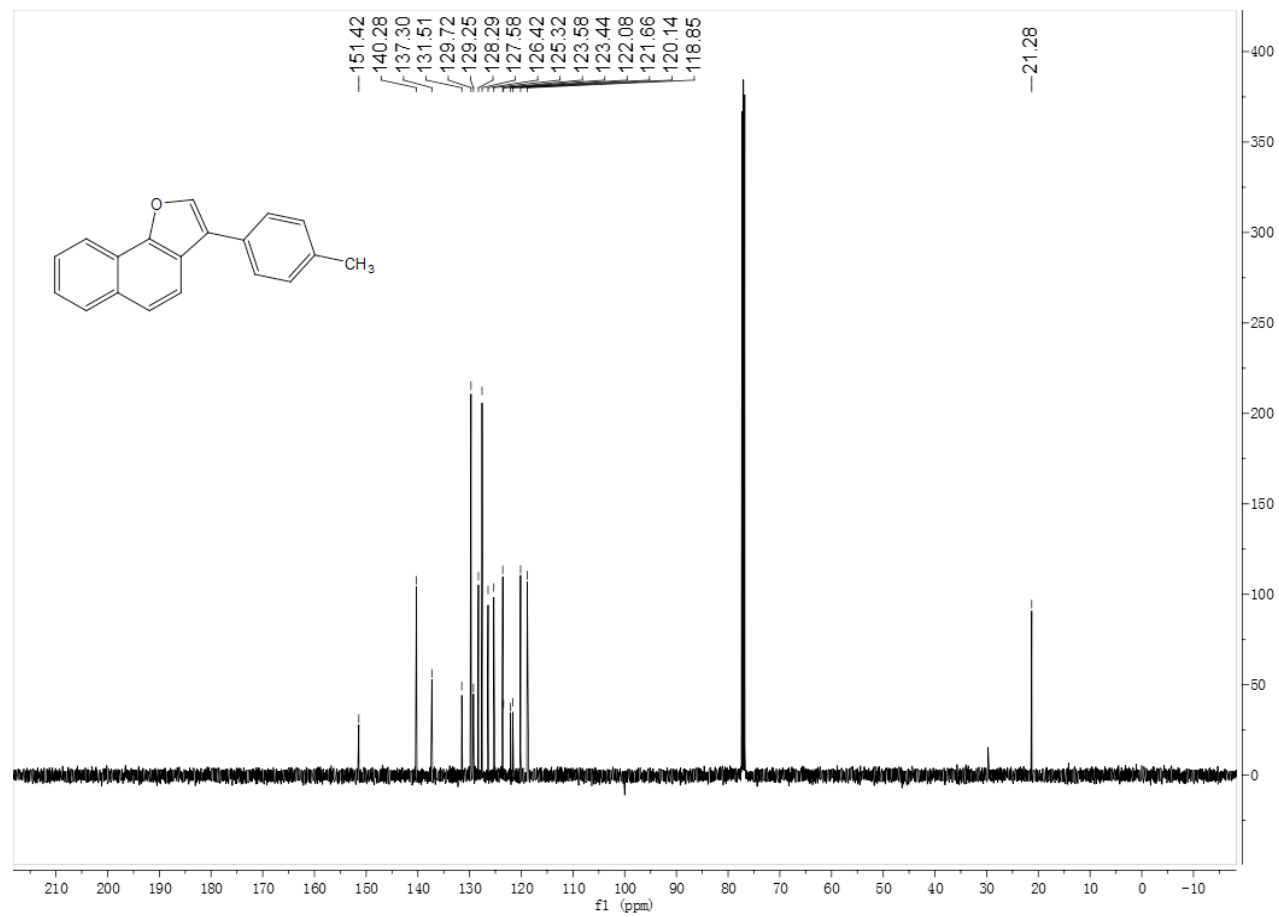
### 3-(p-tolyl)naphtho[1,2-b]furan (3l)

### <sup>1</sup>H NMR



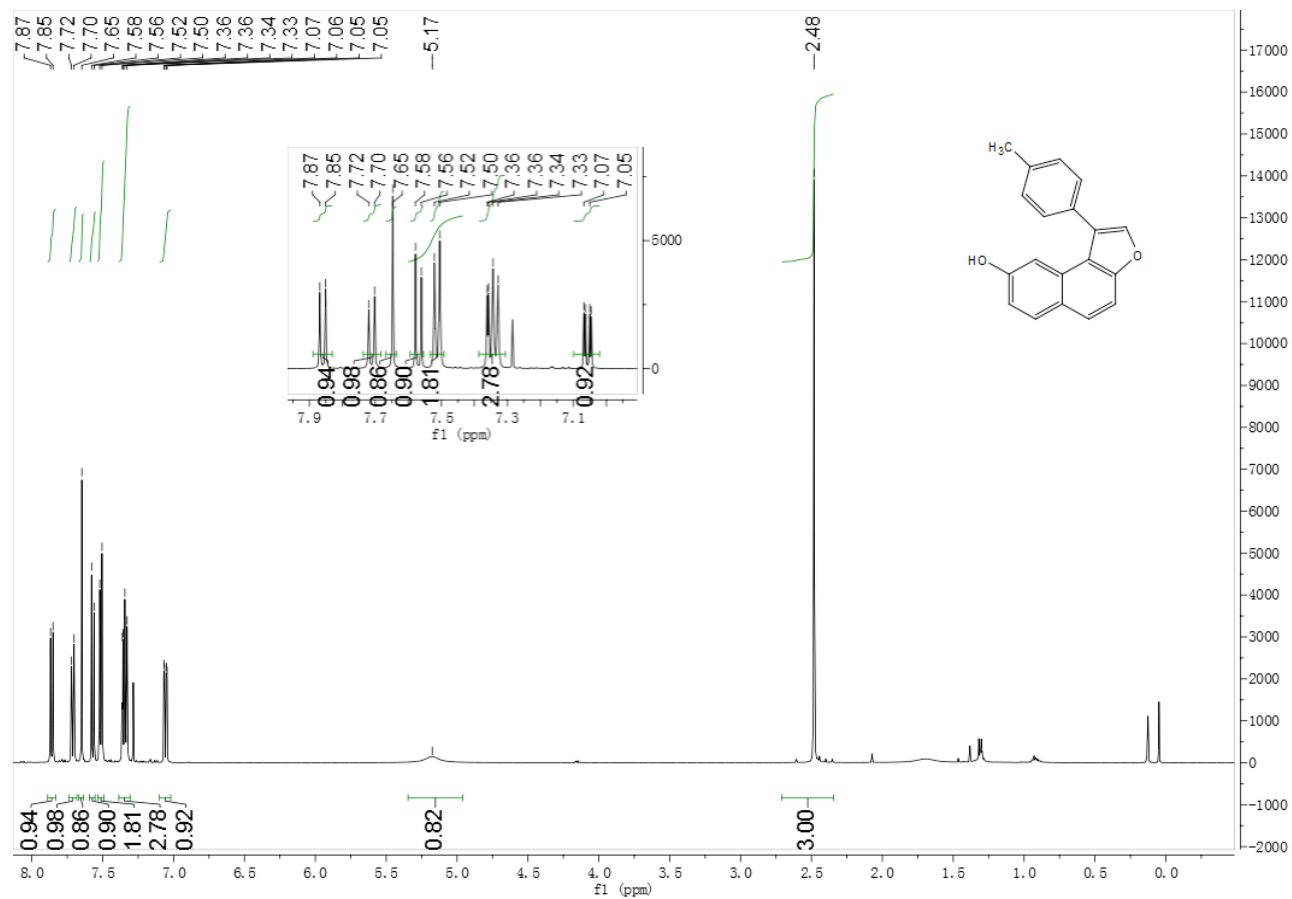
### 3-(p-tolyl)naphtho[1,2-b]furan (3l)

#### $^{13}\text{C}$ NMR



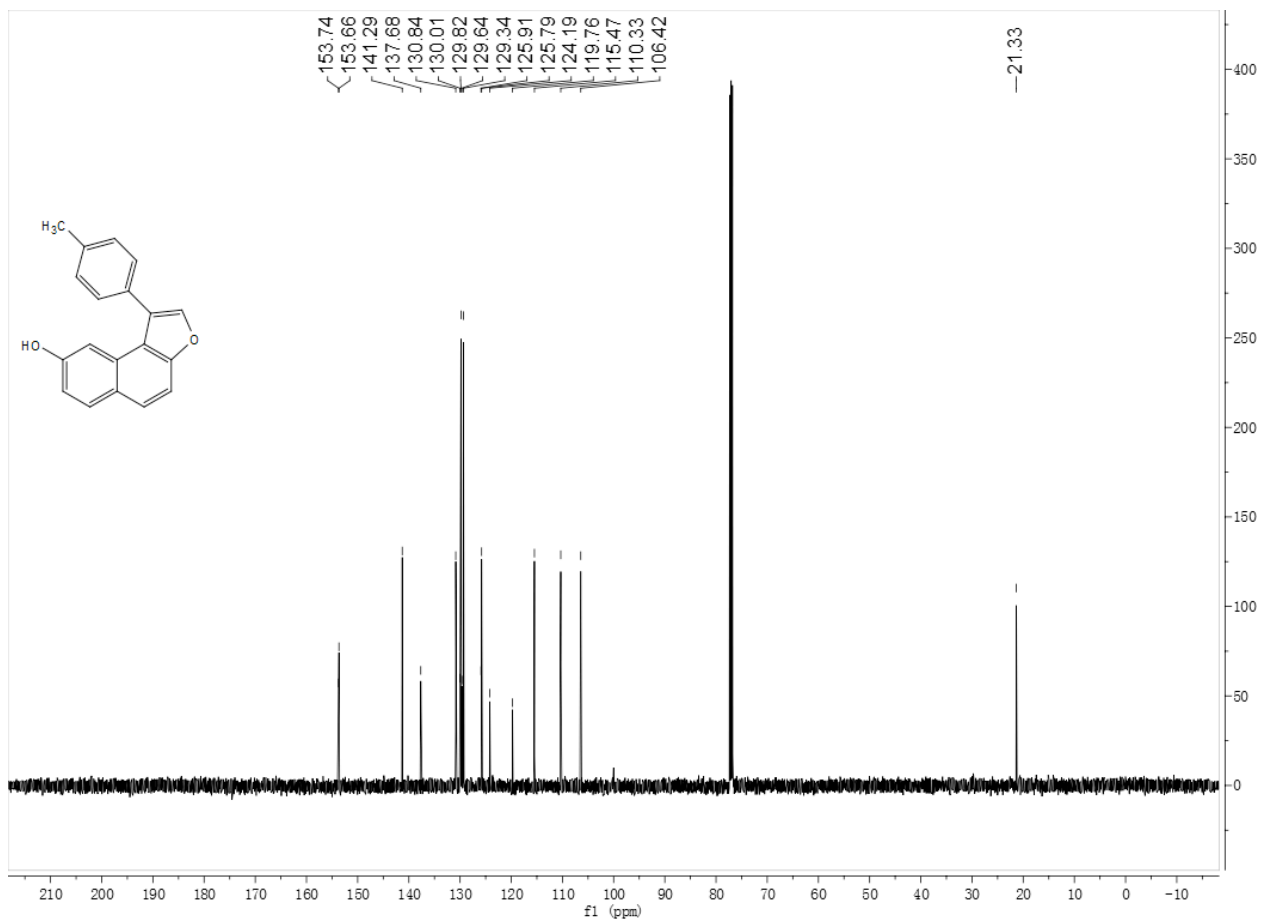
# 1-(p-tolyl)naphtho[2,1-b]furan-8-ol (3m)

## $^1\text{H}$ NMR



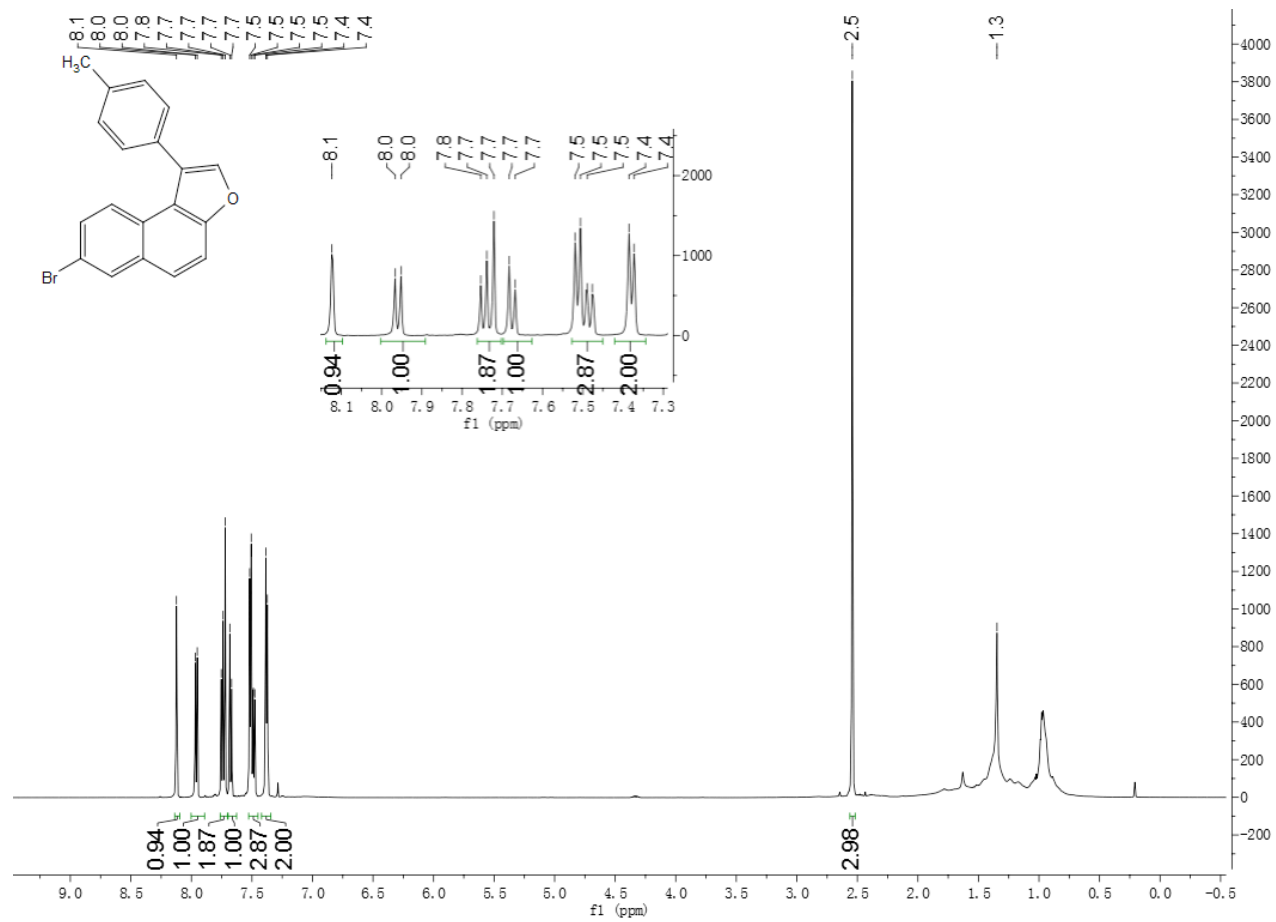
# 1-(p-tolyl)naphtho[2,1-b]furan-8-ol (3m)

## $^{13}\text{C}$ NMR



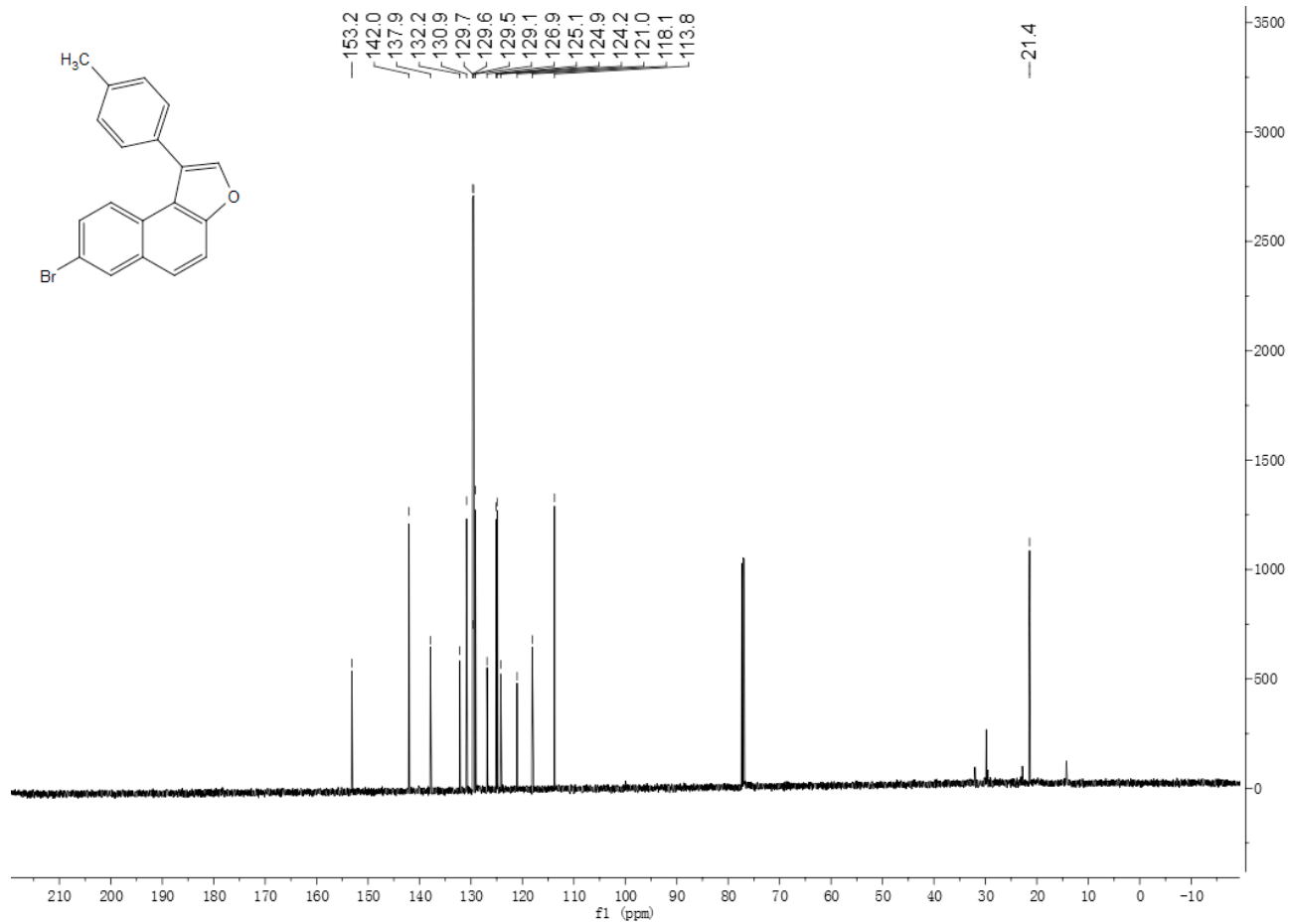
# 7-bromo-1-(p-tolyl)naphtho[2,1-b]furan (3n)

## $^1\text{H}$ NMR



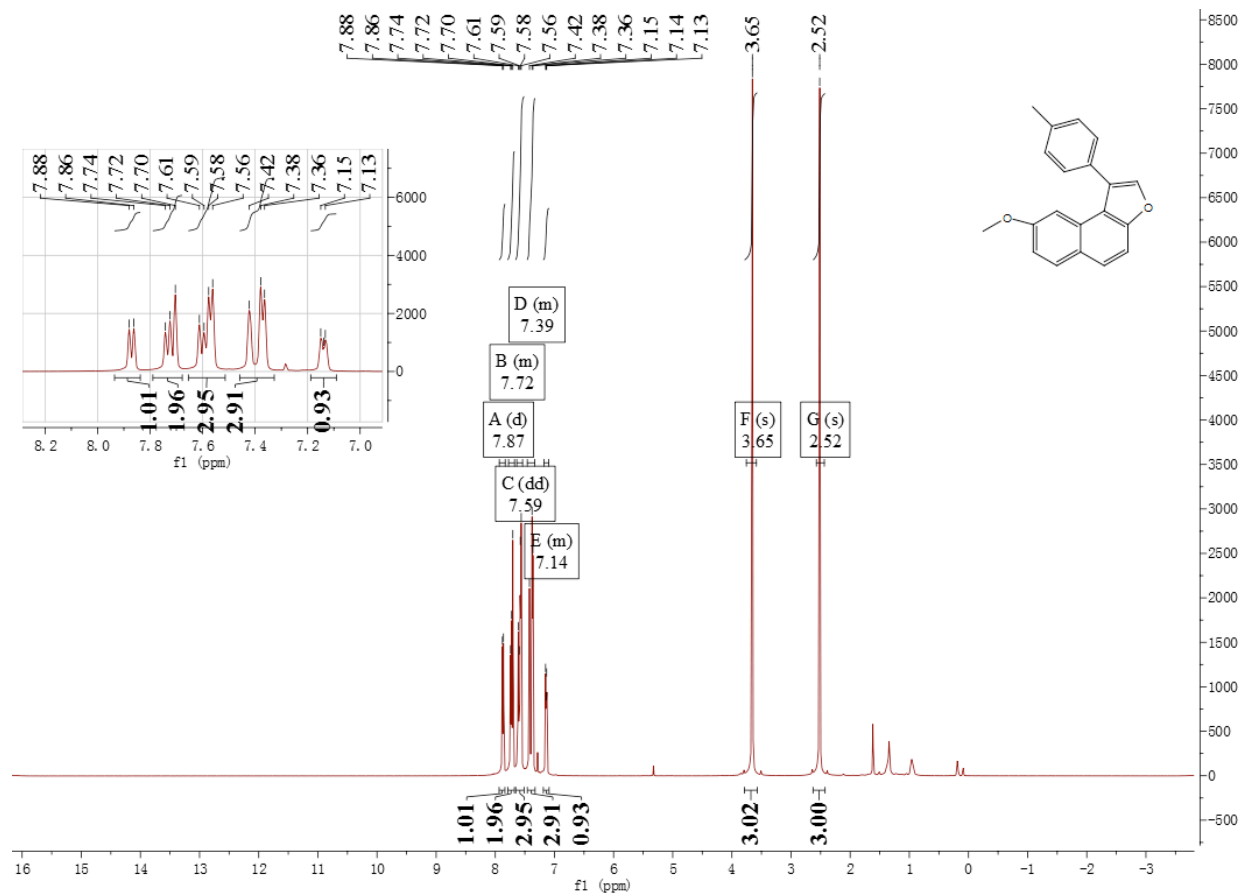
# 7-bromo-1-(p-tolyl)naphtho[2,1-b]furan (3n)

## <sup>13</sup>C NMR



# 8-methoxy-1-(p-tolyl)naphtho[2,1-b]furan (3o)

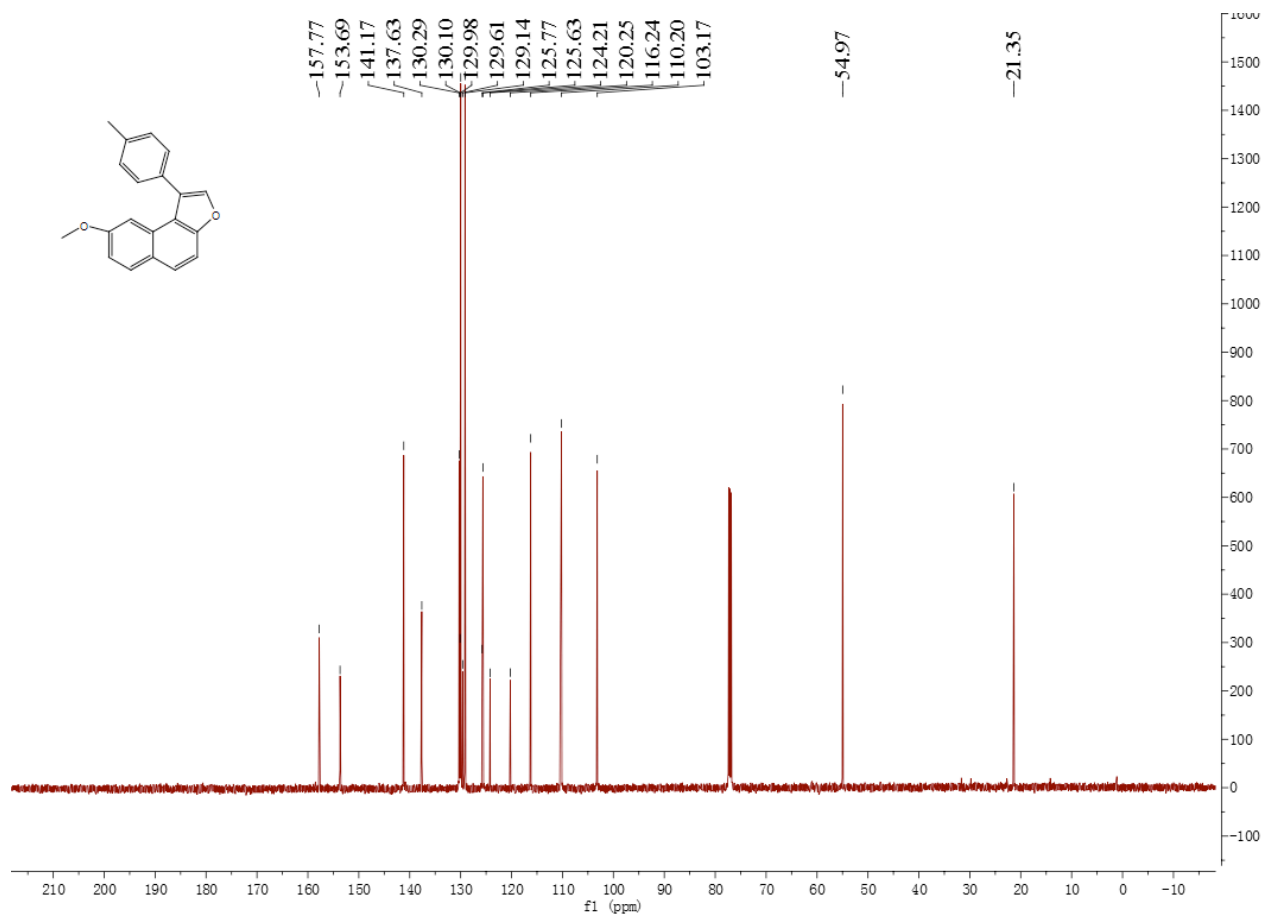
## <sup>1</sup>H NMR





# 8-methoxy-1-(p-tolyl)naphtho[2,1-b]furan (3o)

$^{13}\text{C}$  NMR



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