

Supporting Information

Friedel-Crafts Reaction of Acylsilanes: Highly Chemoselective Synthesis of 1-Hydroxy-bis(indolyl)methanes and 1-Silyl-bis(indolyl)methanes Derivatives

Qi Li,[†] Xiu-Xia Liang,[†] Wang Zhang,[†] and Man-Yi Han^{*†}

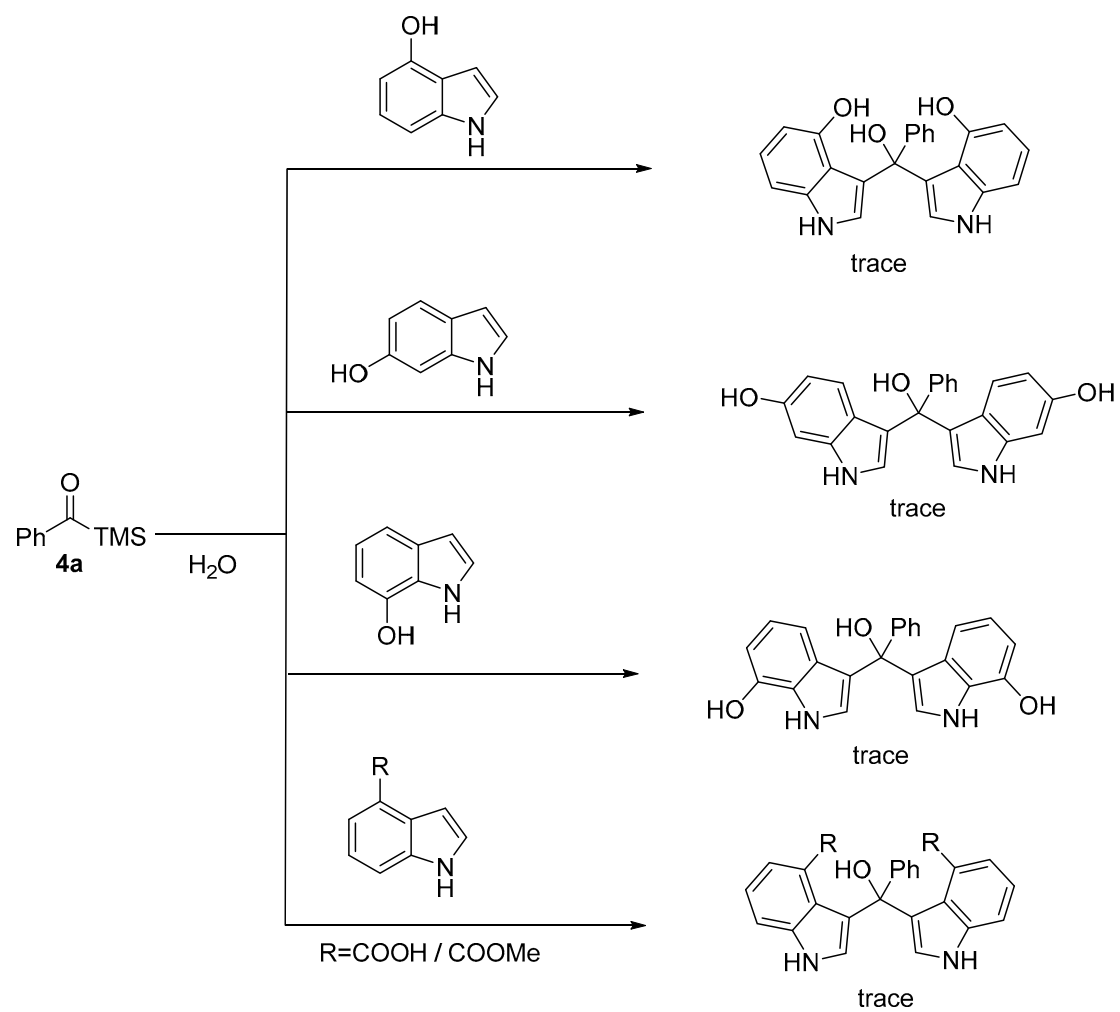
[†]Key Laboratory of Green and Precise Synthetic Chemistry and Applications, Ministry of Education; College of Chemistry and Materials Science, Huaibei Normal University, Huaibei, Anhui 235000, P.R. China

E-Mail: hanmy10@126.com; hanmy@chnu.edu.cn

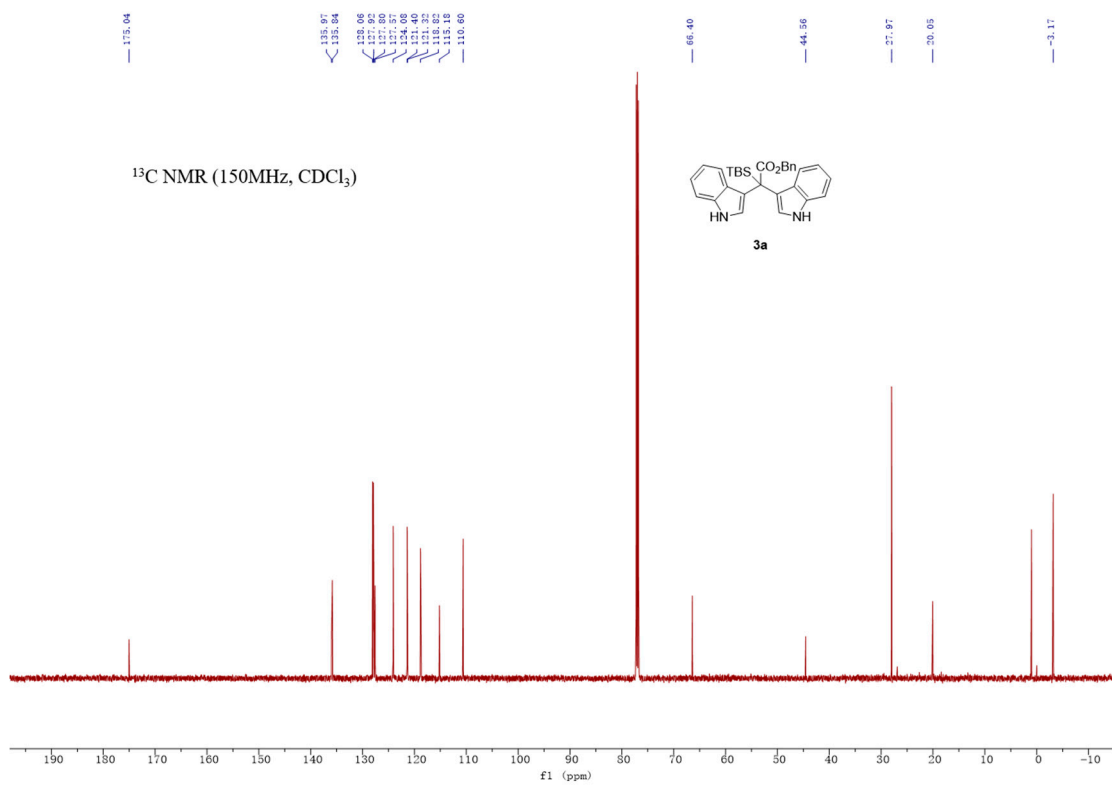
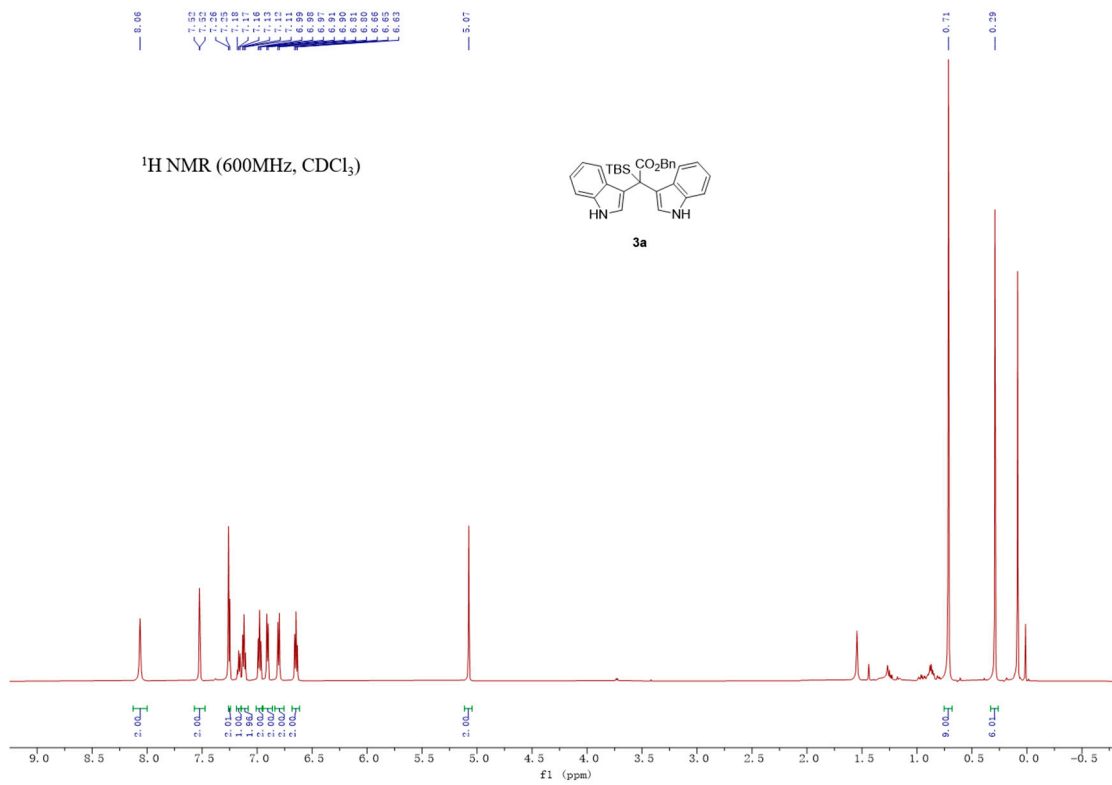
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1. The reaction of acylsilane with indole containing hydroxy groups at different positions



2. ^1H and ^{13}C NMR spectra of the products

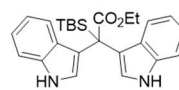


8.69
7.48
7.25
7.23
7.20
6.98
6.97
6.83
6.69
6.67

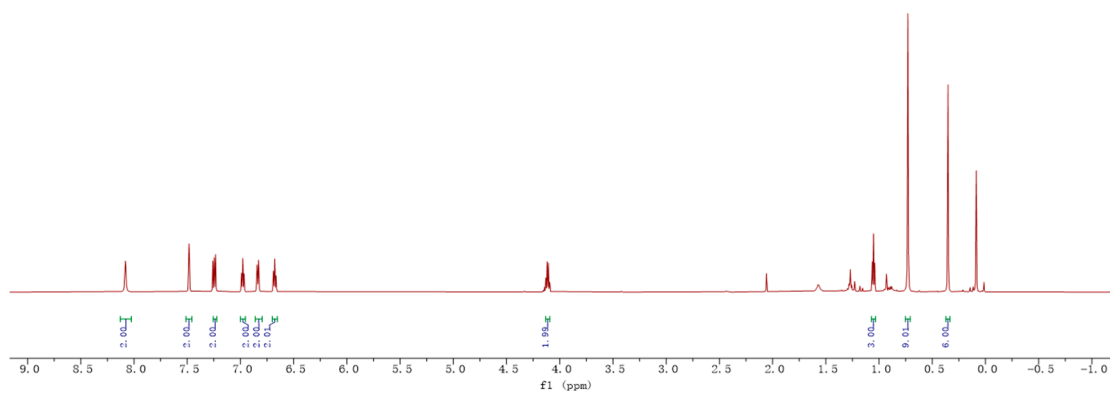
4.13
4.12
4.11
4.10

1.06
1.05
1.04
0.73
0.35

^1H NMR (600MHz, CDCl_3)



3b

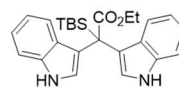


175.20
135.84
127.75
127.45
127.42
121.25
118.59
115.35
110.65

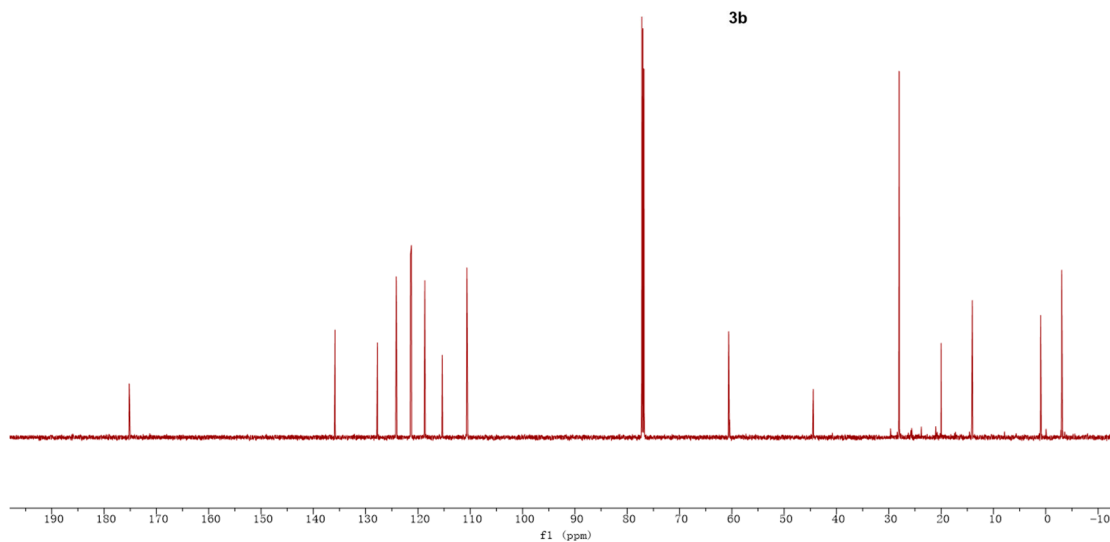
60.61
44.44

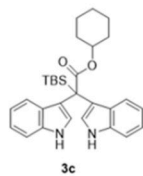
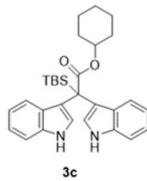
38.00
20.01
14.03
-3.05

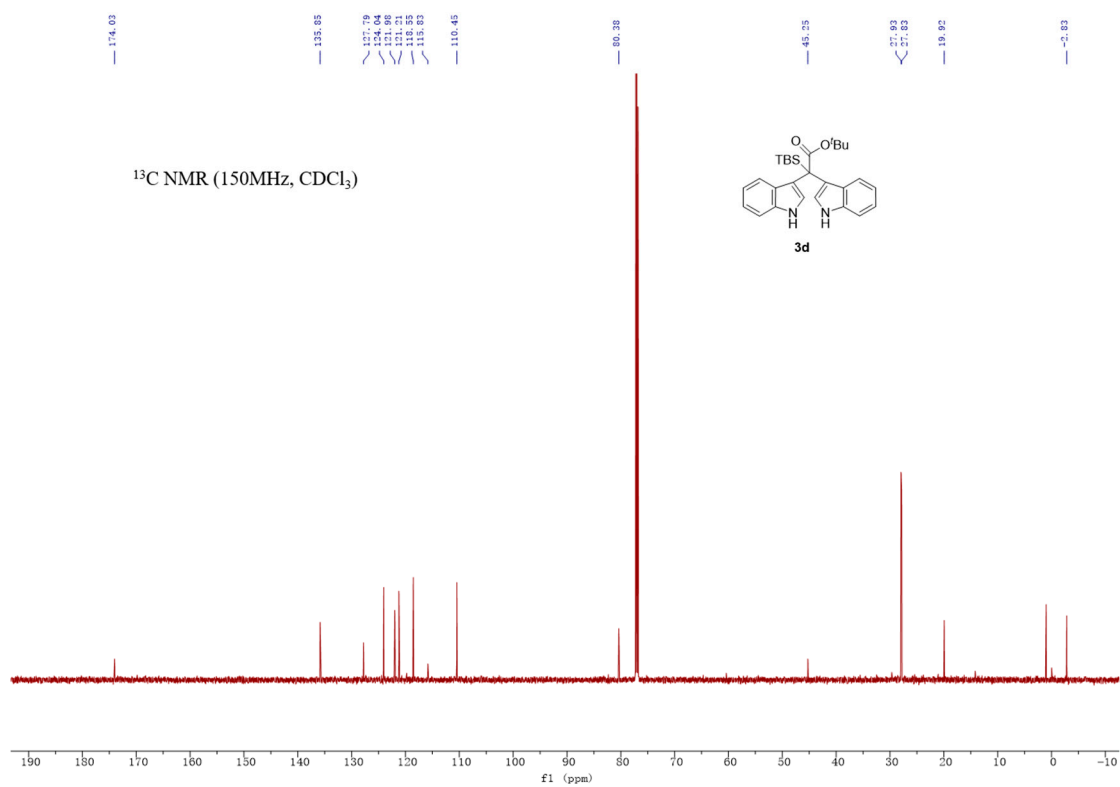
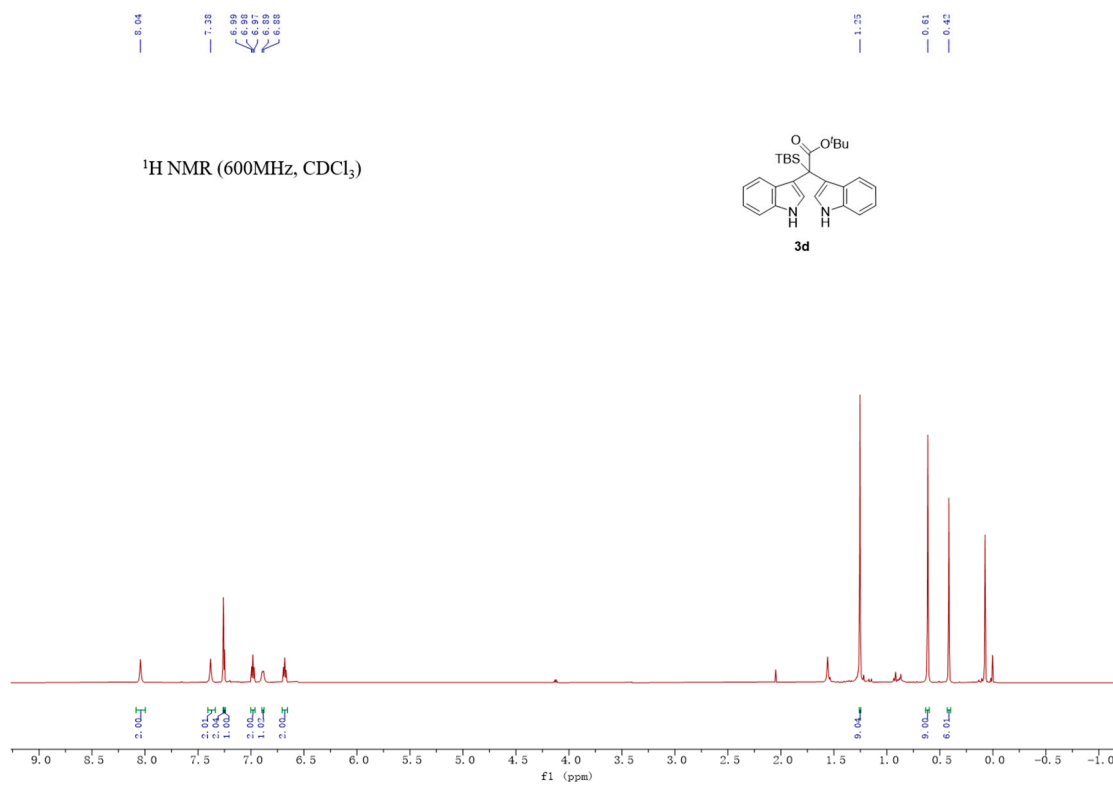
^{13}C NMR (150MHz, CDCl_3)

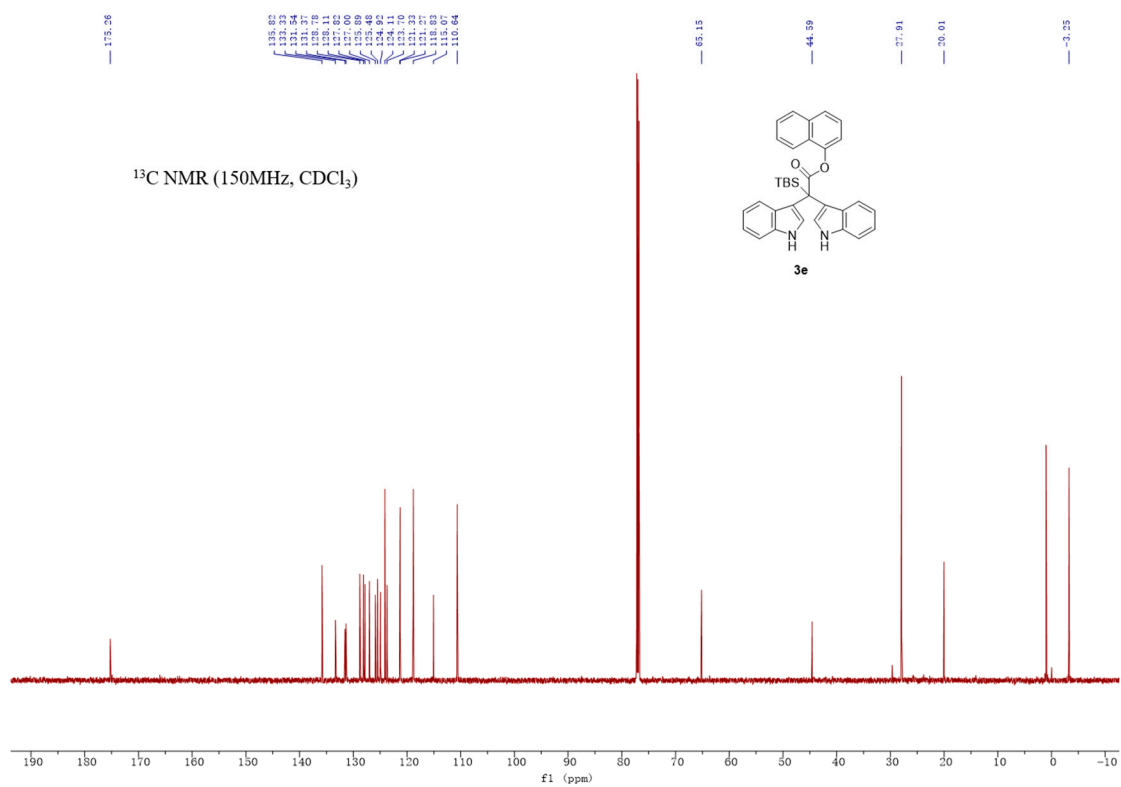
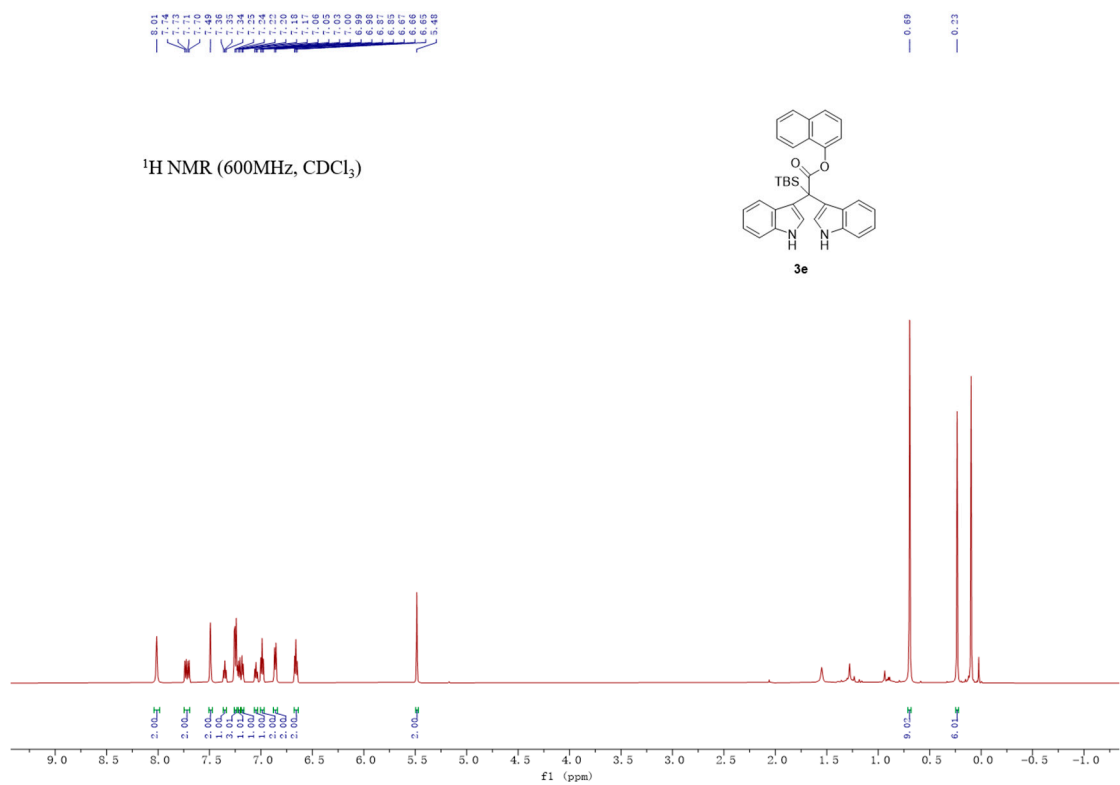


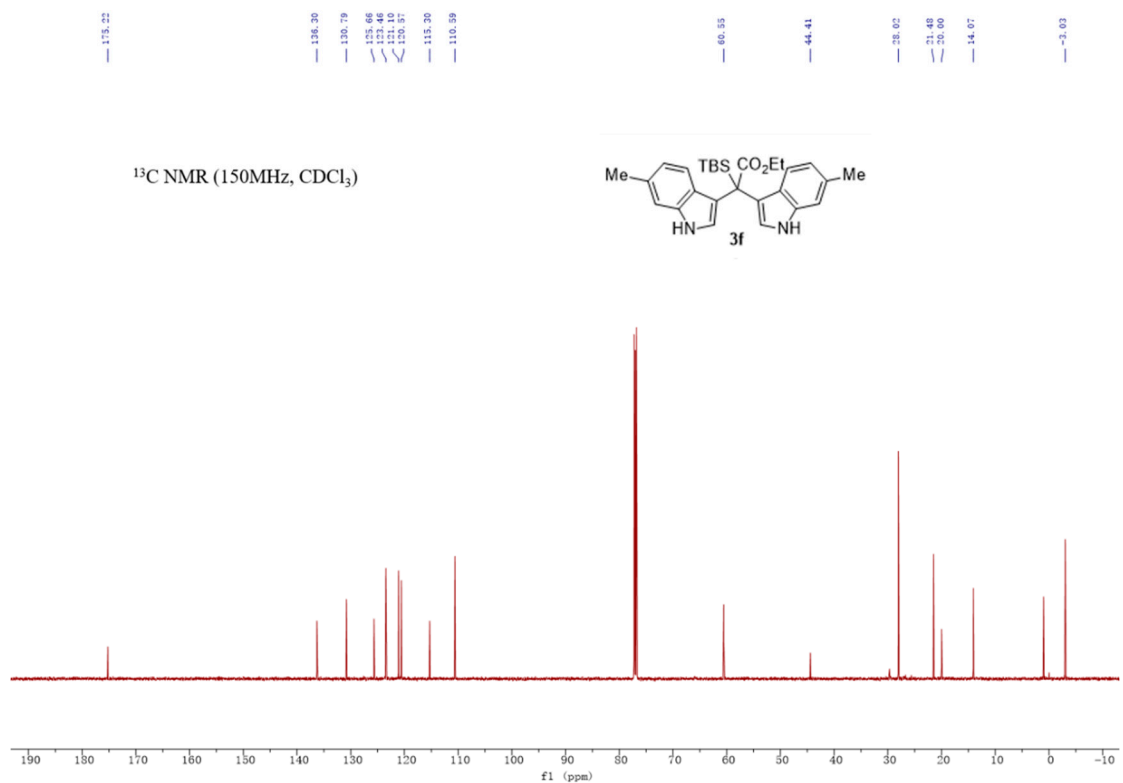
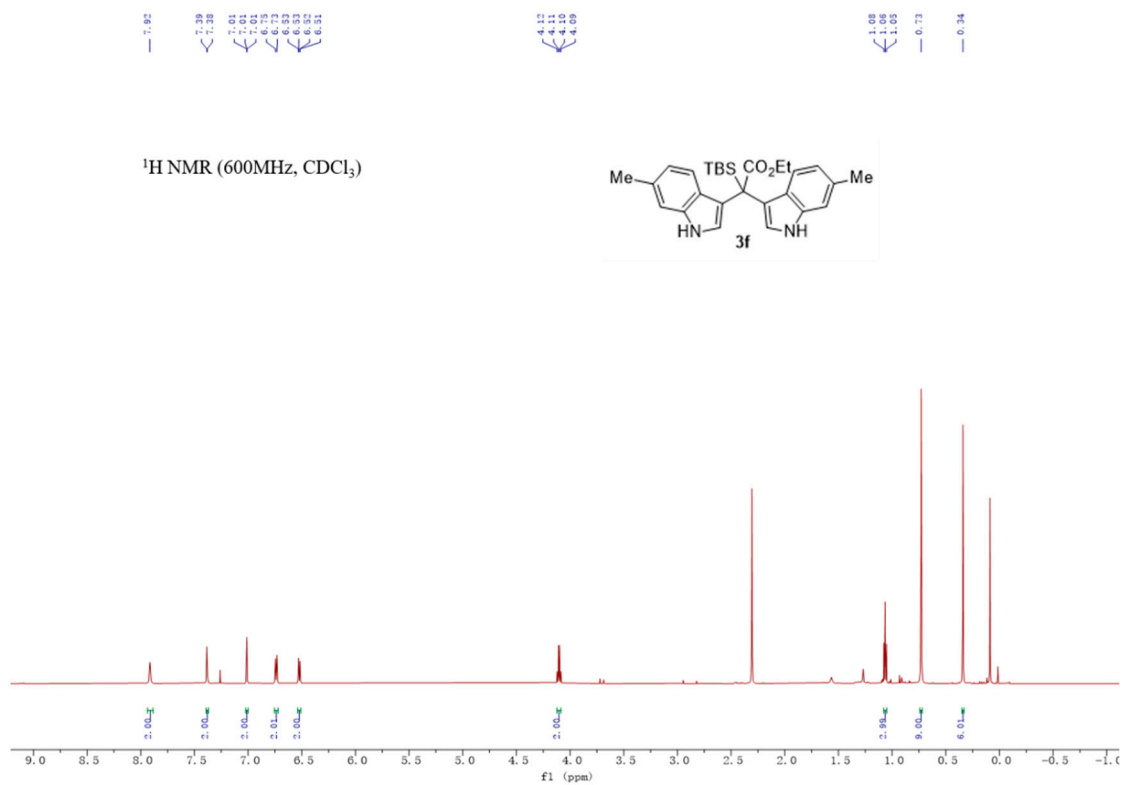
3b

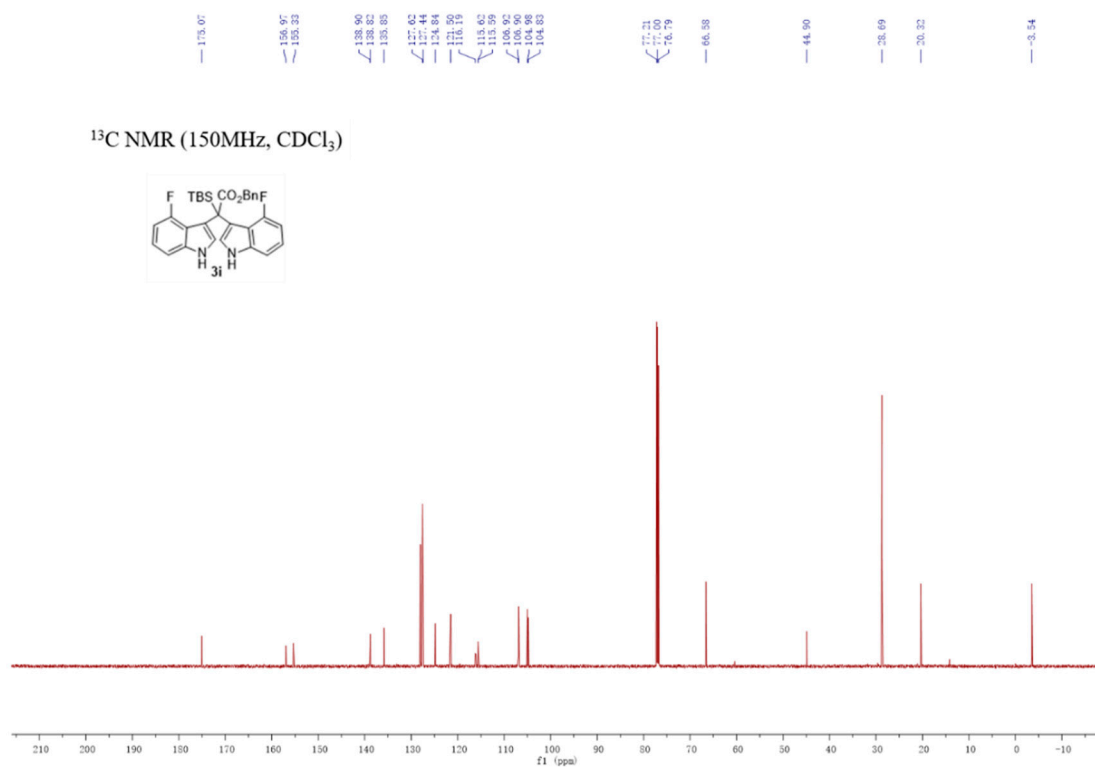
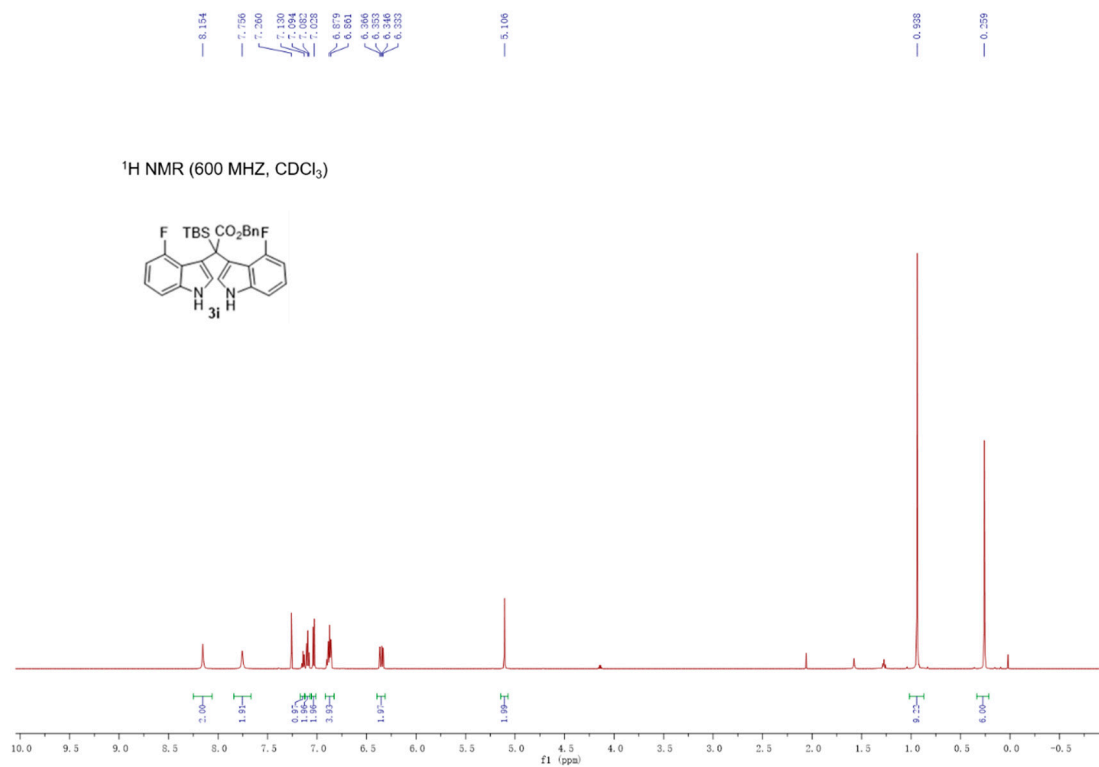


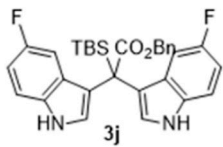
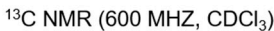
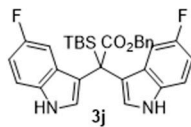


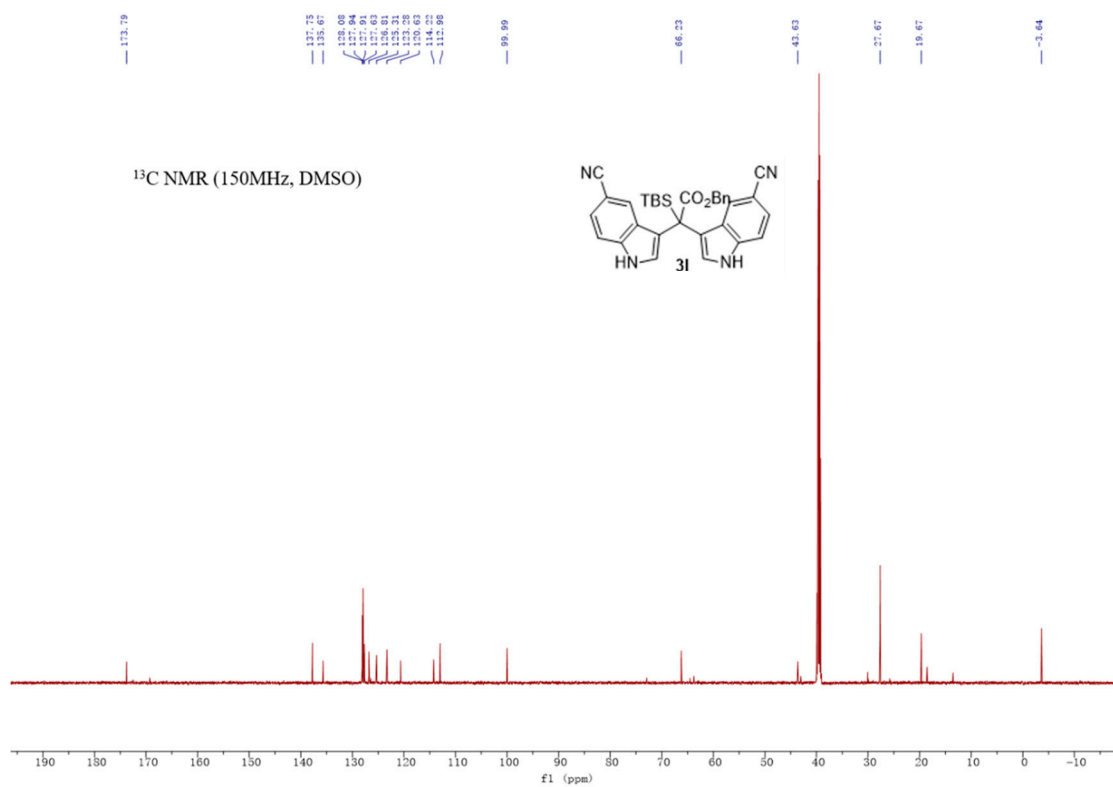
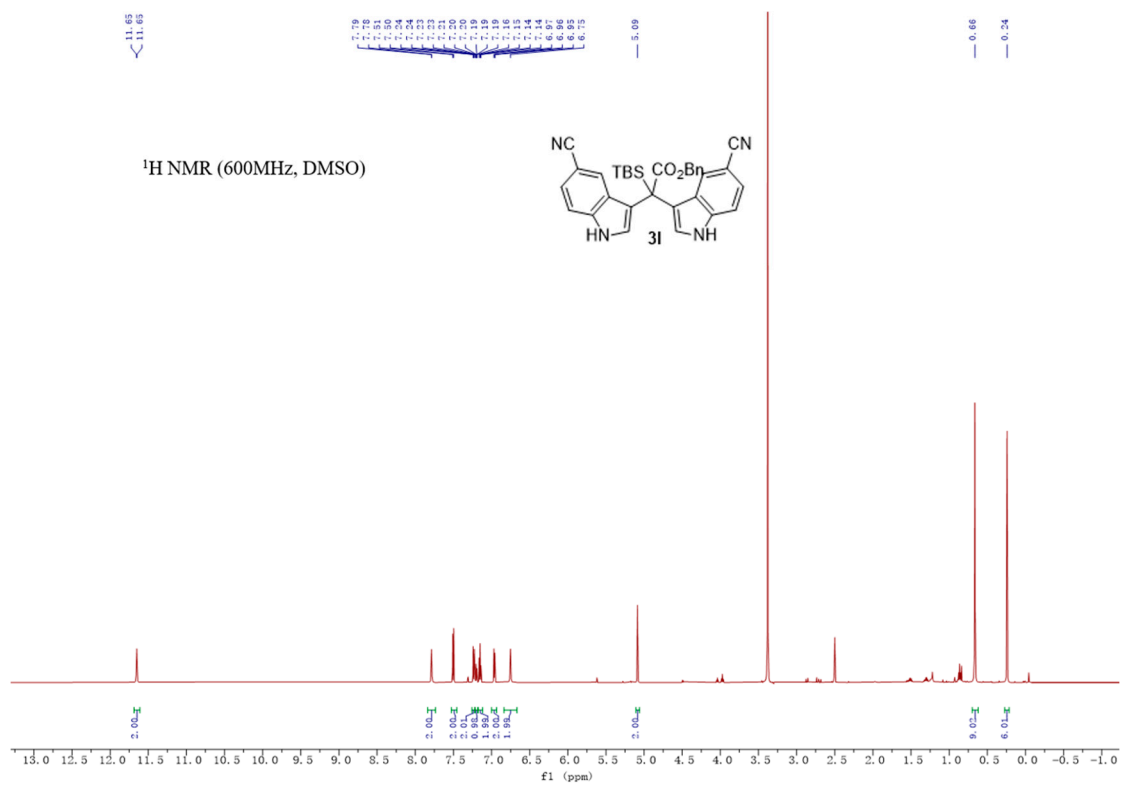


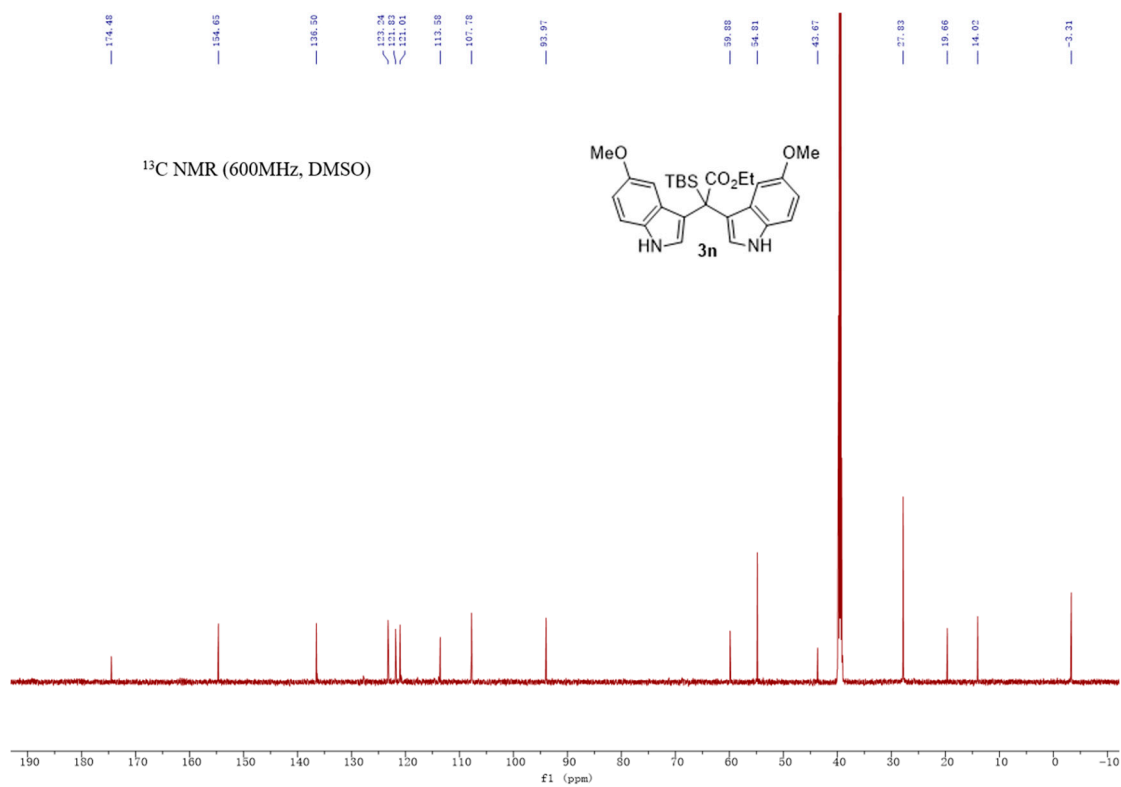
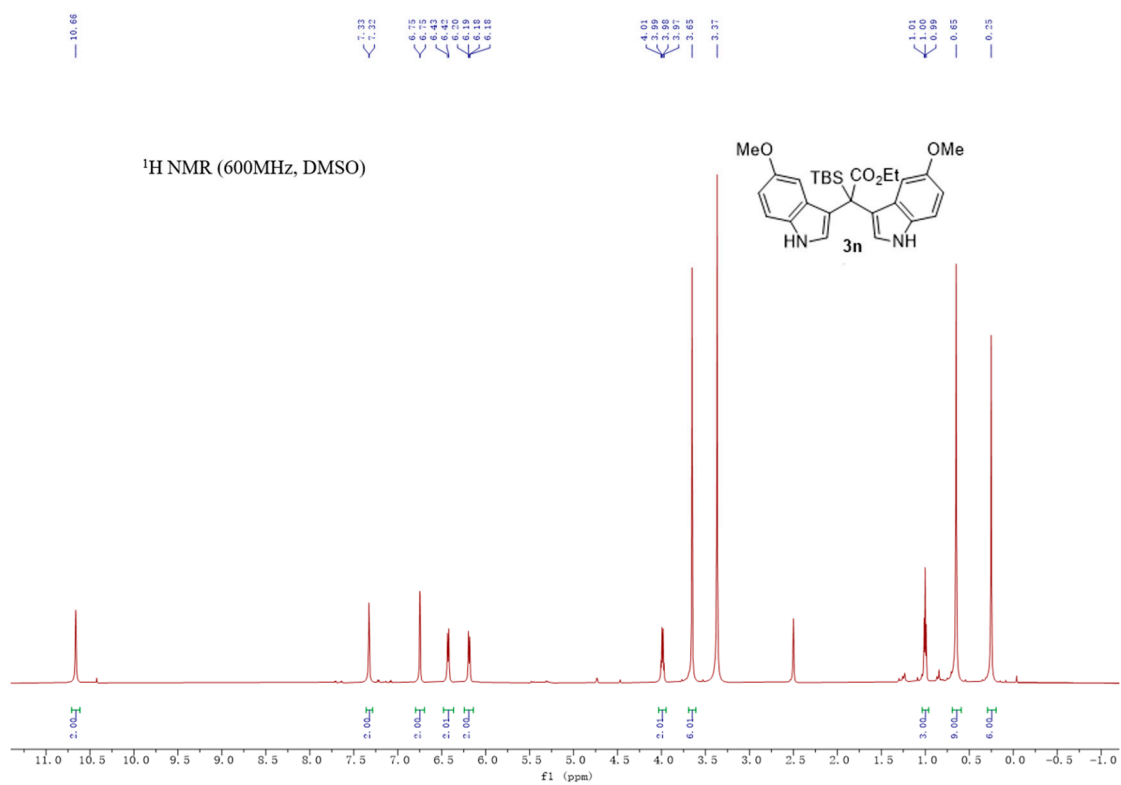


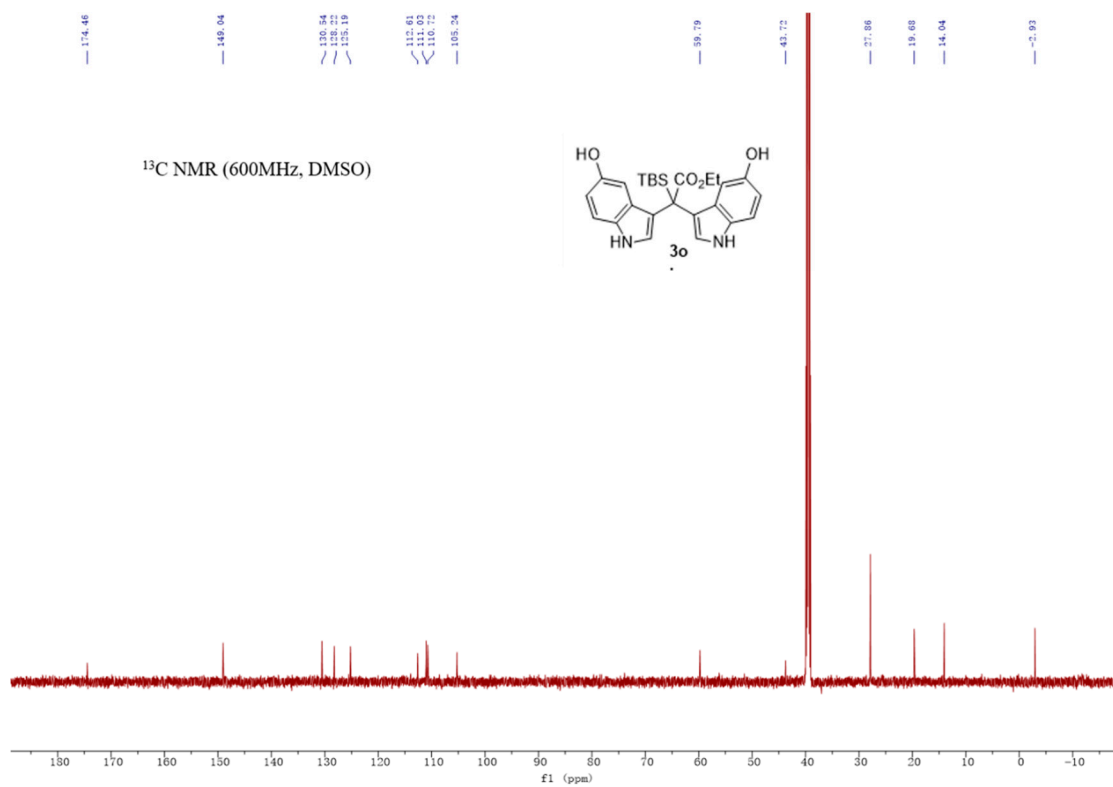
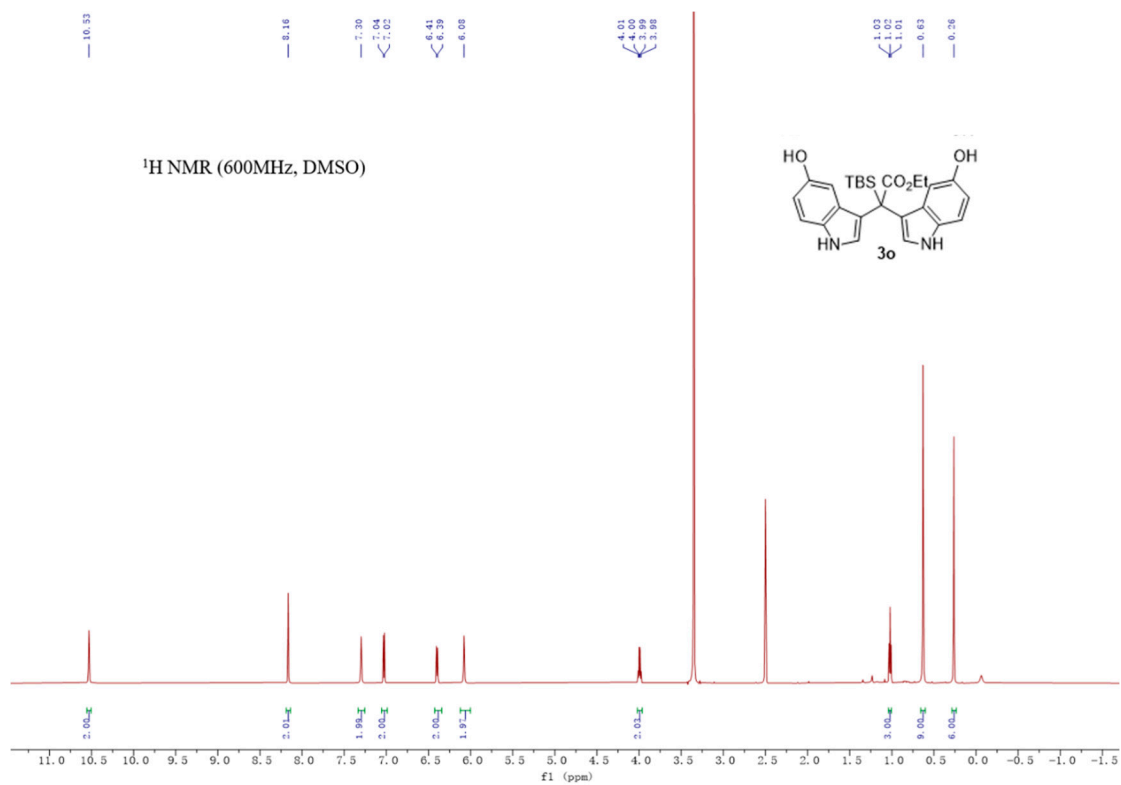


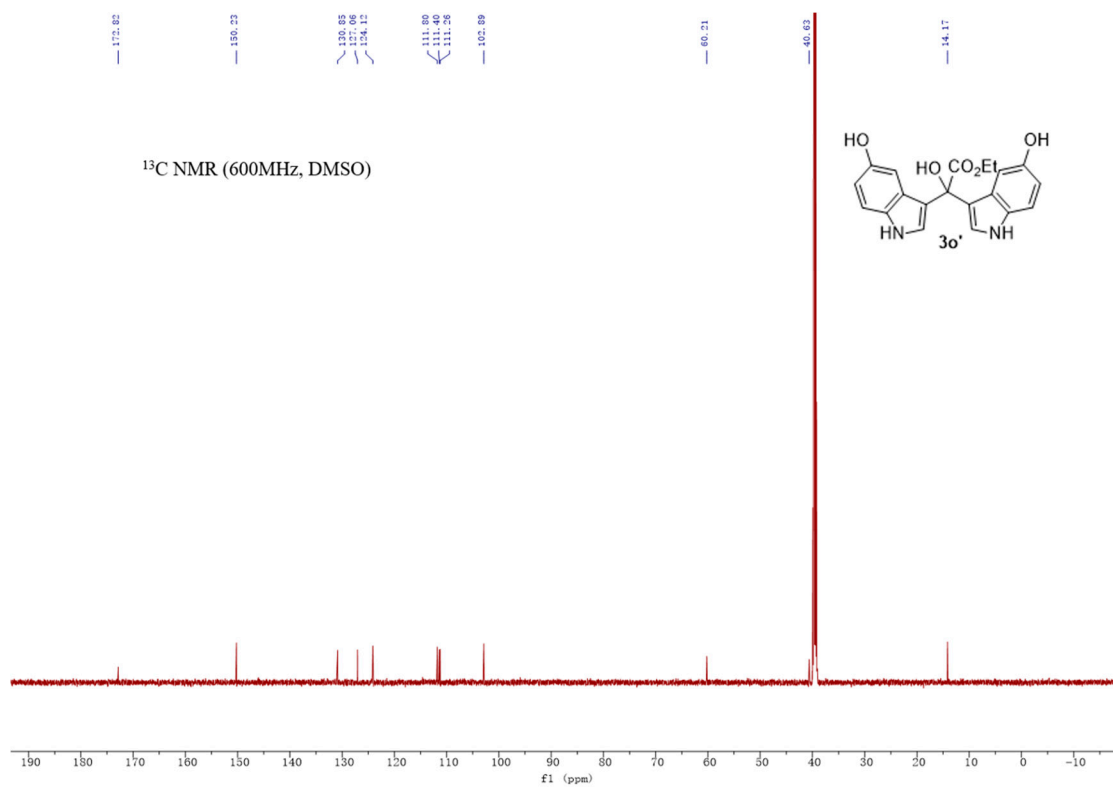
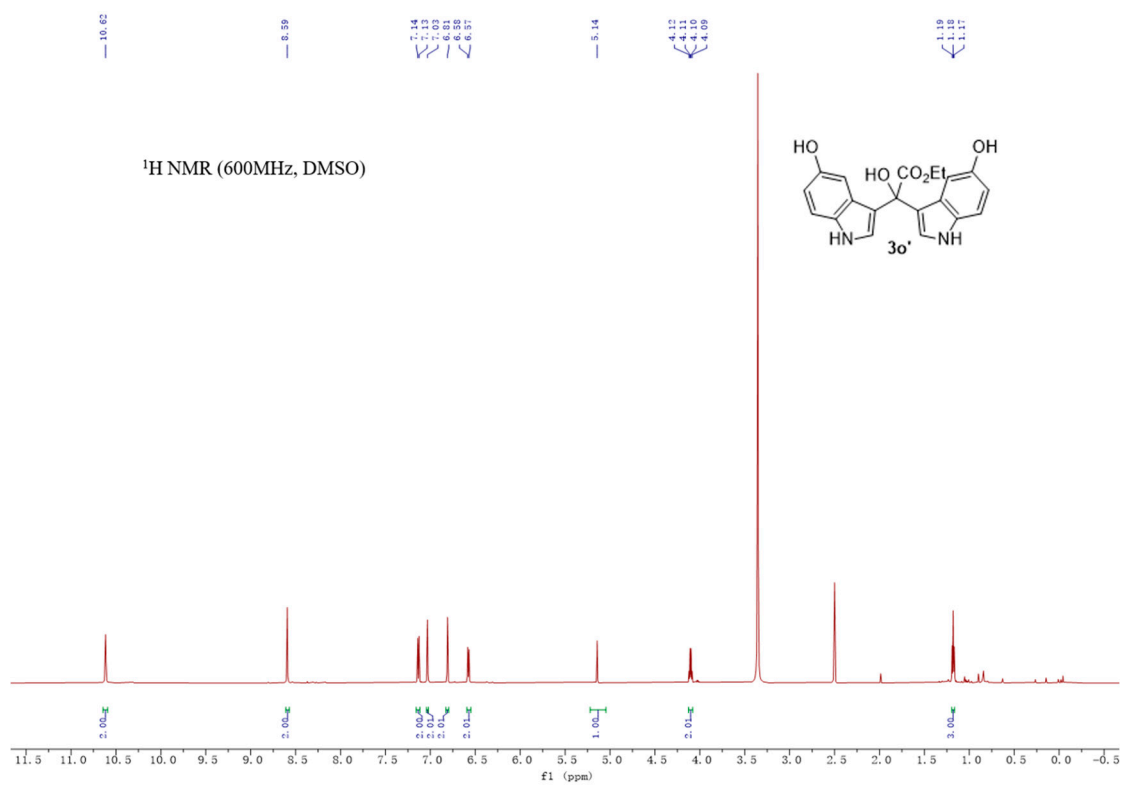




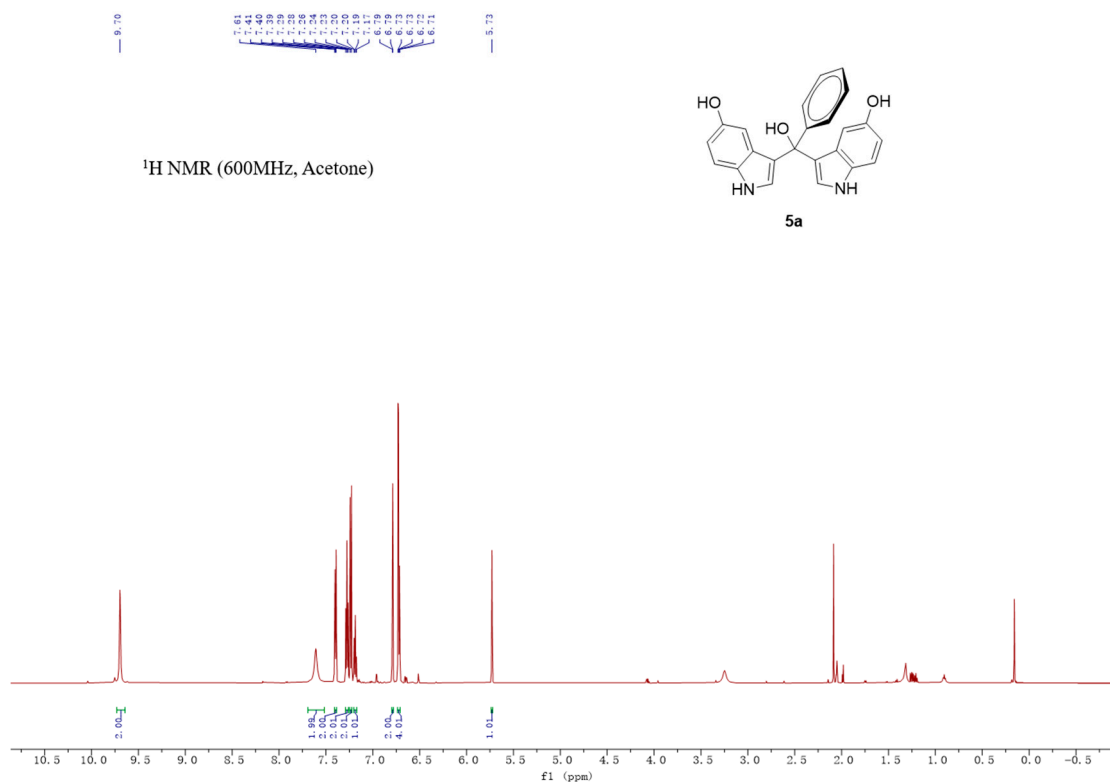
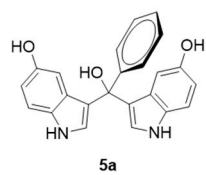




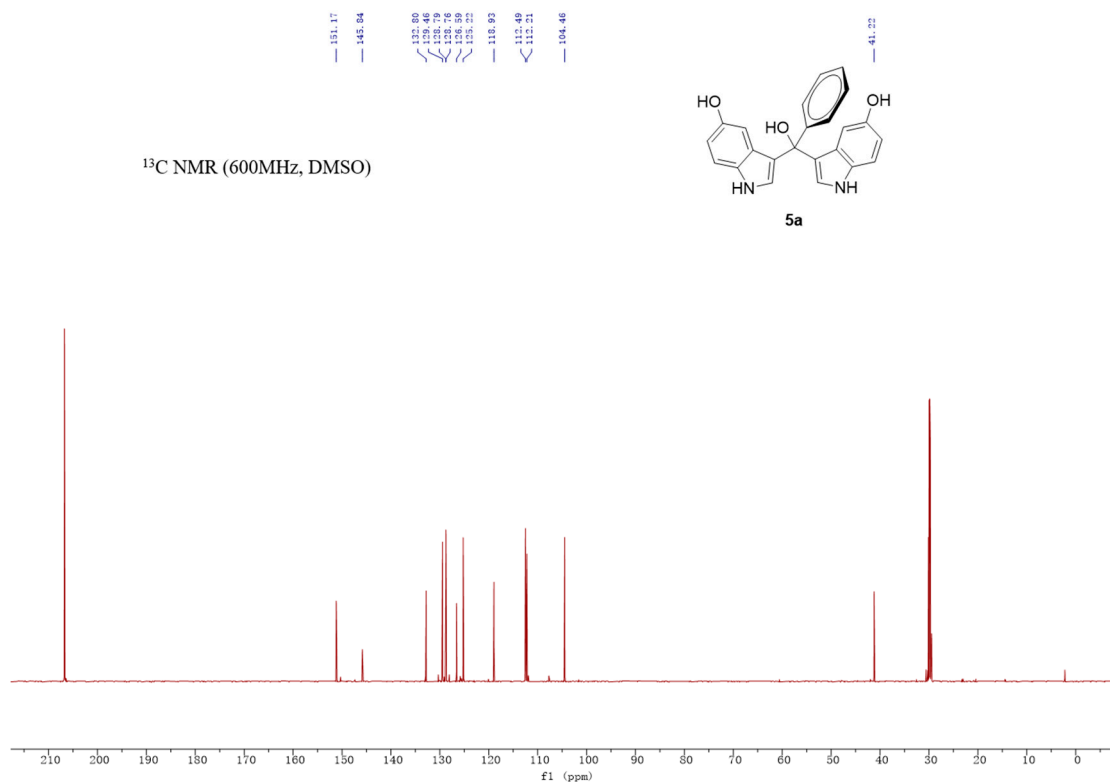
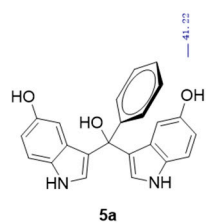


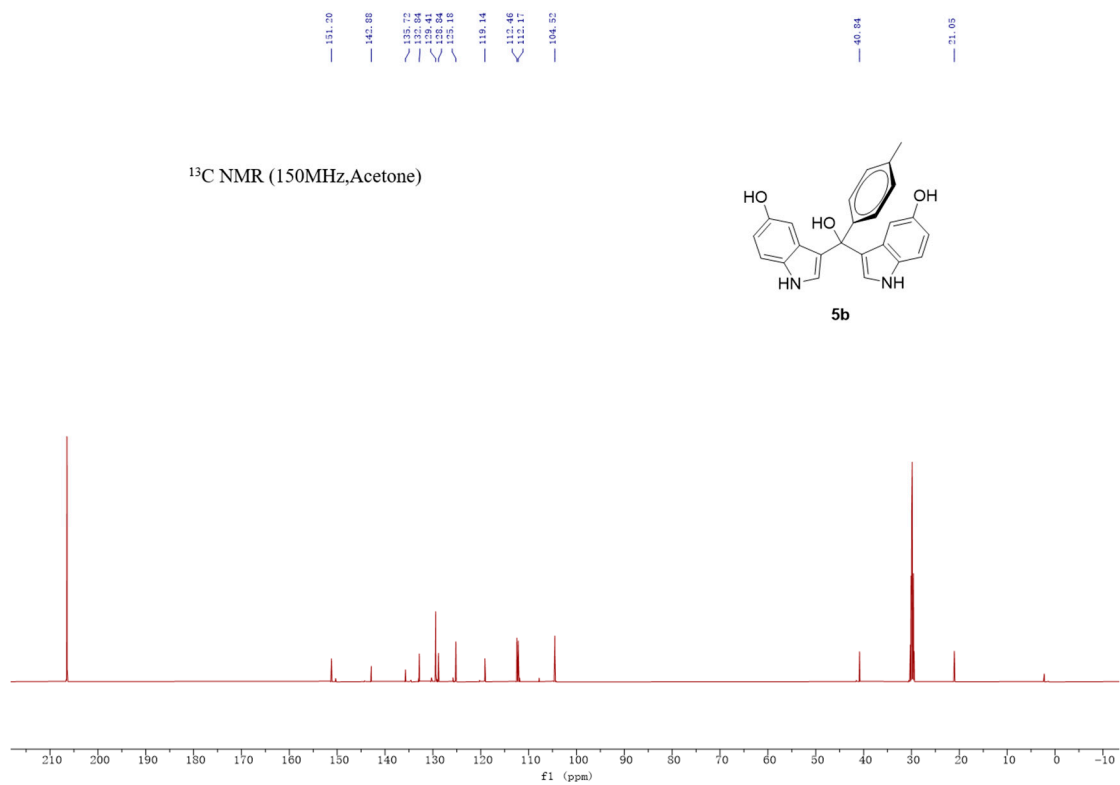
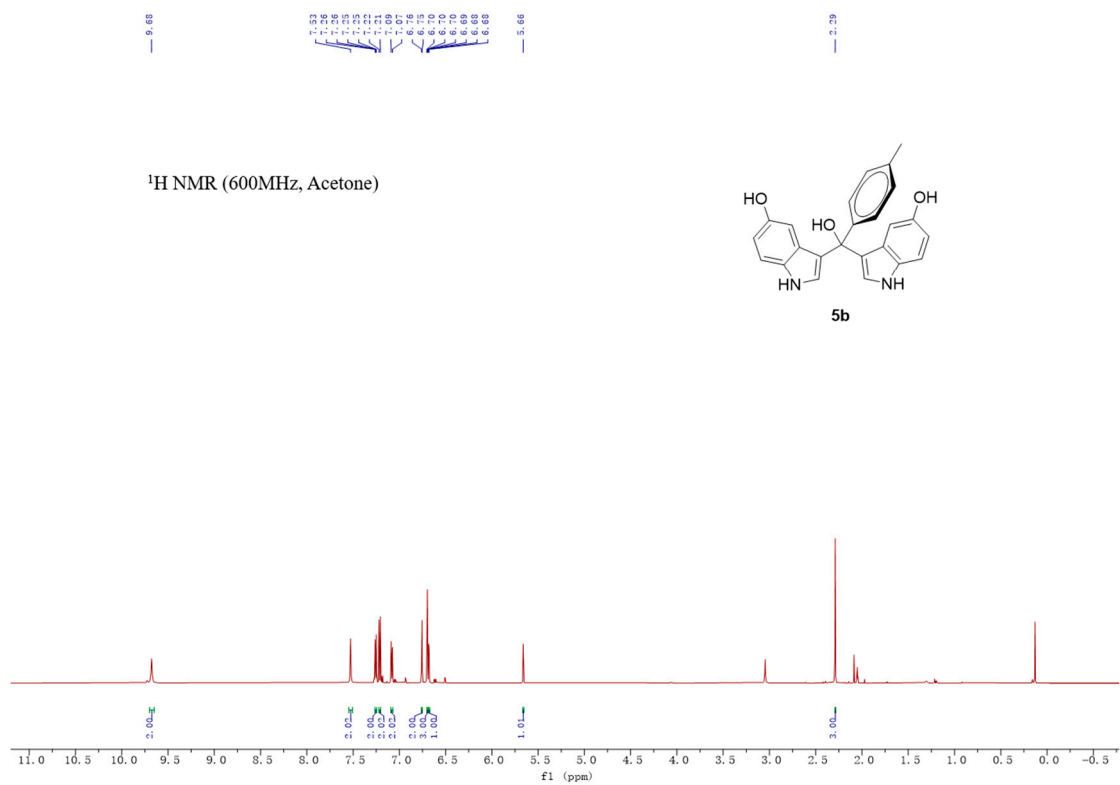


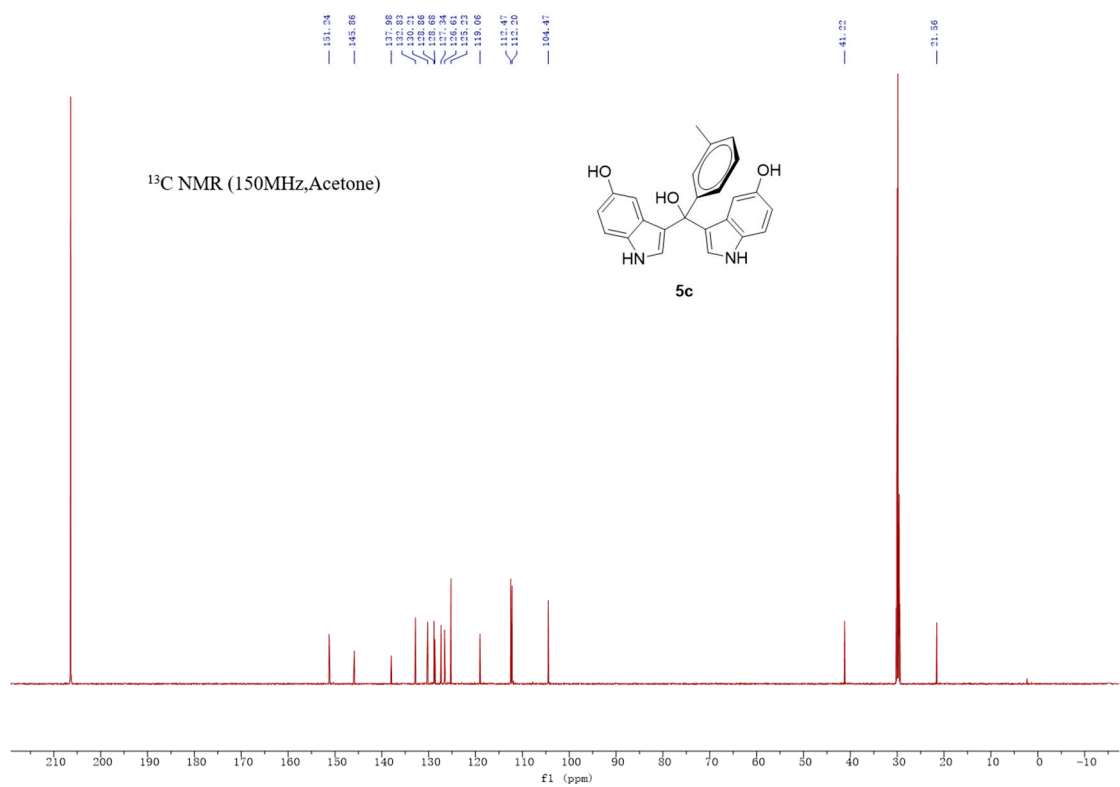
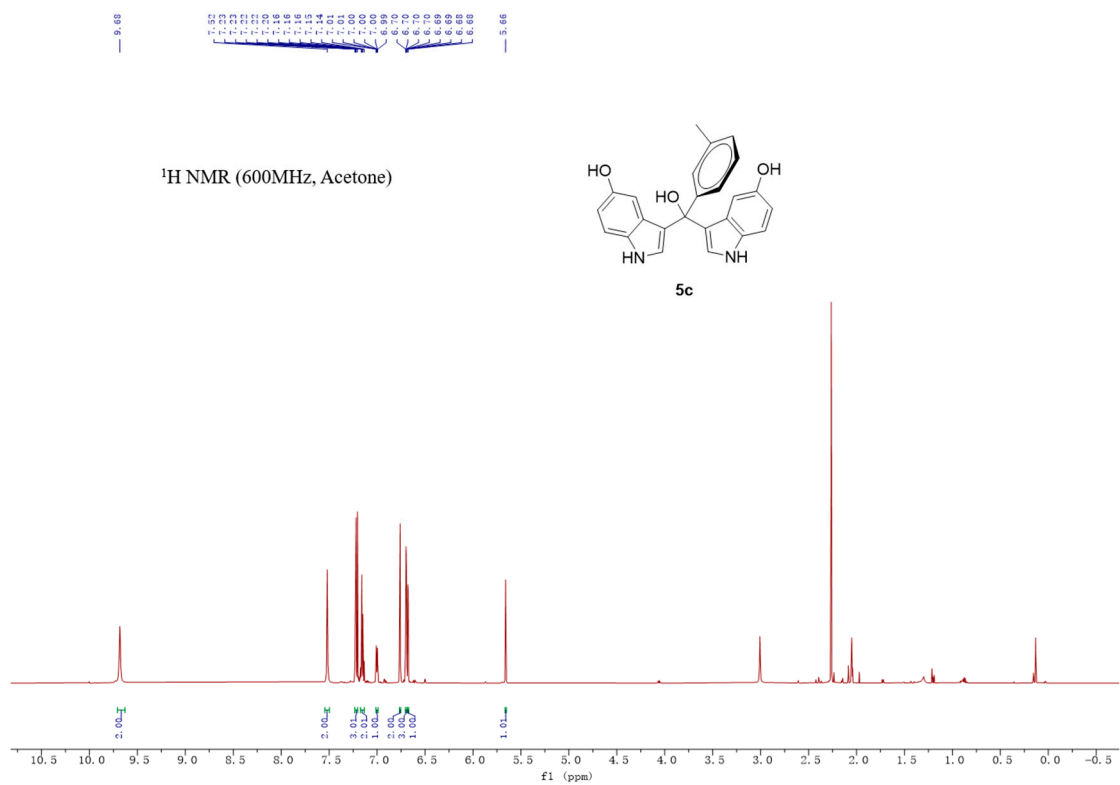
¹H NMR (600MHz, Acetone)

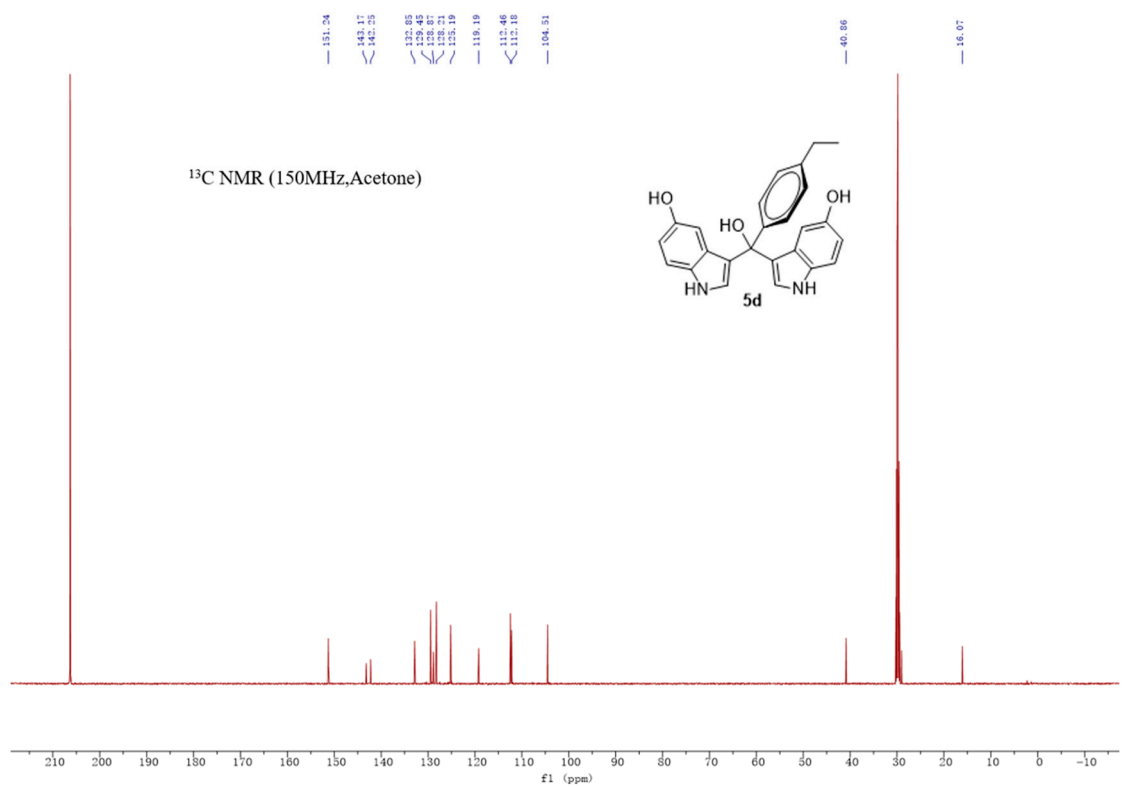
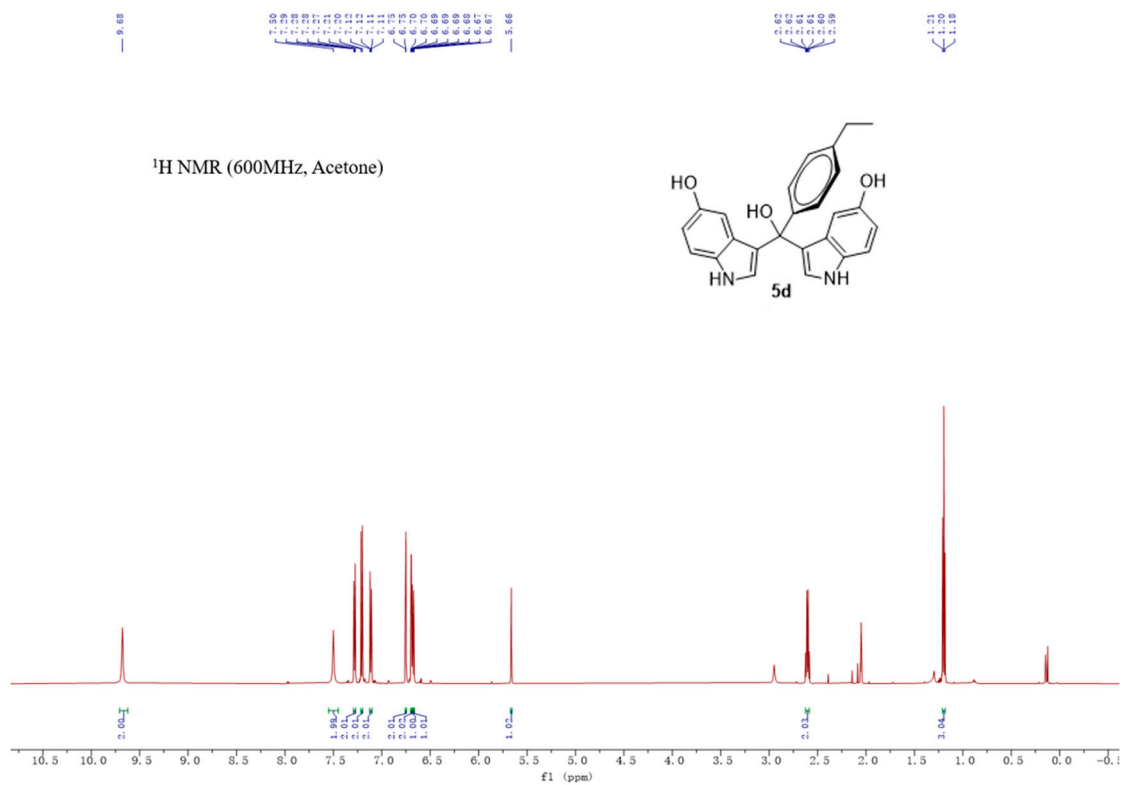


¹³C NMR (600MHz, DMSO)



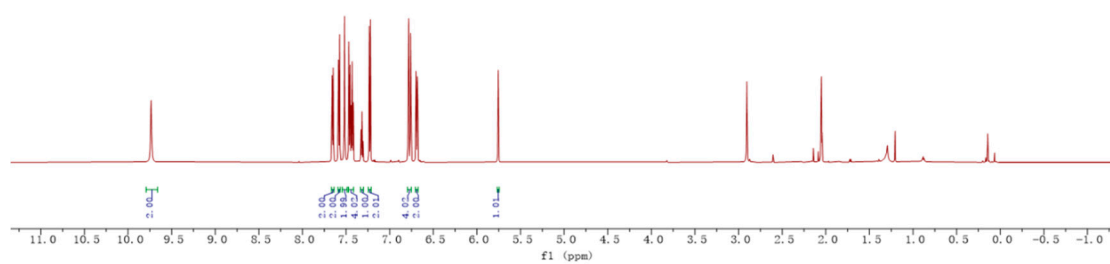
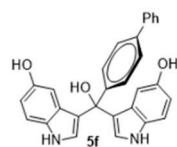




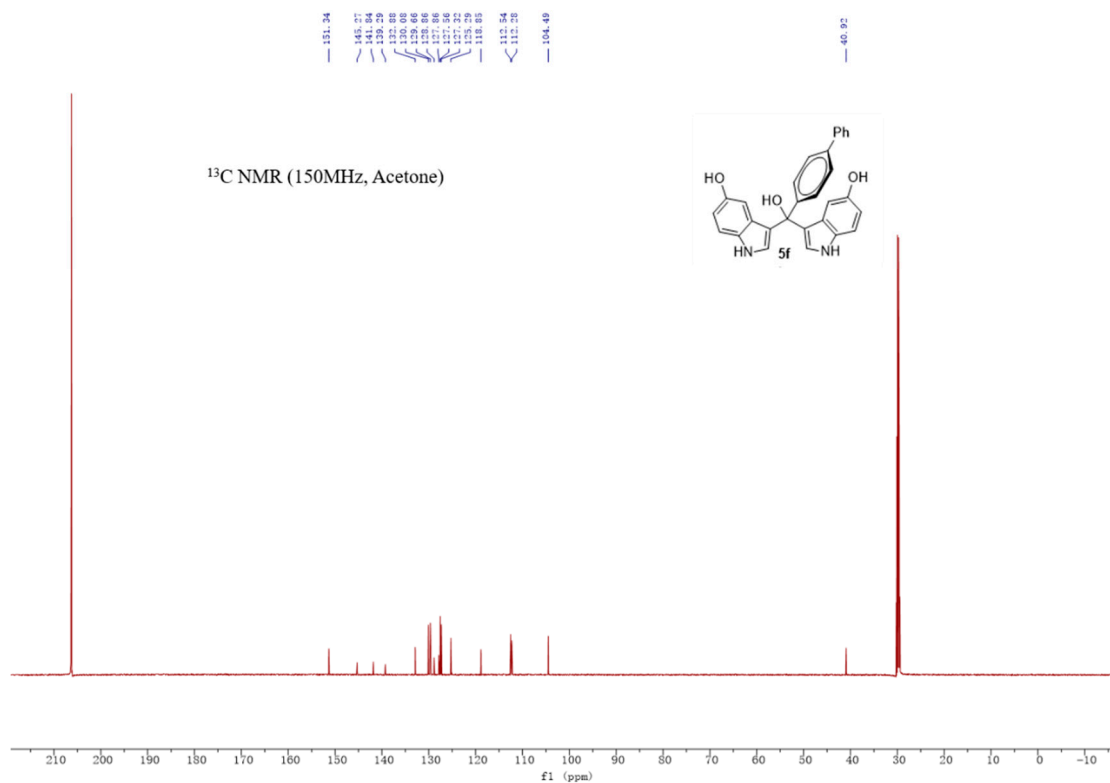
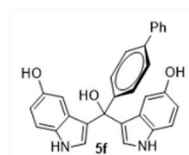


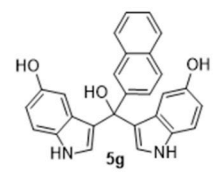
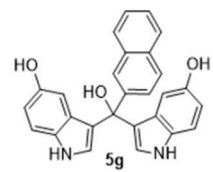


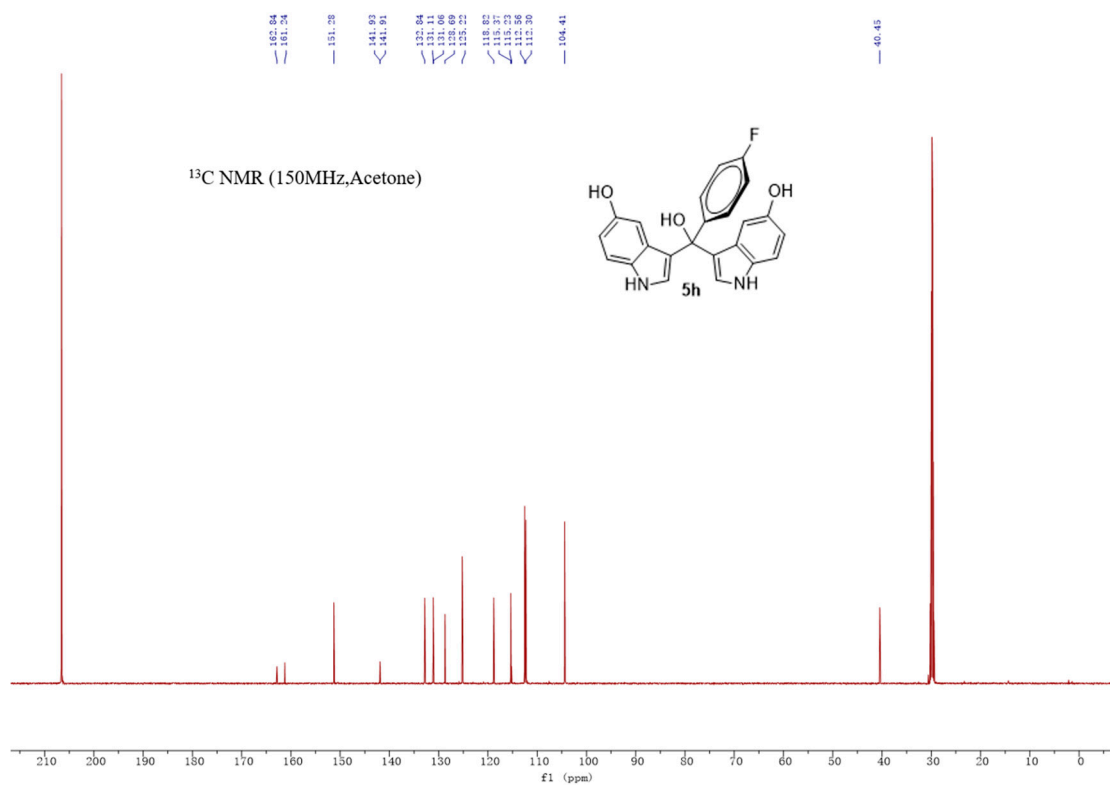
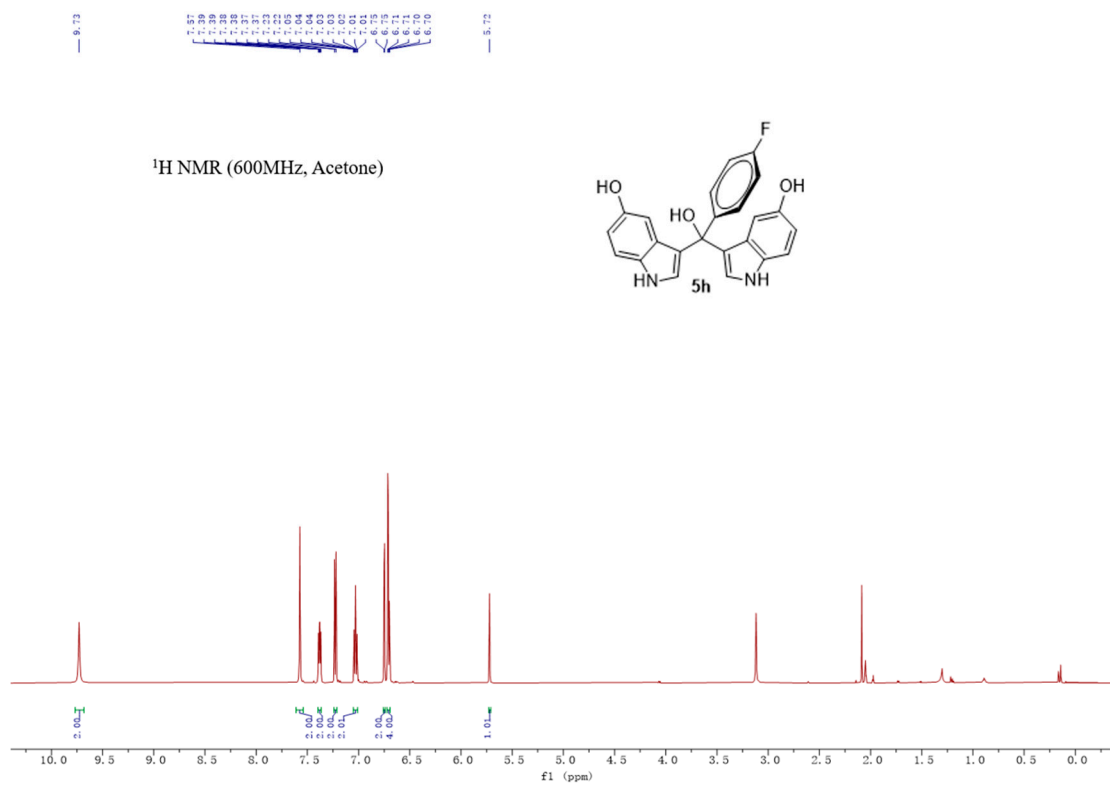
^1H NMR (600MHz, Acetone)

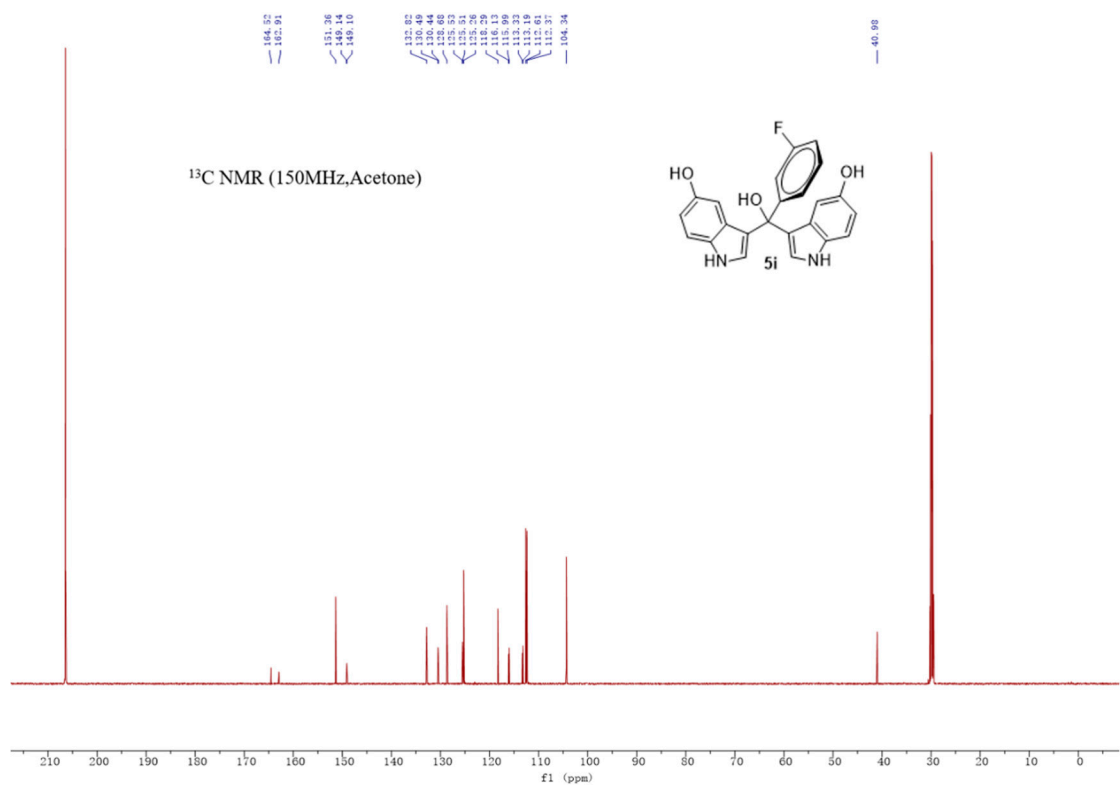
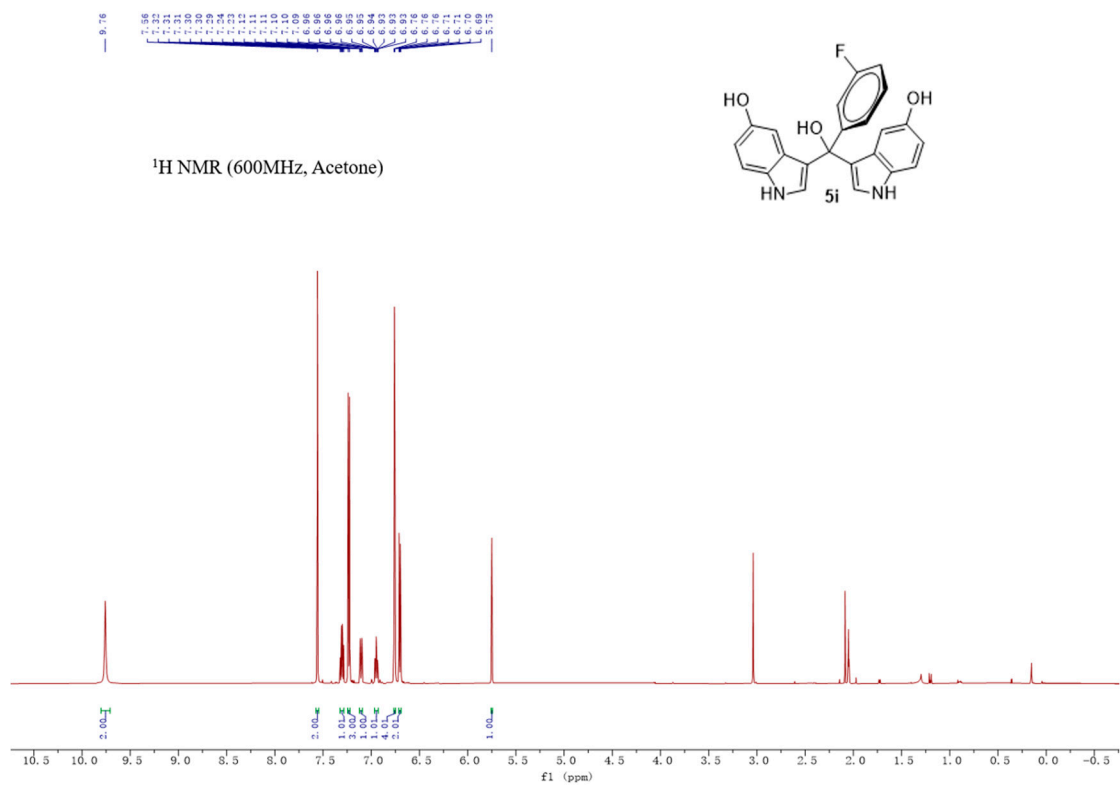


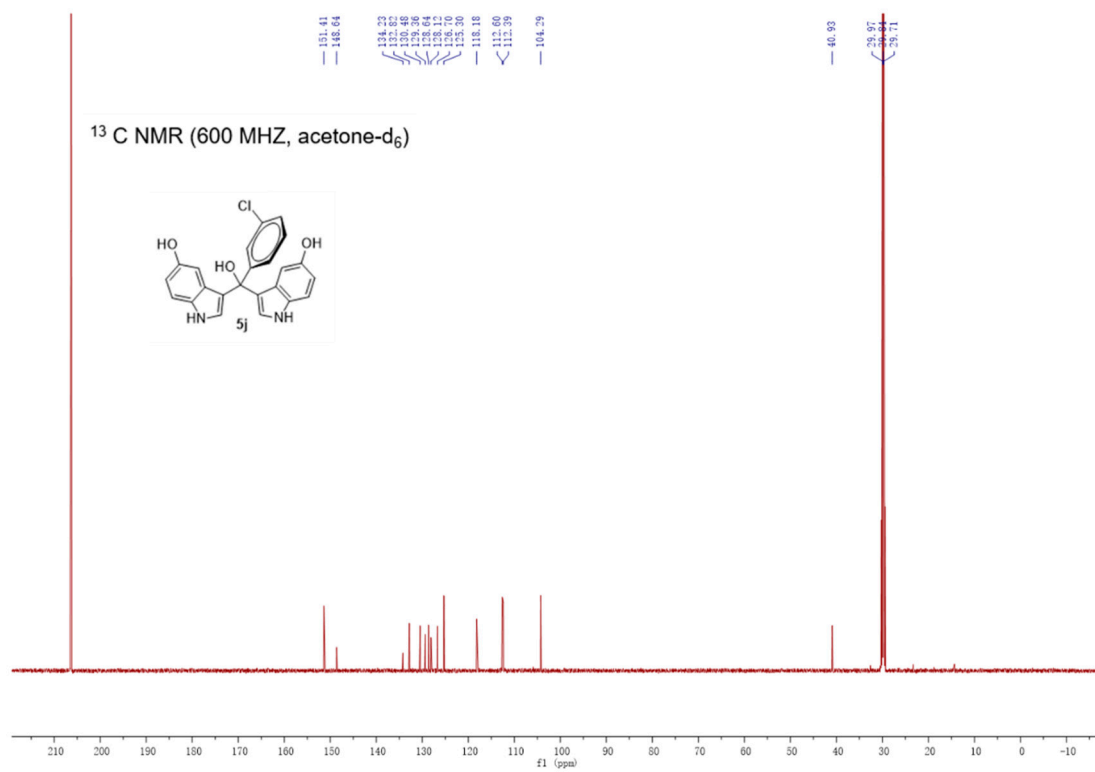
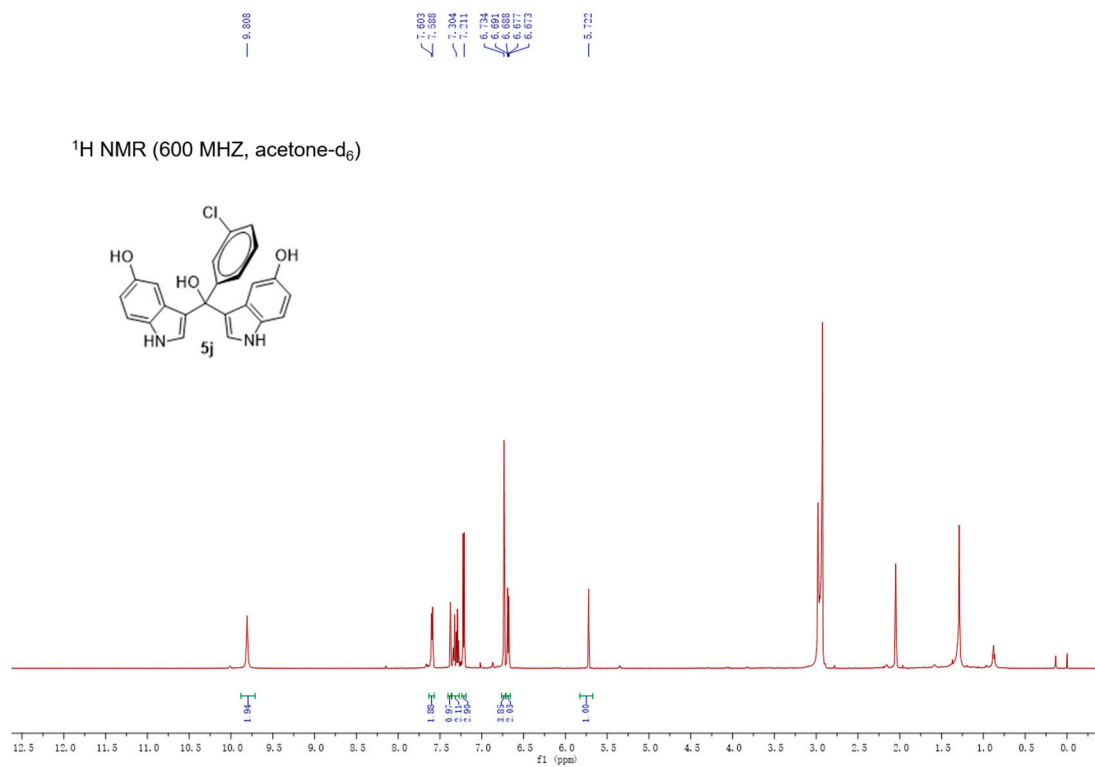
^{13}C NMR (150MHz, Acetone)

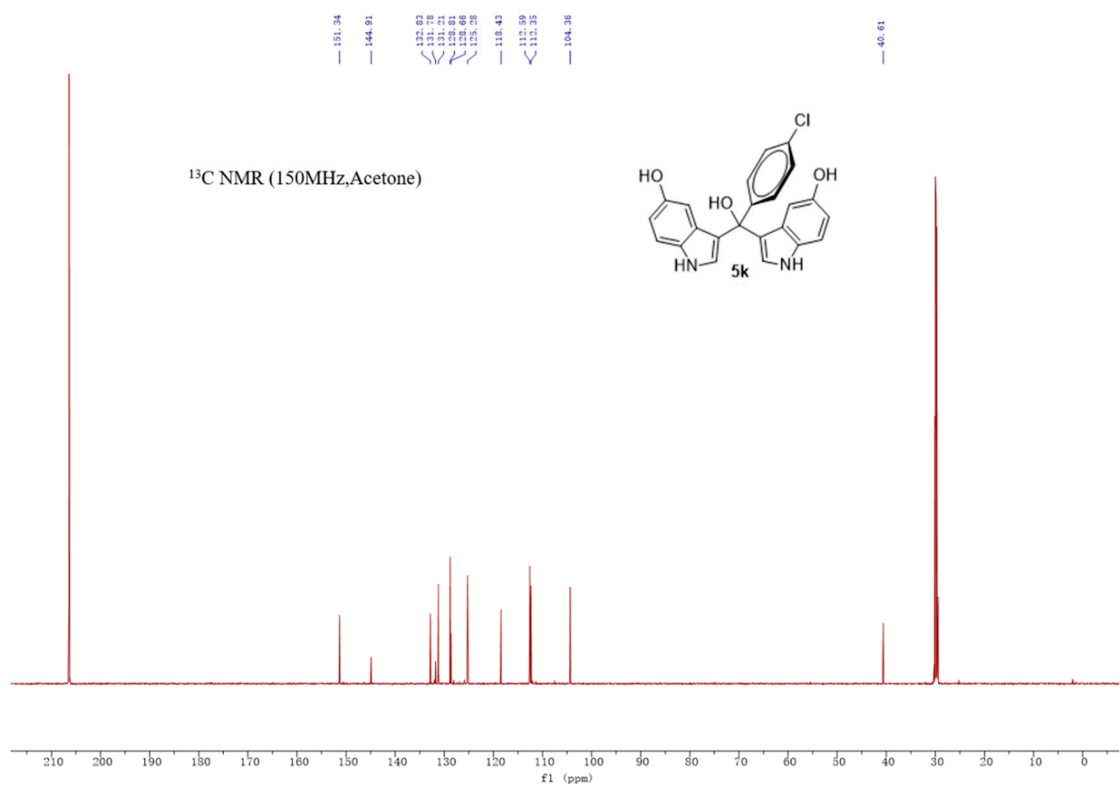
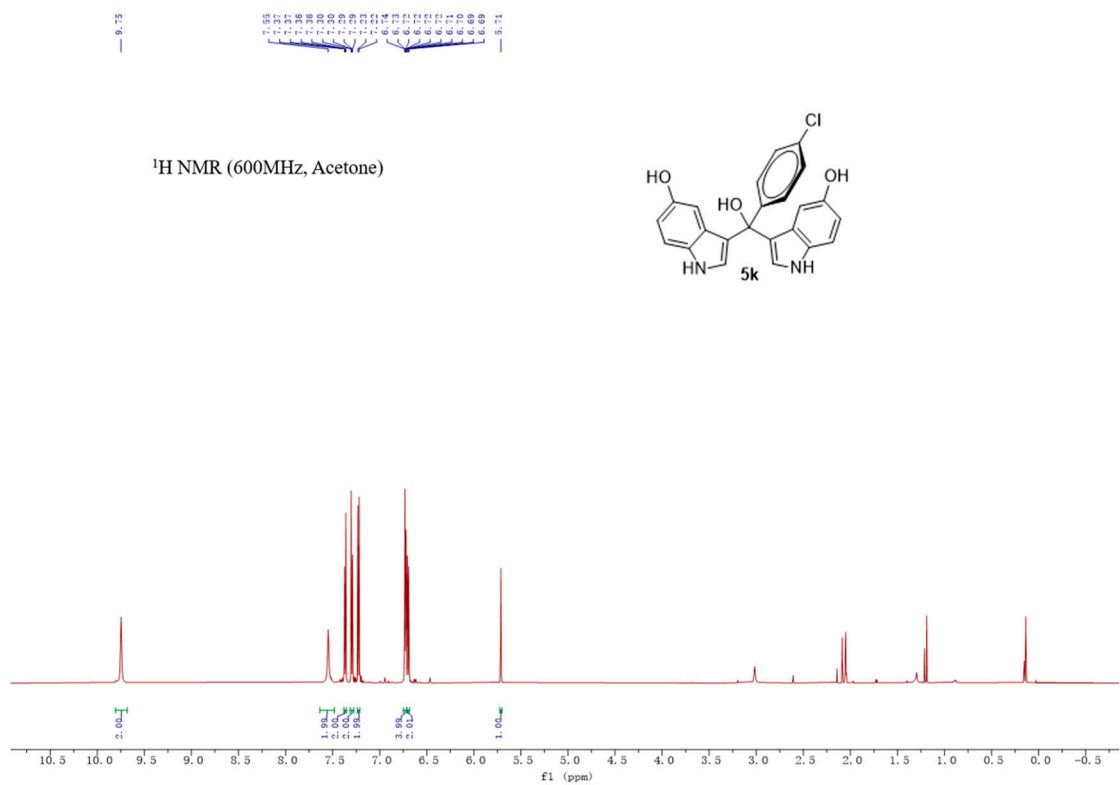


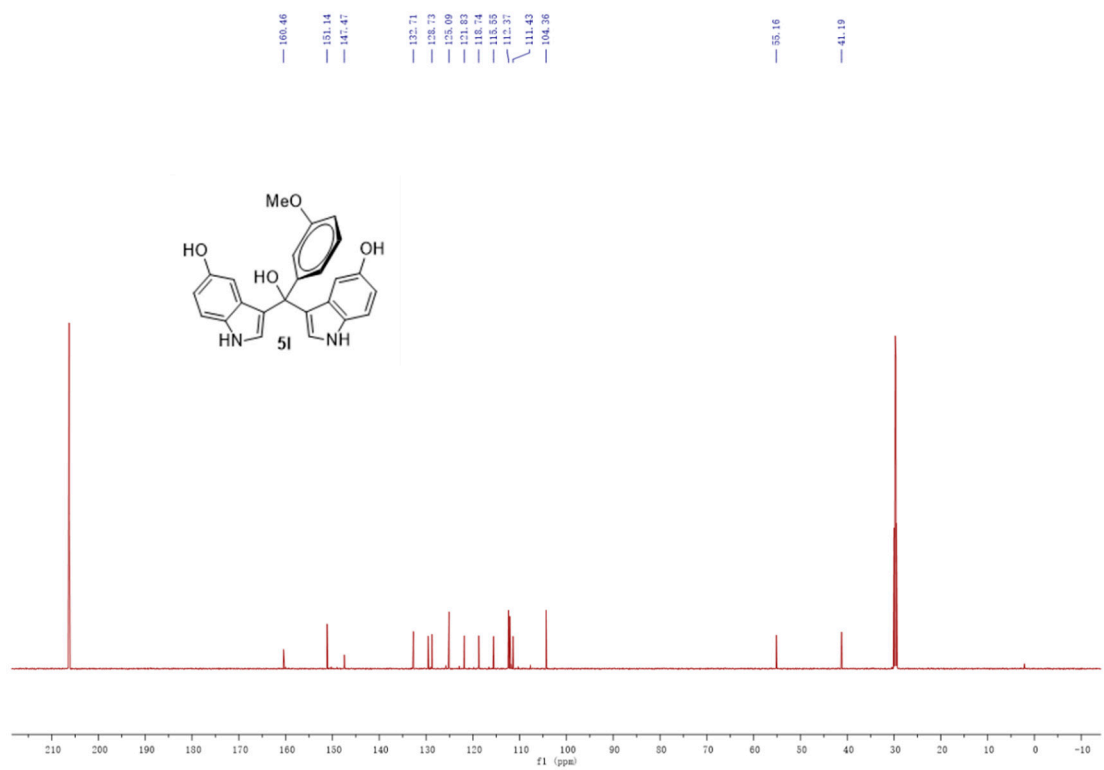
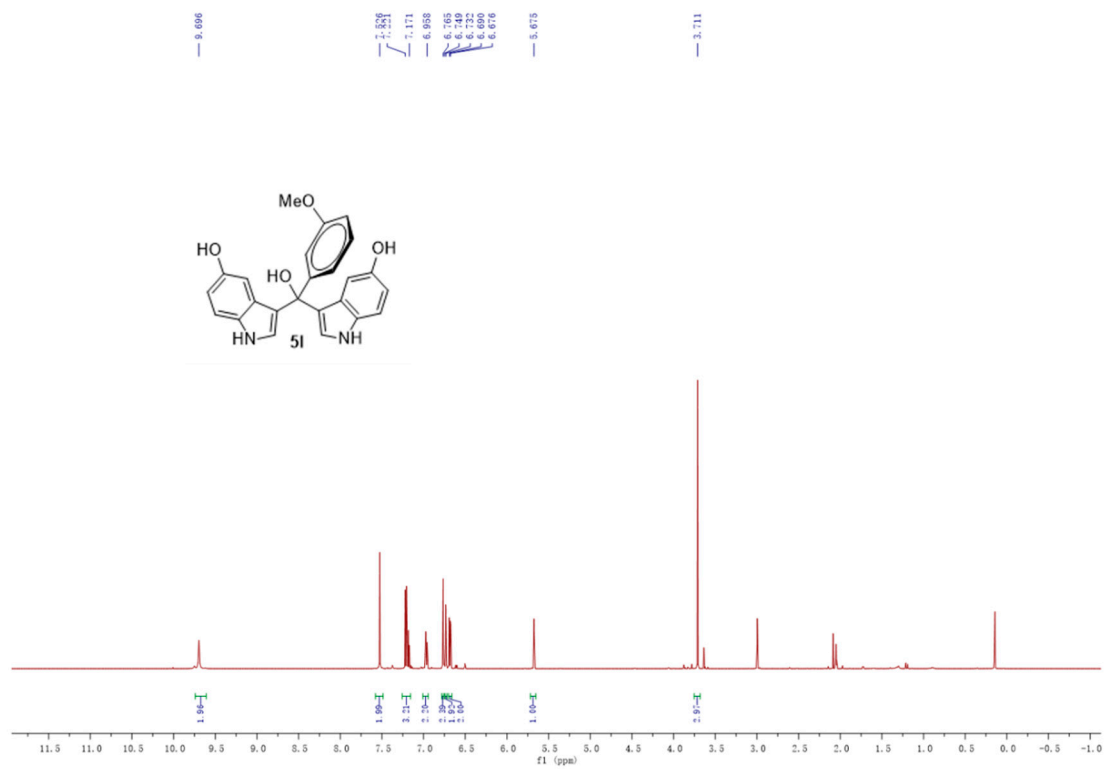






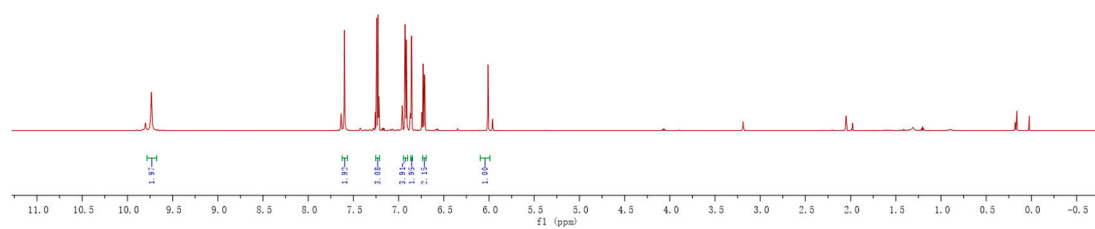
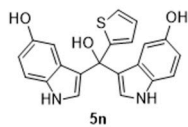








¹H NMR (600 MHz, acetone-d₆)



¹³C NMR (150MHz,Acetone-d₆)

