

# Supporting Information

## 2-Aminophenones, a common precursor to *N*-aryl isatins and acridines endowed with bioactivities

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badri\_sofi@yahoo.fr (G. Bentabed-Ababsa)

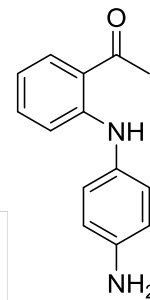
laurent.picot@univ-lr.fr (L. Picot)

bach@sb-roscoff.fr (S. Bach)

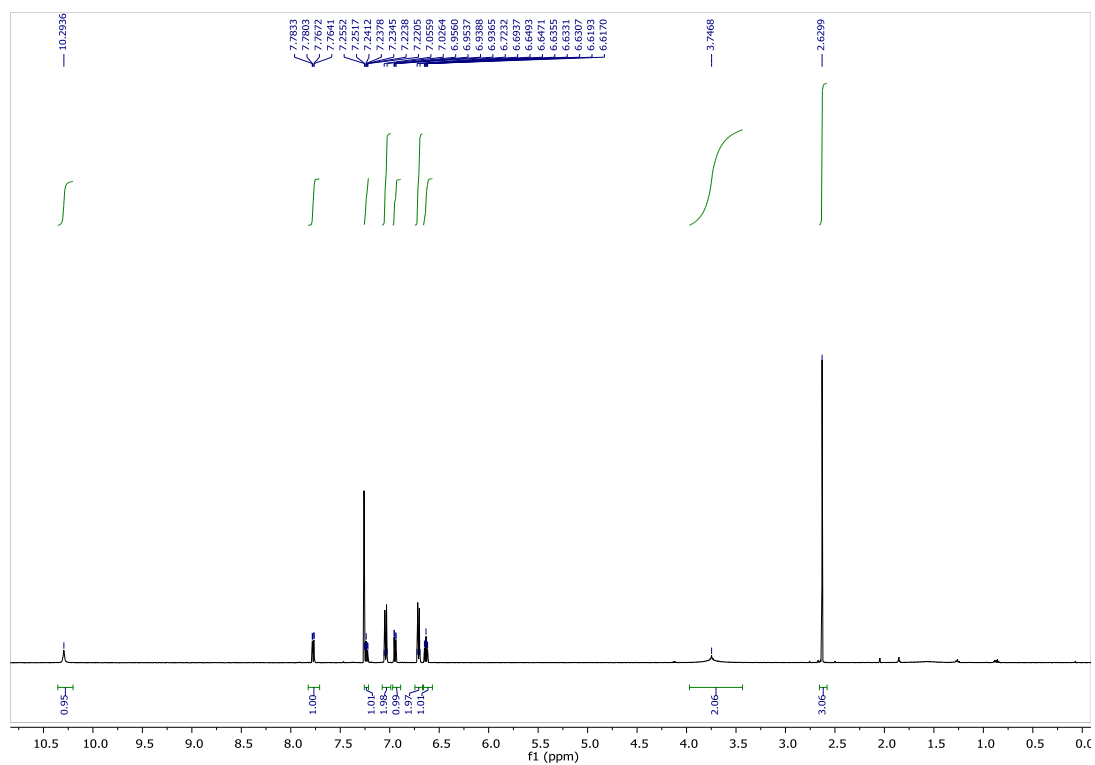
florence.mongin@univ-rennes1.fr (F. Mongin).

**NMR data of compounds 2e, 2k, 3l, 3m, 3o, 4m, 4o, 4p, 6i, 6j, 6m, 8p, 8q, 9e, 9k, 9l, 9m and 10l**

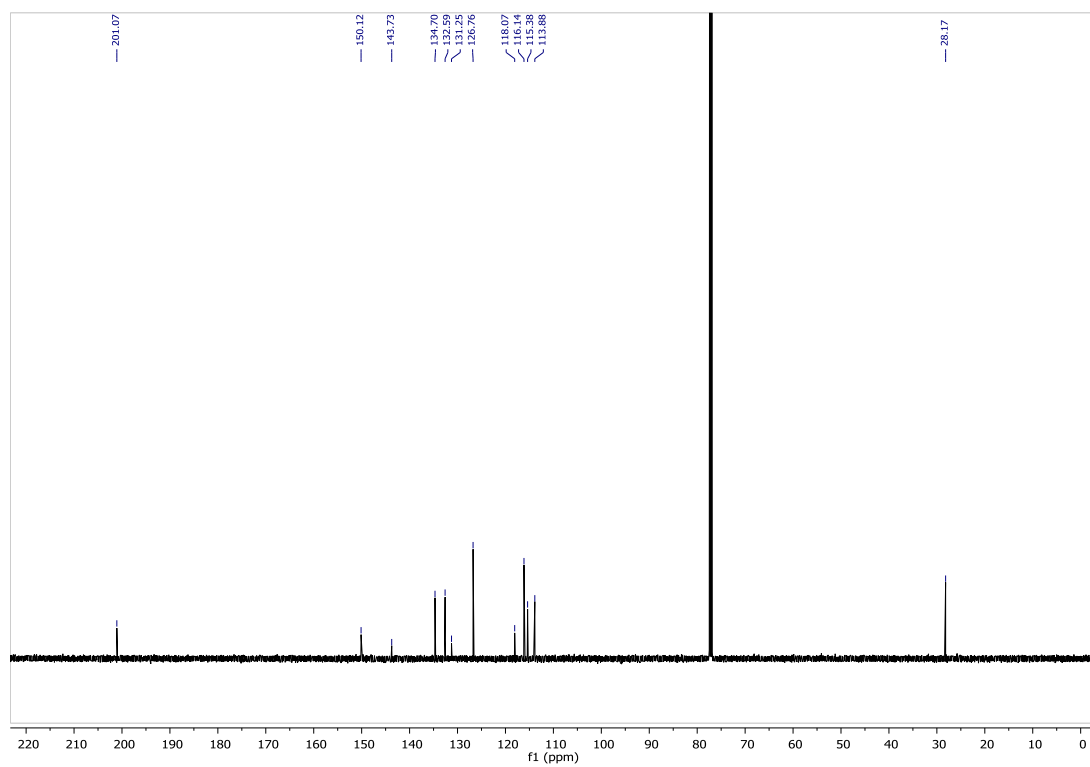
# Compound 2e



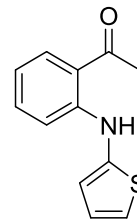
## $^1\text{H}$ NMR (500 MHz, $\text{CDCl}_3$ )



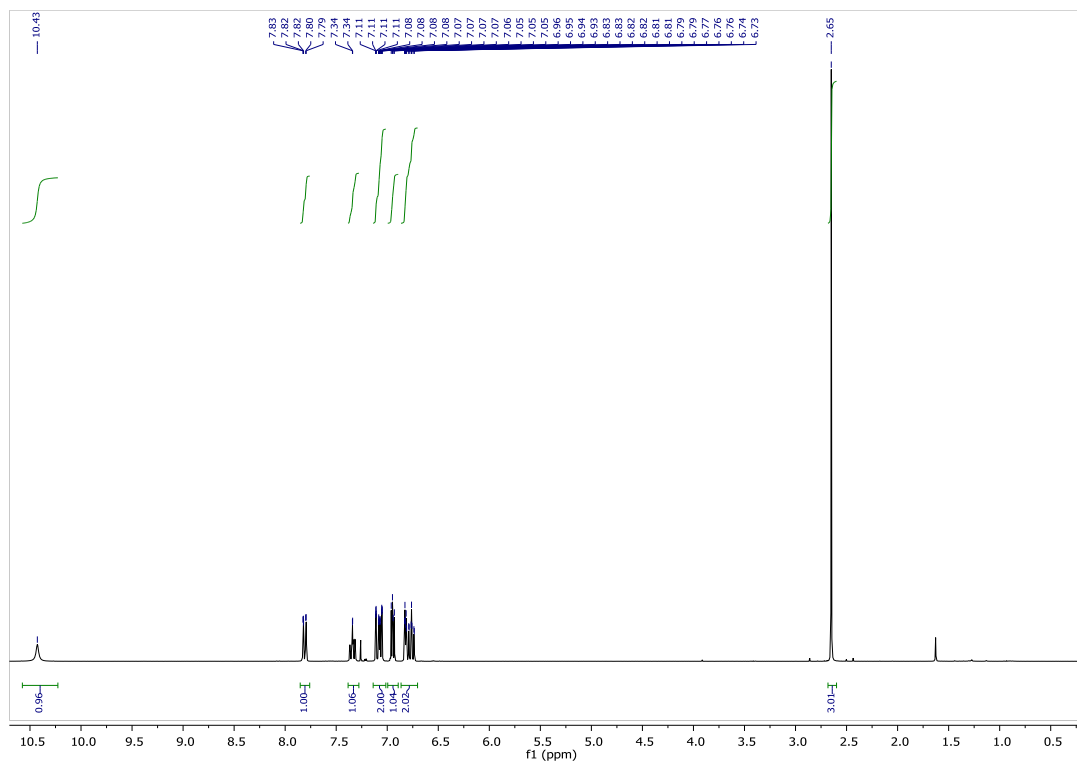
## $^{13}\text{C}$ NMR (75 MHz, $\text{CDCl}_3$ )



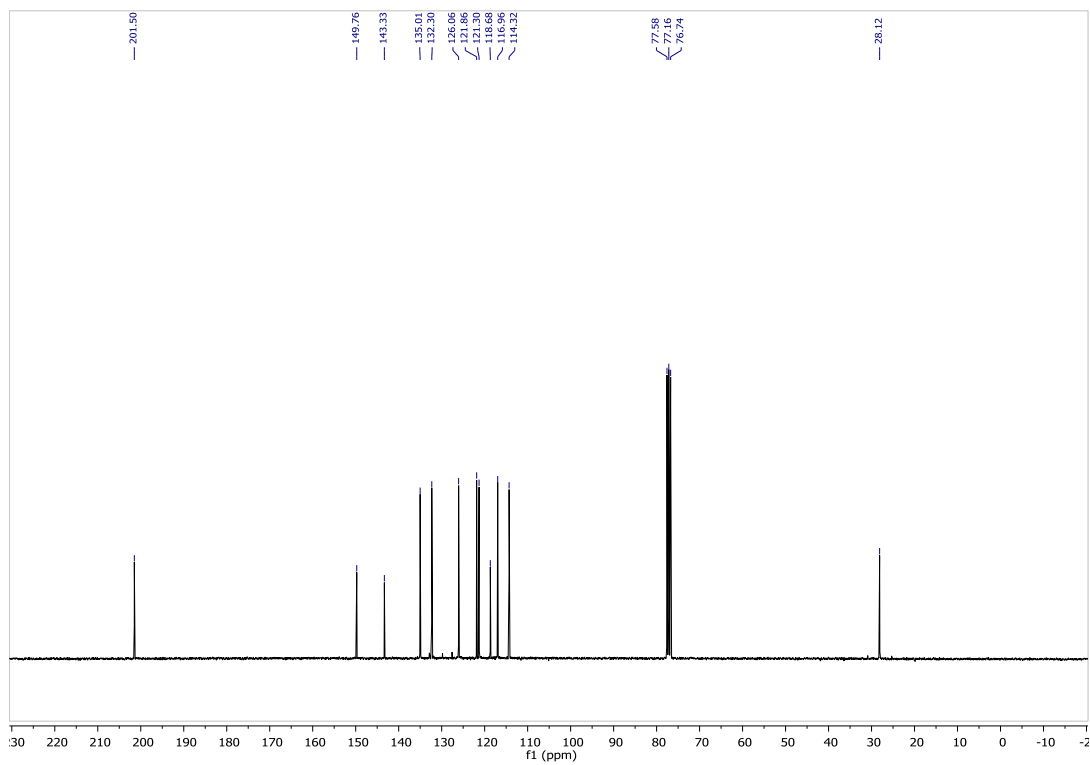
# Compound 2k



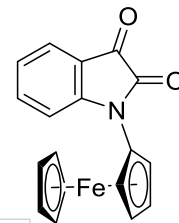
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



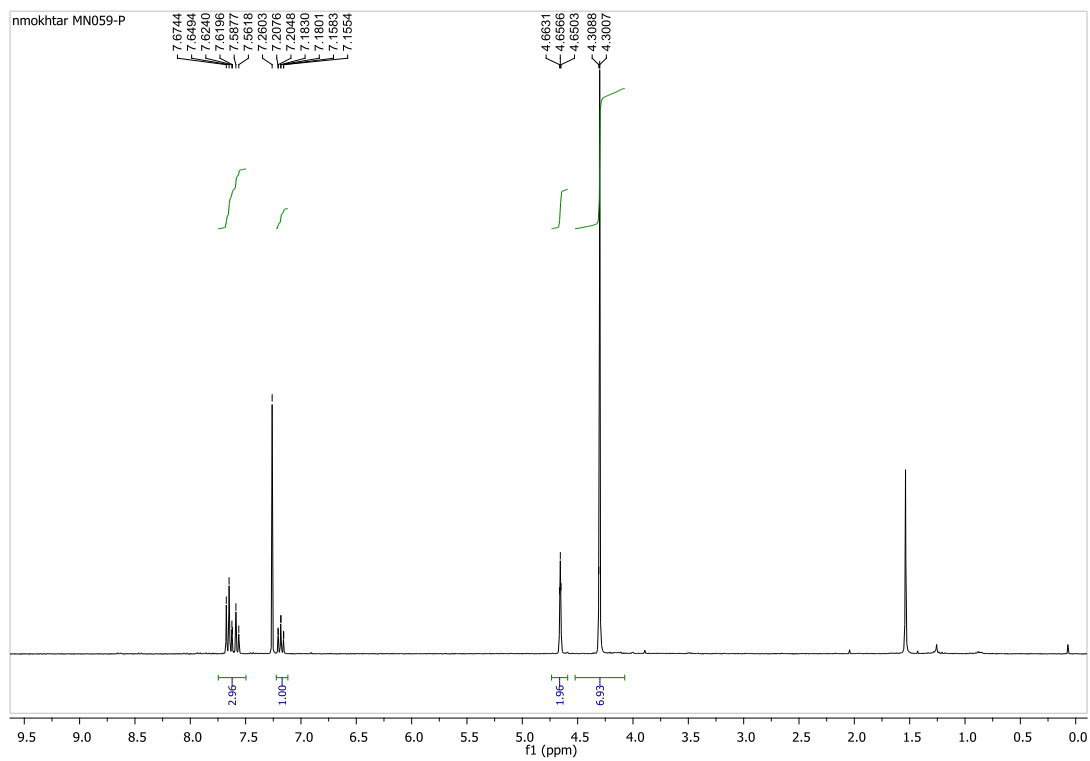
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



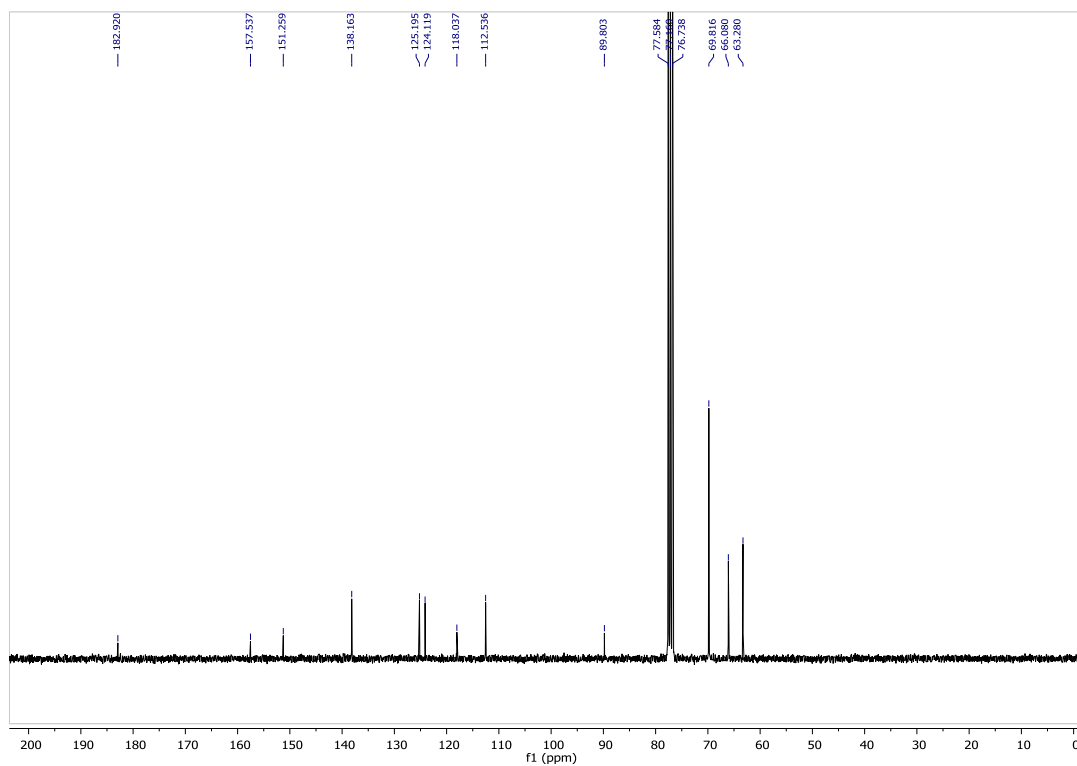
# Compound 3l



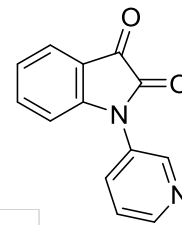
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



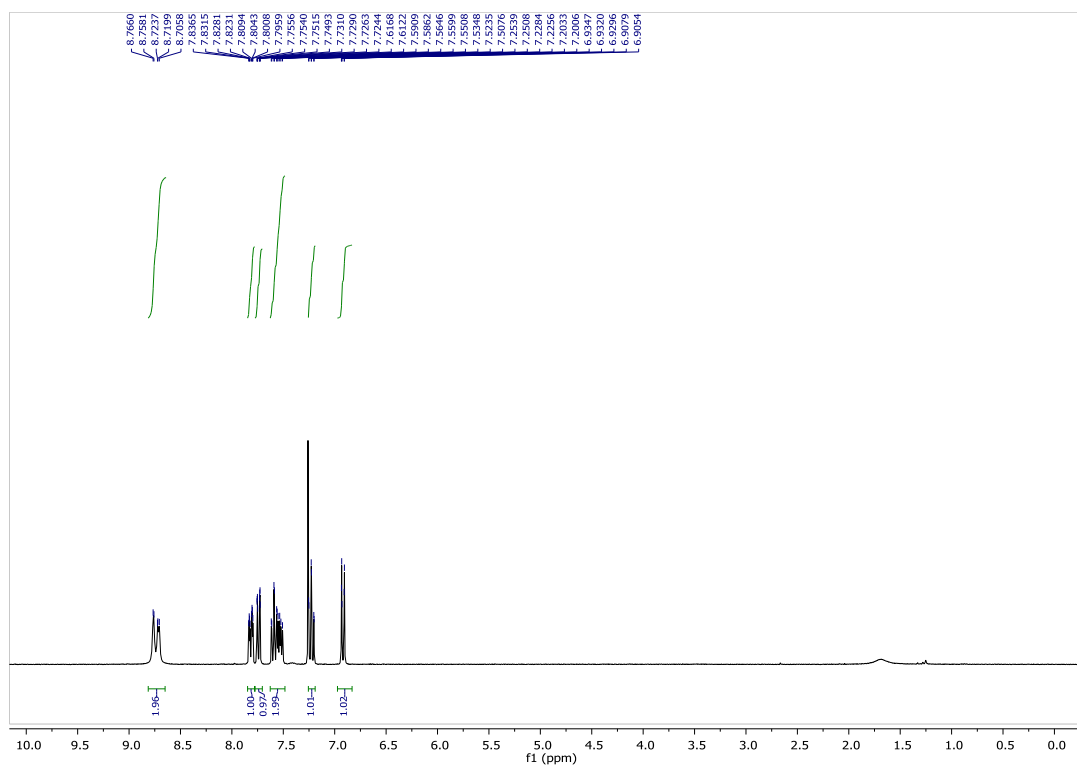
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



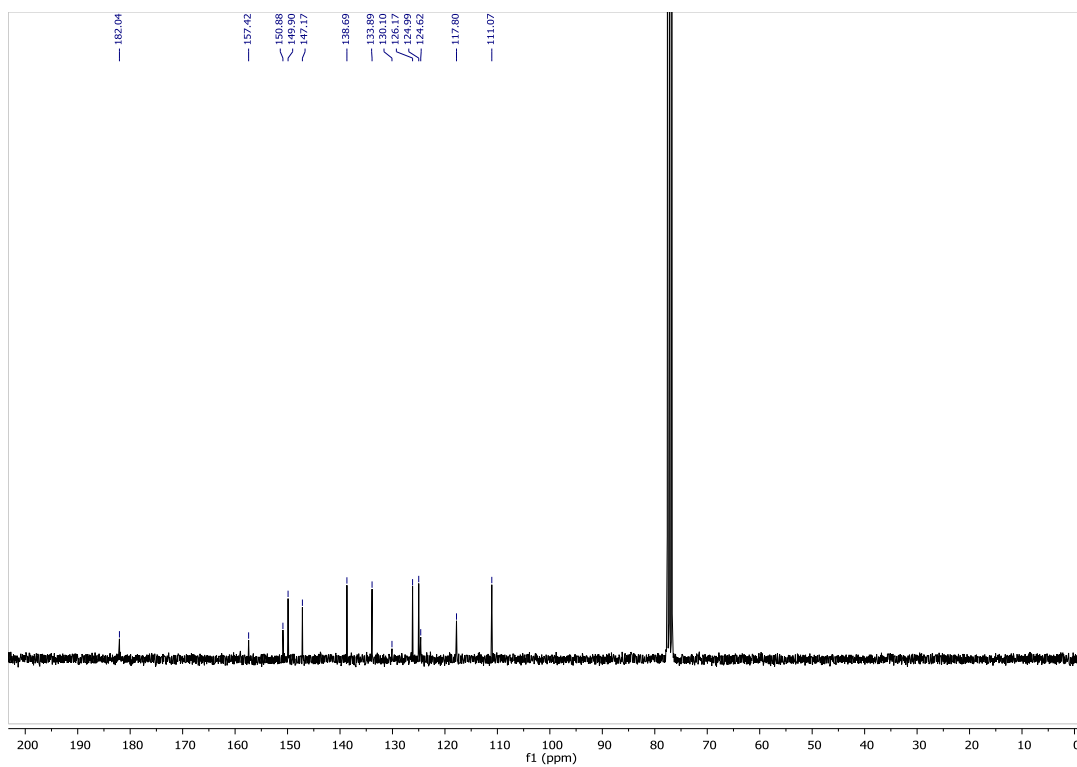
# Compound 3m



$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )

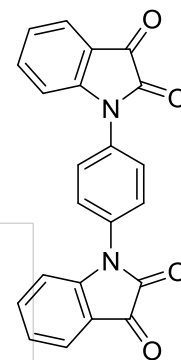
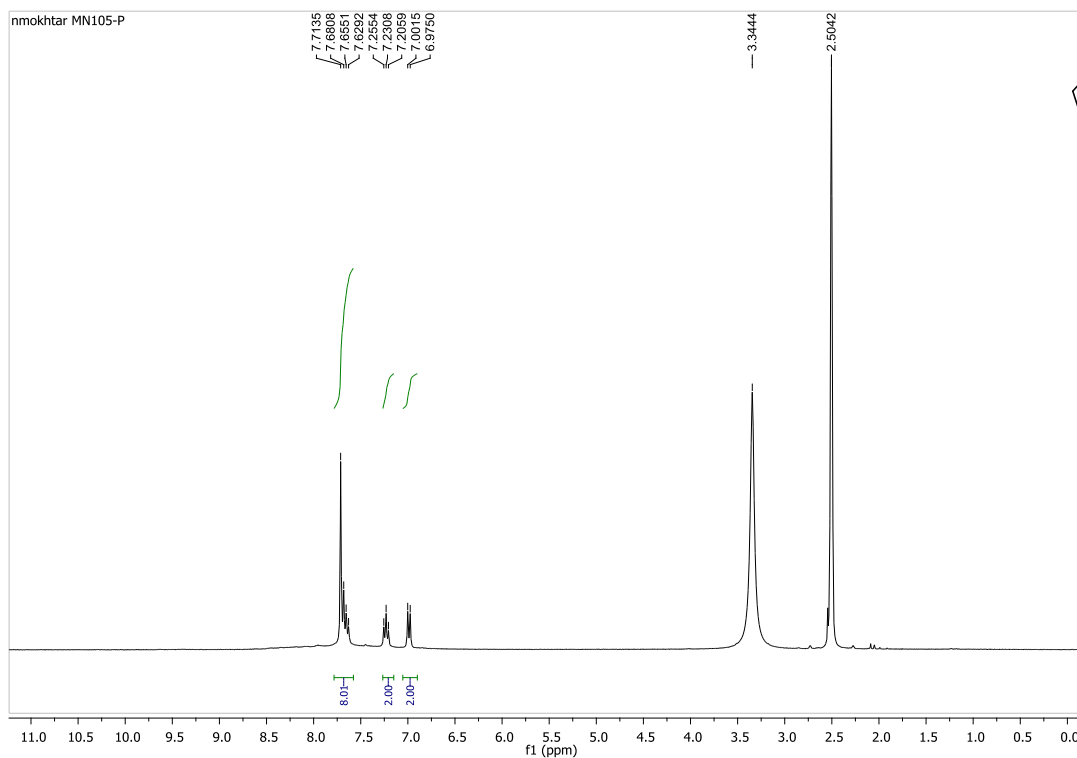


$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )

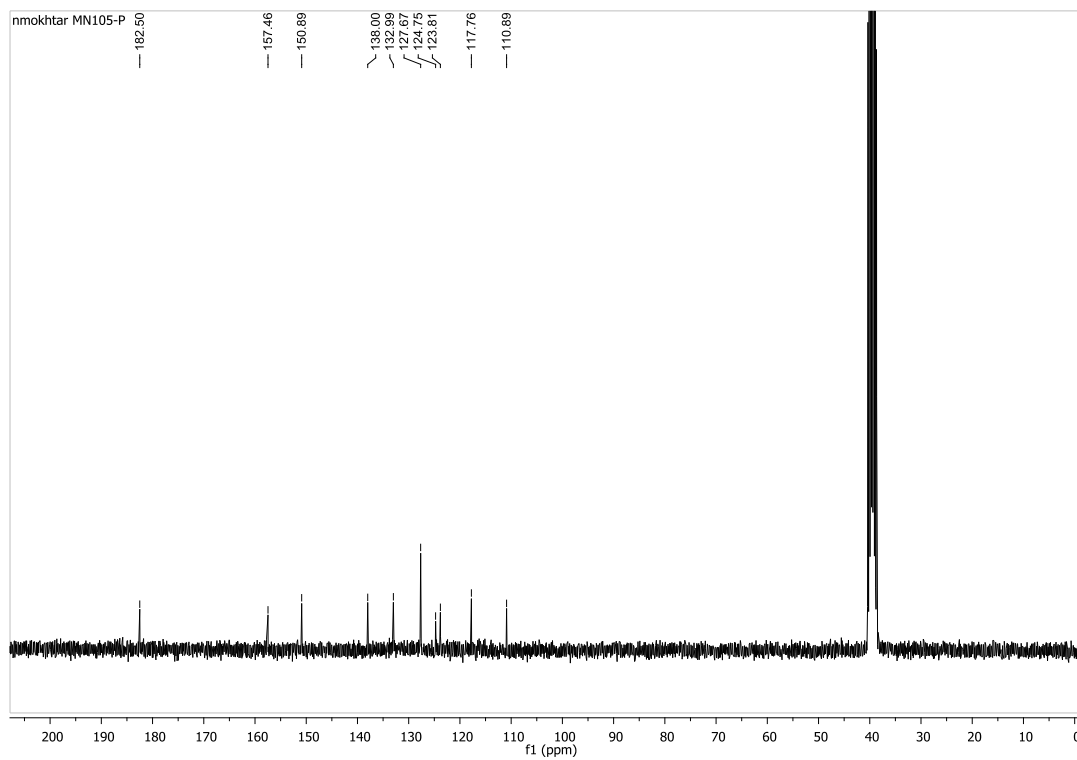


# Compound 30

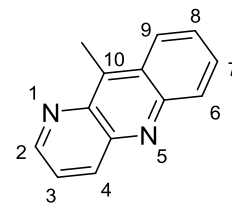
$^1\text{H}$  NMR (300 MHz,  $(\text{CD}_3)_2\text{SO}$ )



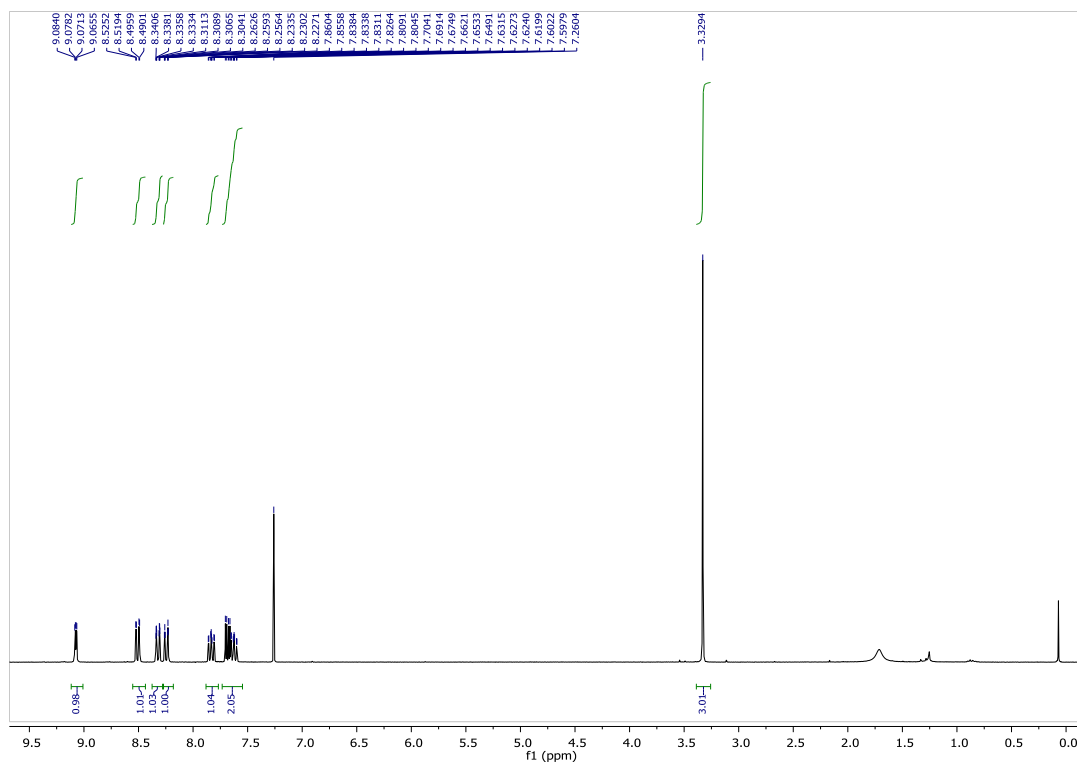
$^{13}\text{C}$  NMR (75 MHz,  $(\text{CD}_3)_2\text{SO}$ )



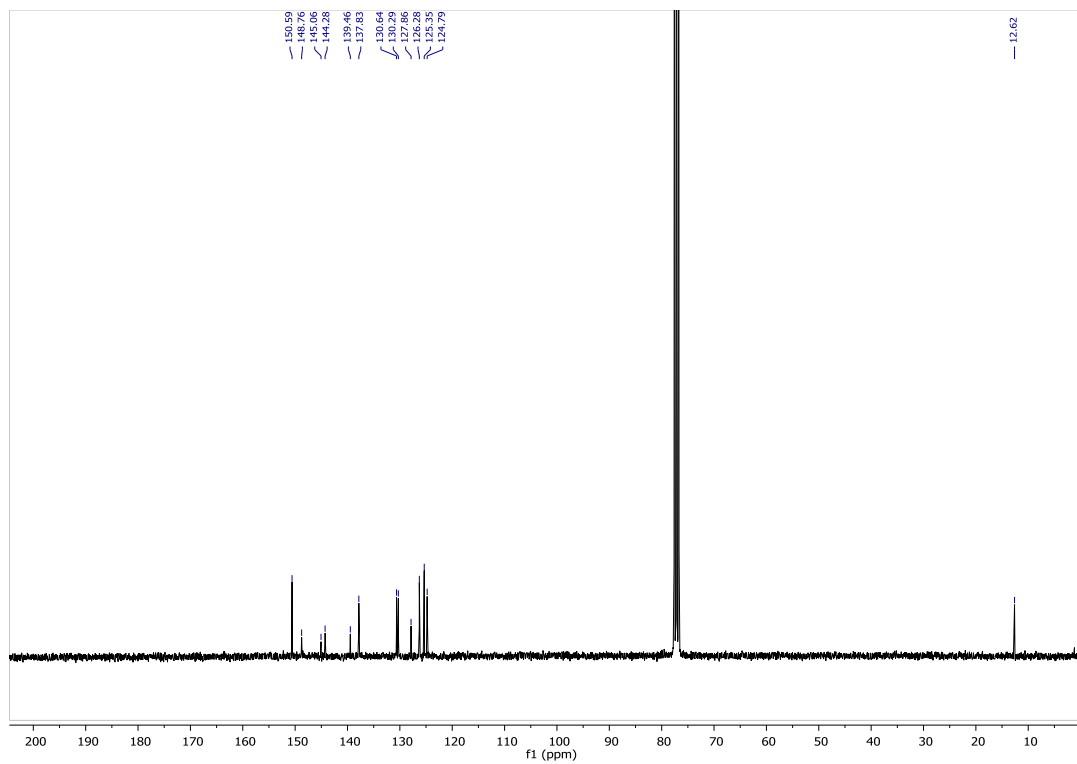
# Compound 4m



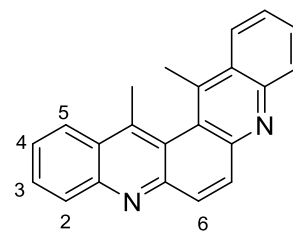
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



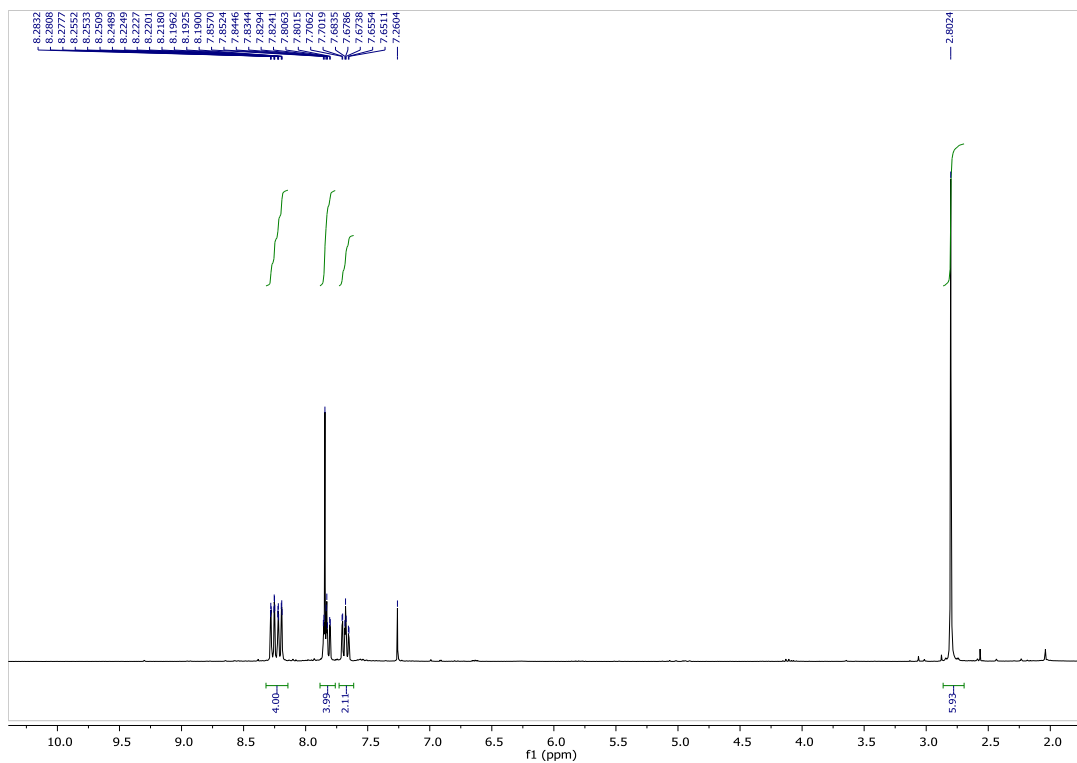
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



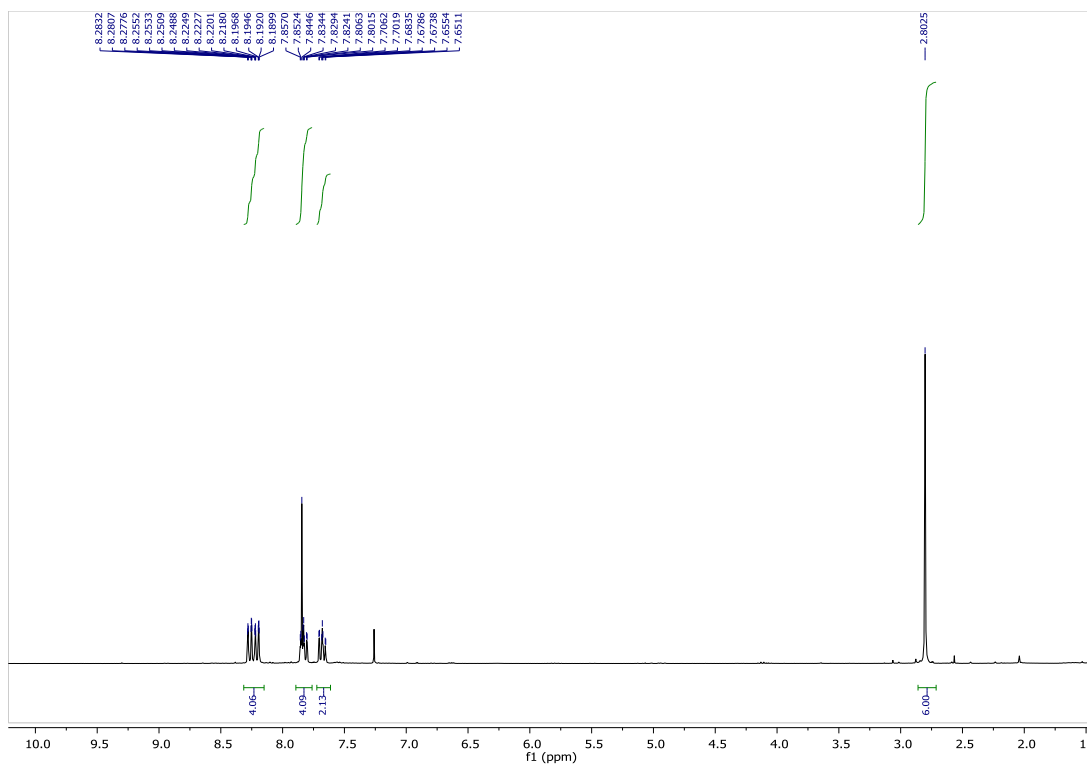
# Compound 4o



$^1\text{H NMR}$  (300 MHz,  $\text{CDCl}_3$ )

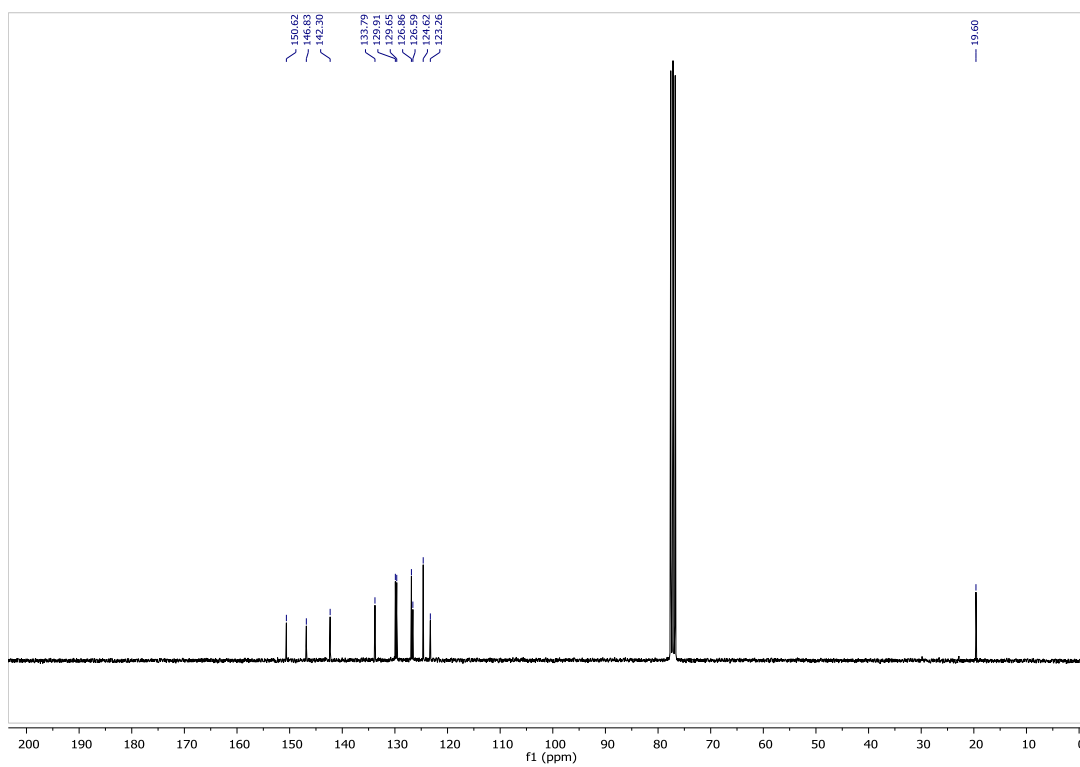


$^1\text{H NMR}$  (500 MHz,  $\text{CDCl}_3$ )

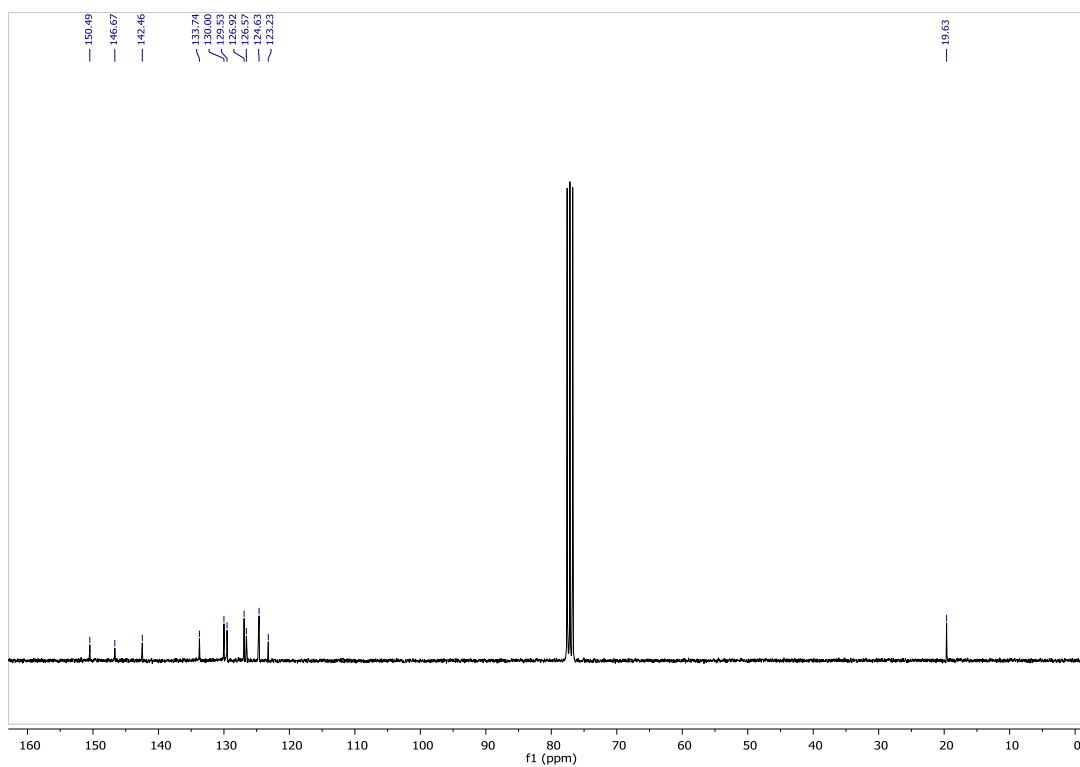




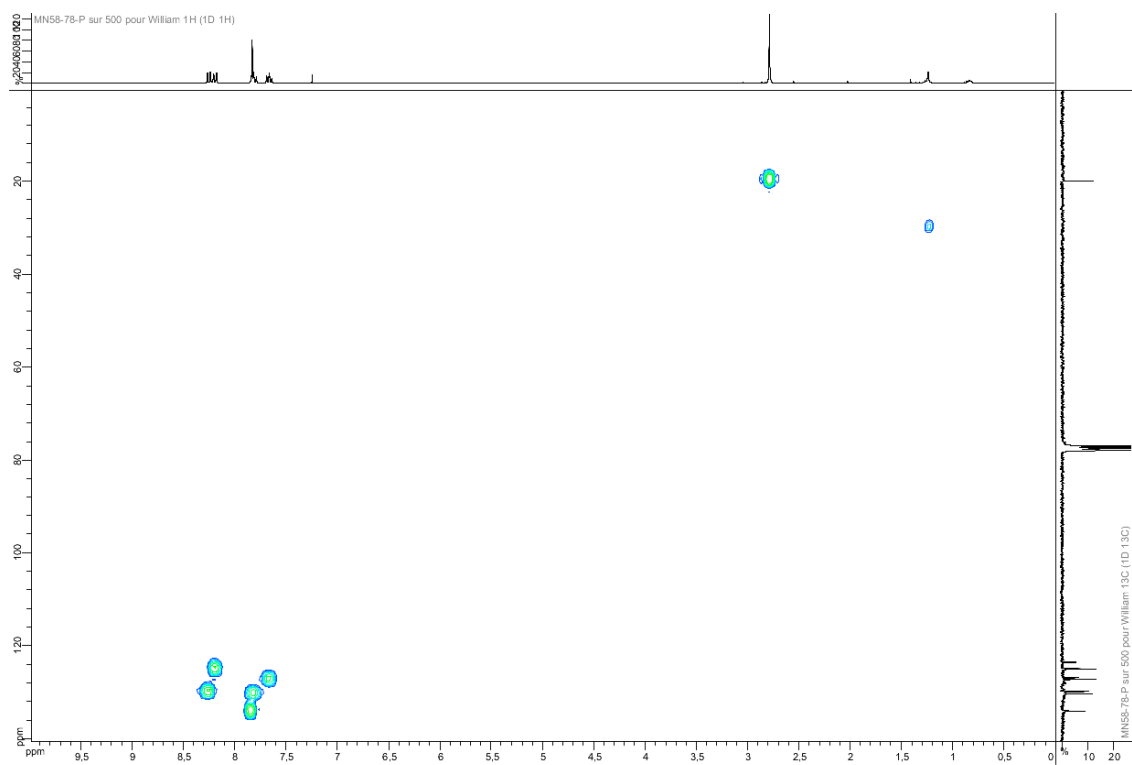
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



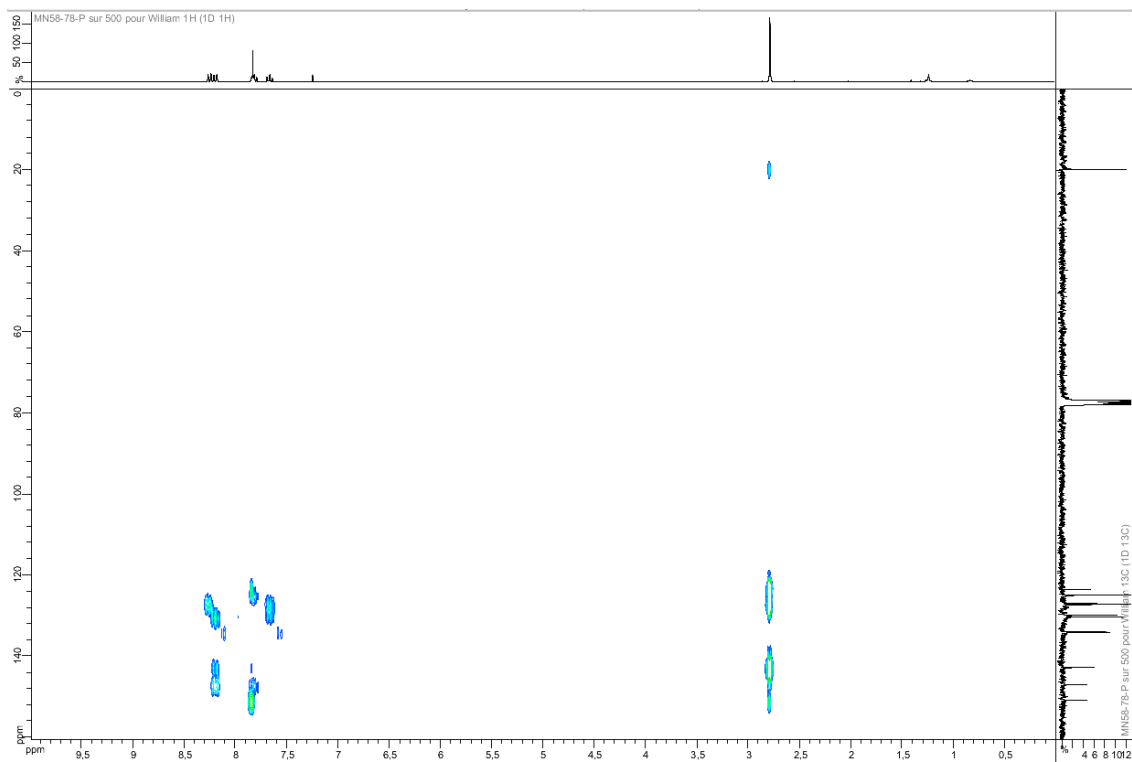
$^{13}\text{C}$  NMR (126 MHz,  $\text{CDCl}_3$ )



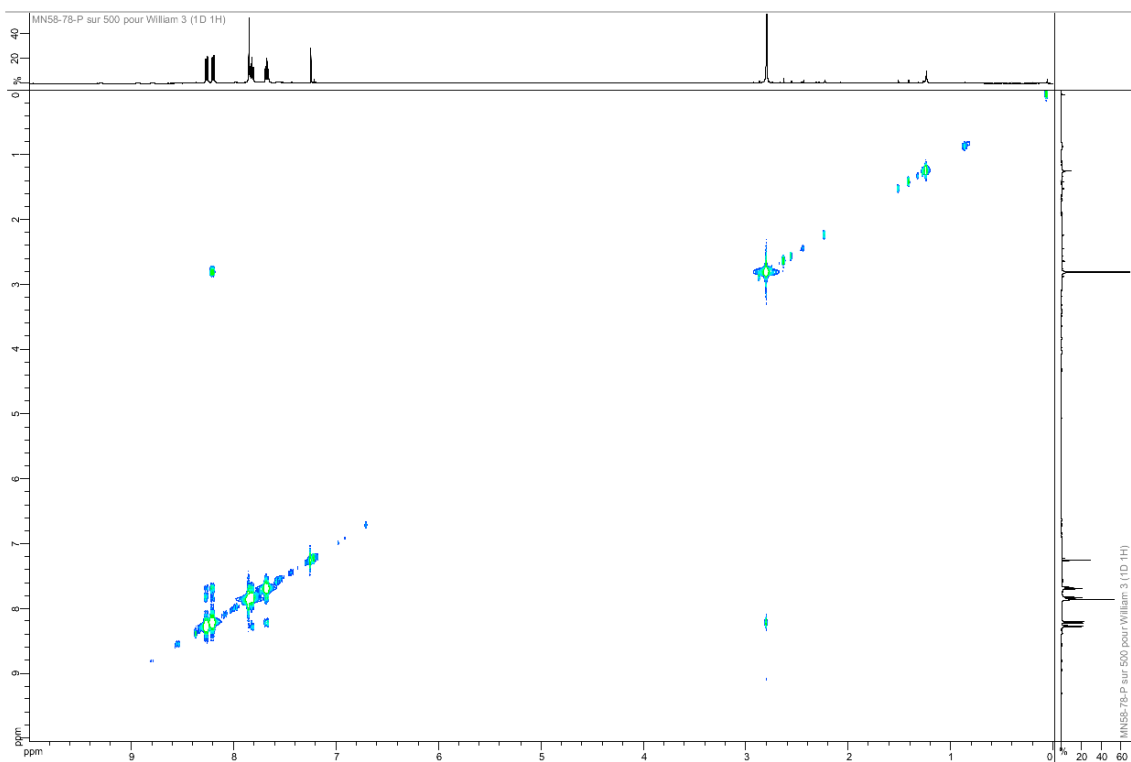
## HSQC NMR (500 MHz, CDCl<sub>3</sub>)



## HMBC NMR (500 MHz, CDCl<sub>3</sub>)

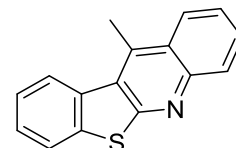


# NOESY NMR (500 MHz, CDCl<sub>3</sub>)

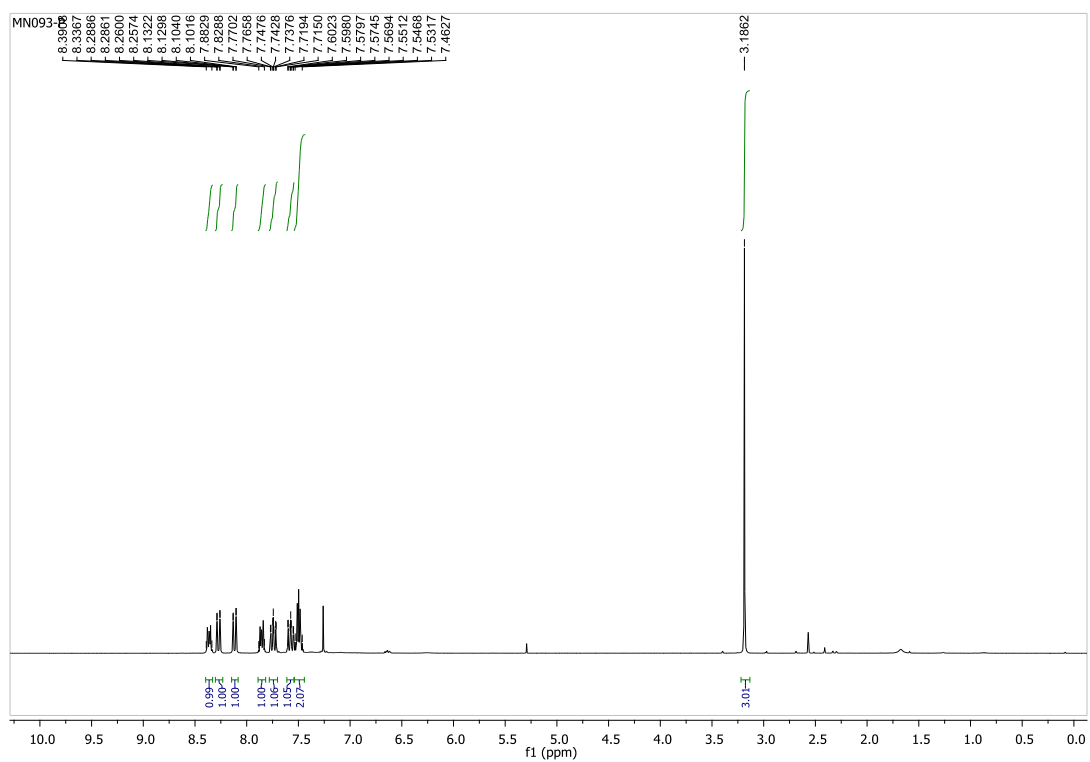


No NOESY correlation between CH<sub>3</sub> et H6 whereas there is one between CH<sub>3</sub> and H5.

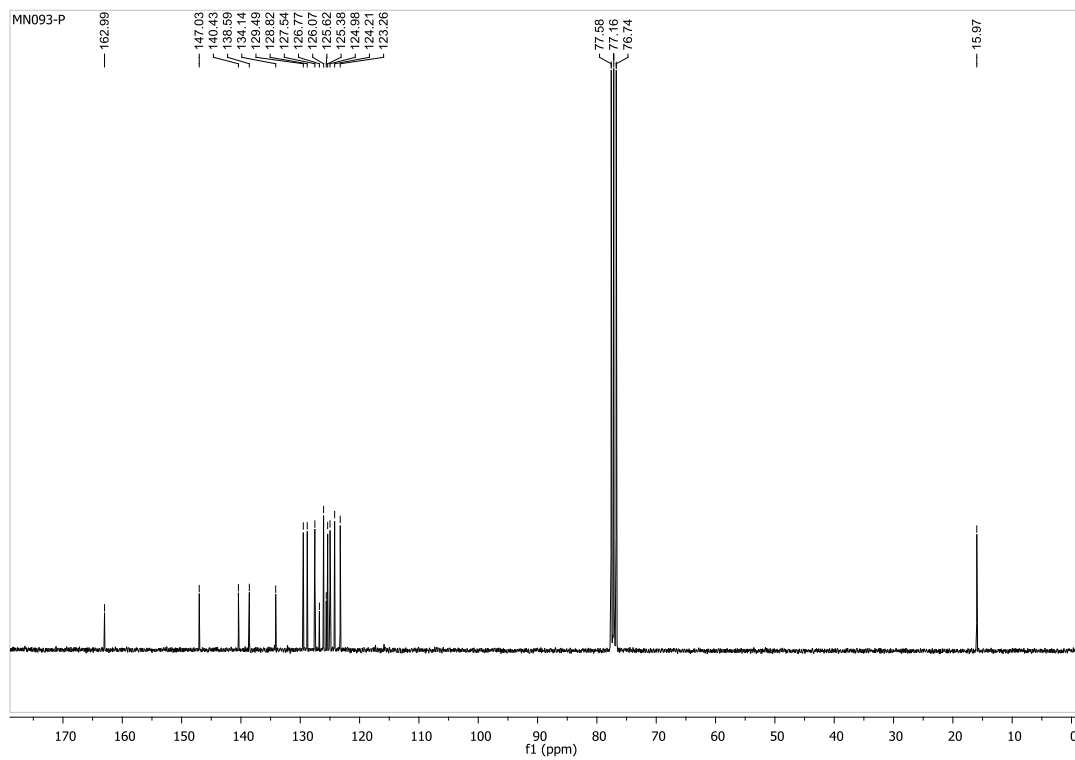
# Compound 4p



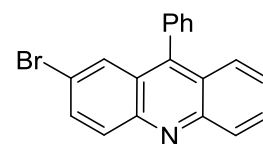
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



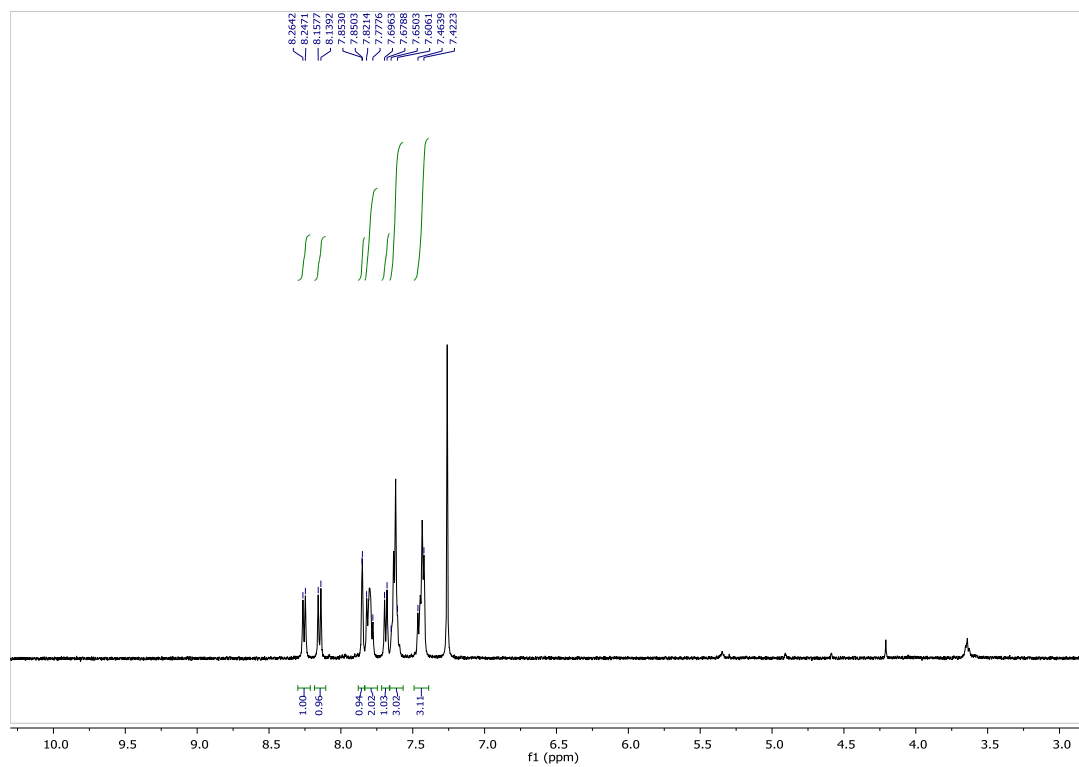
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



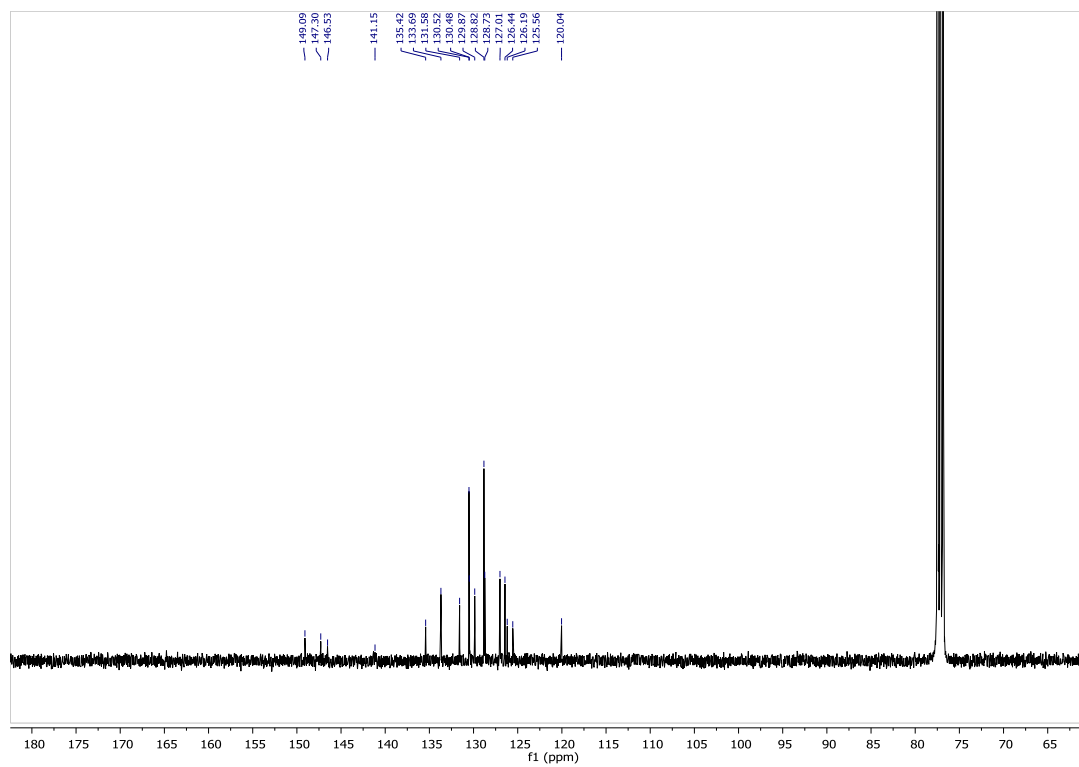
# Compound 6i



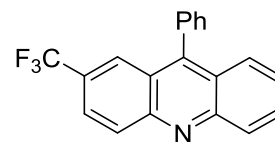
$^1\text{H}$  NMR (400 MHz,  $\text{CDCl}_3$ )



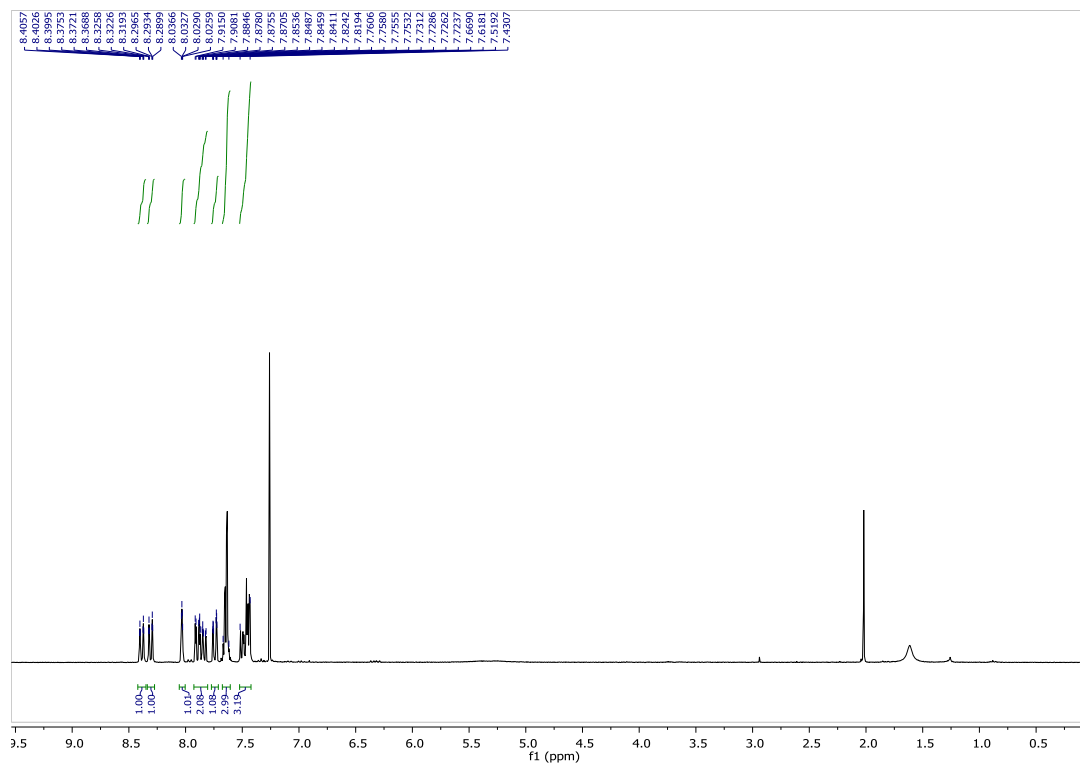
$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )



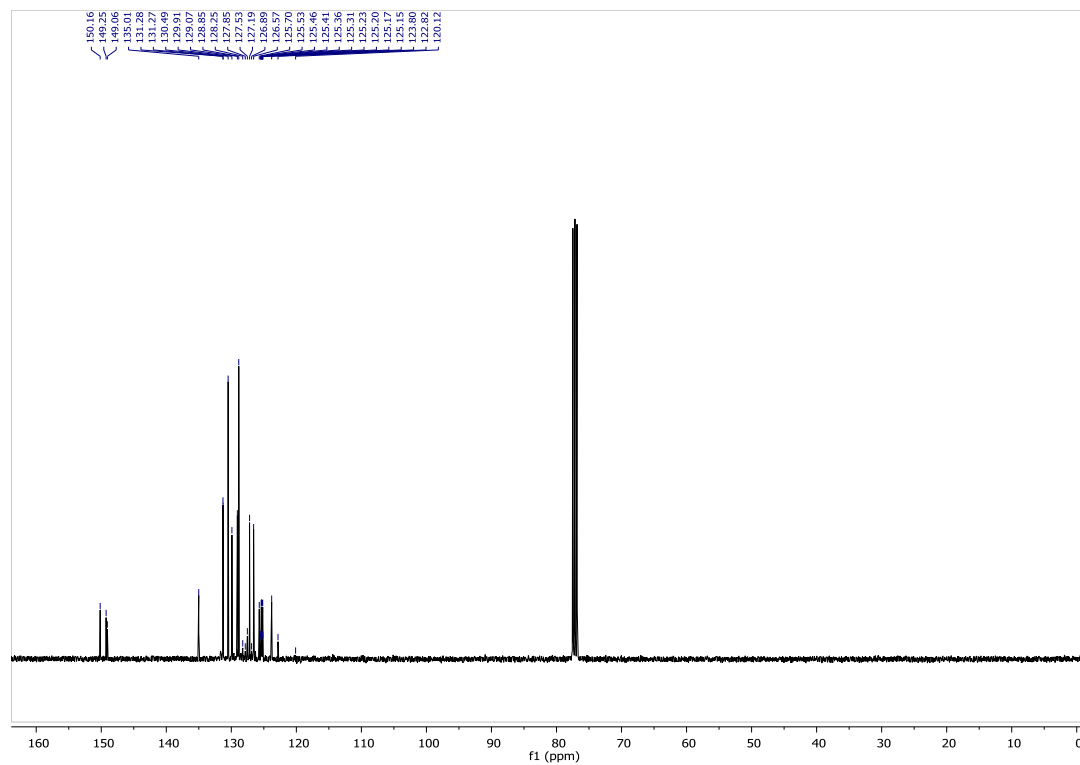
# Compound 6j



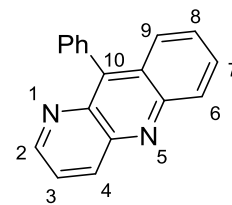
## <sup>1</sup>H NMR (300 MHz, CDCl<sub>3</sub>)



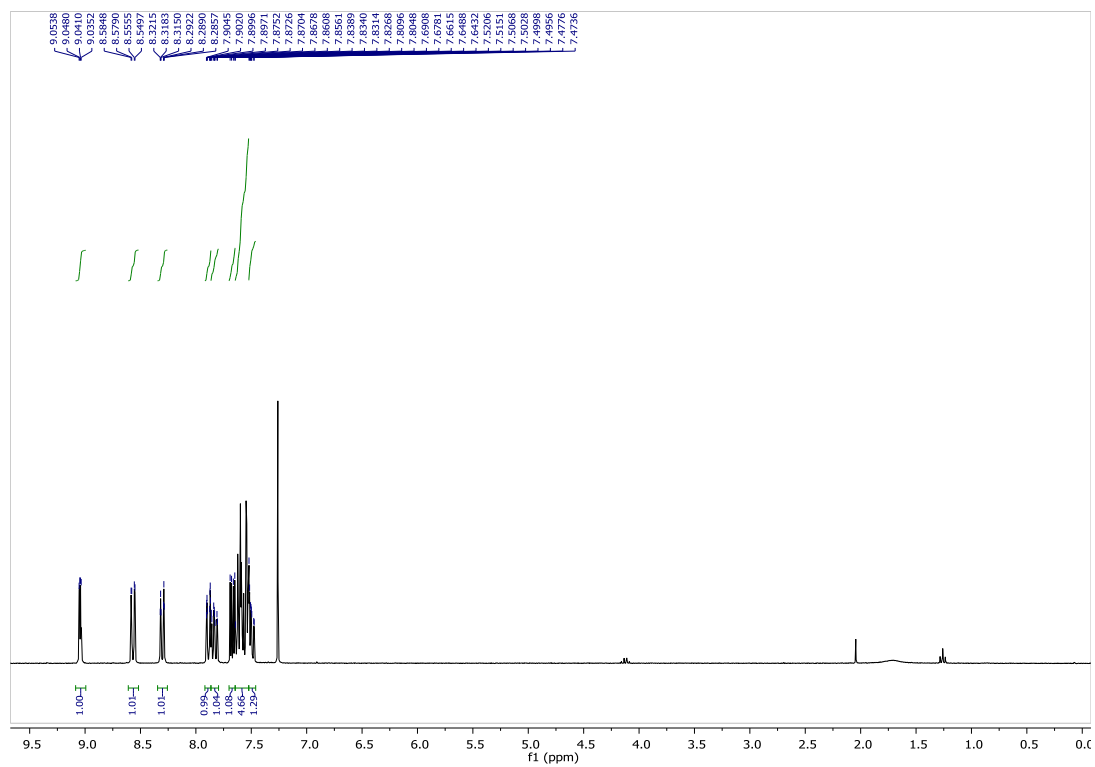
## <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>)



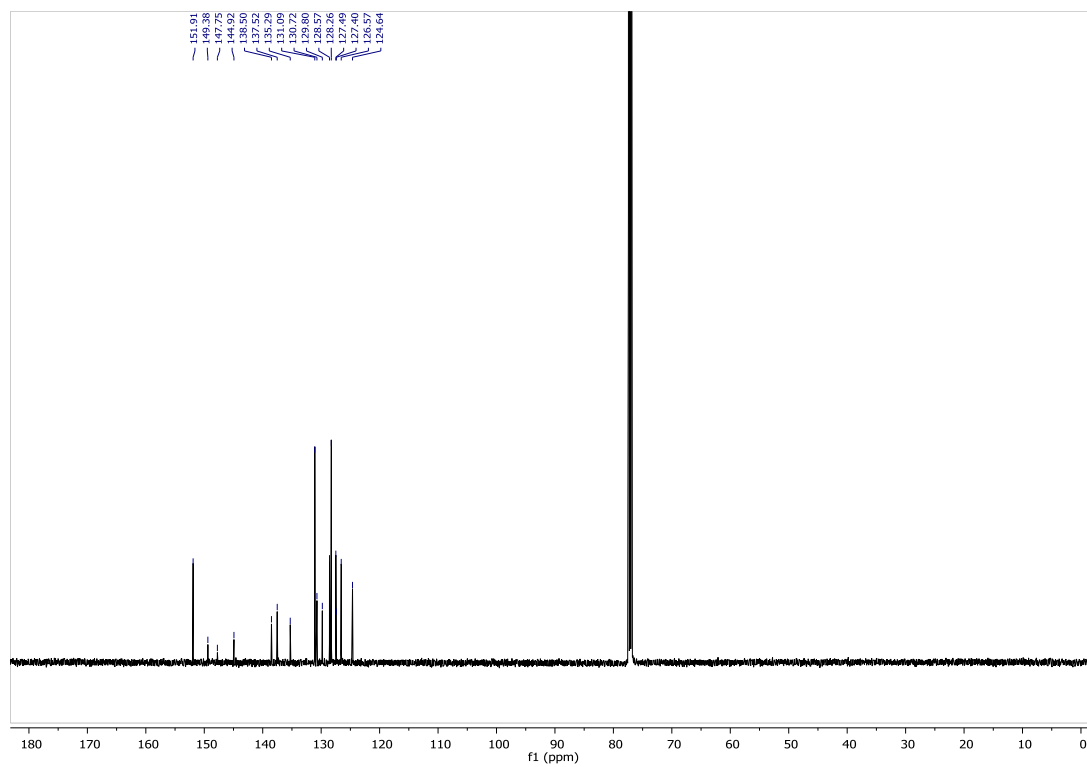
# Compound 6m



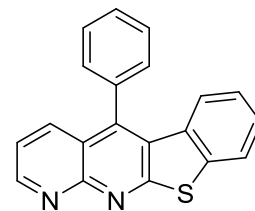
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



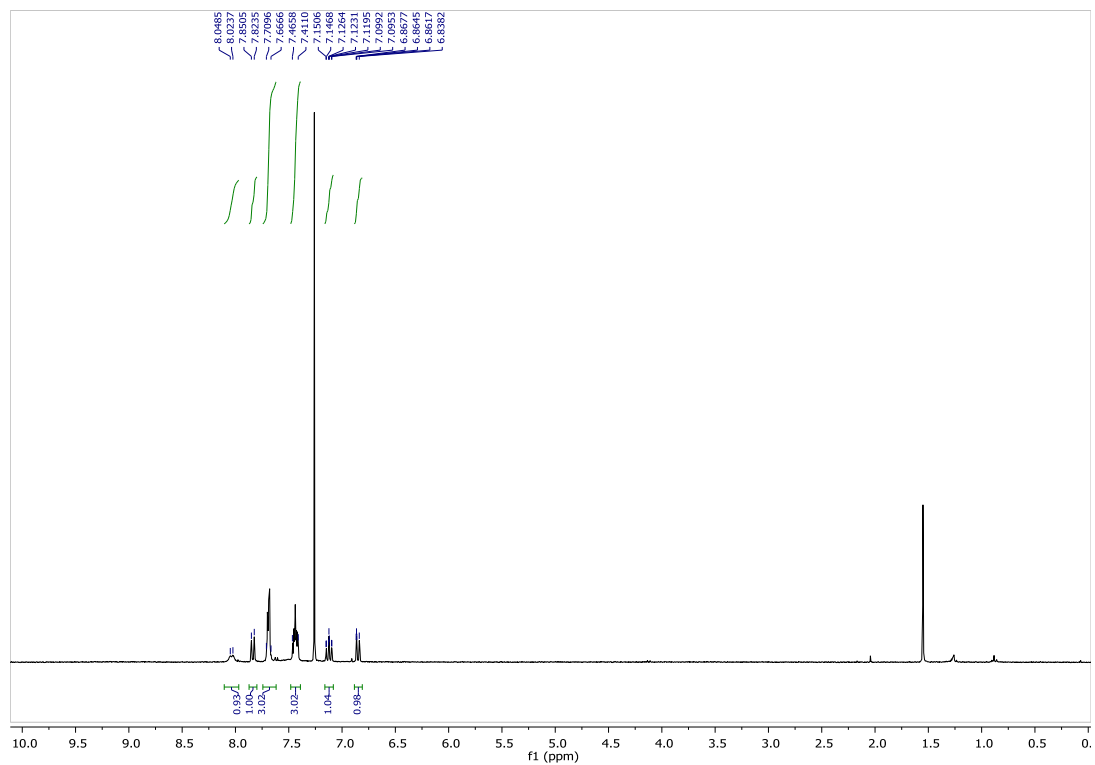
$^{13}\text{C}$  NMR (126 MHz,  $\text{CDCl}_3$ )



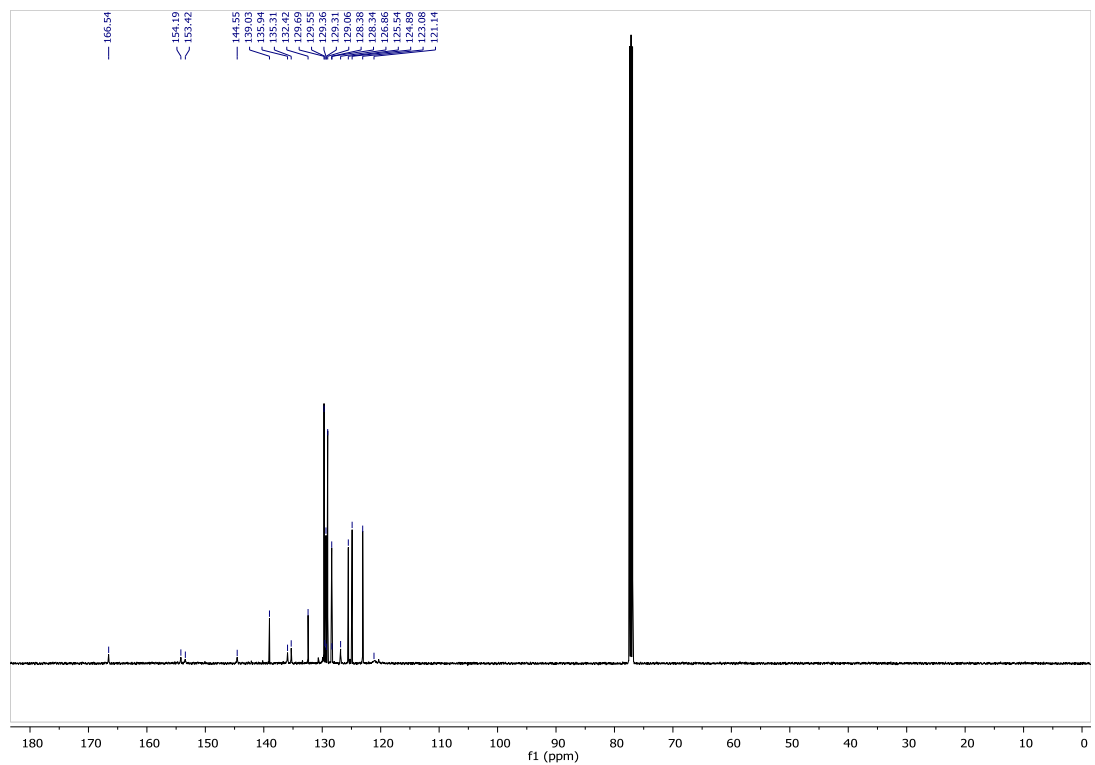
# Compound 8p



$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )

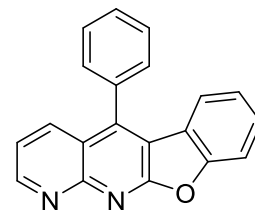


$^{13}\text{C}$  NMR (126 MHz,  $\text{CDCl}_3$ )

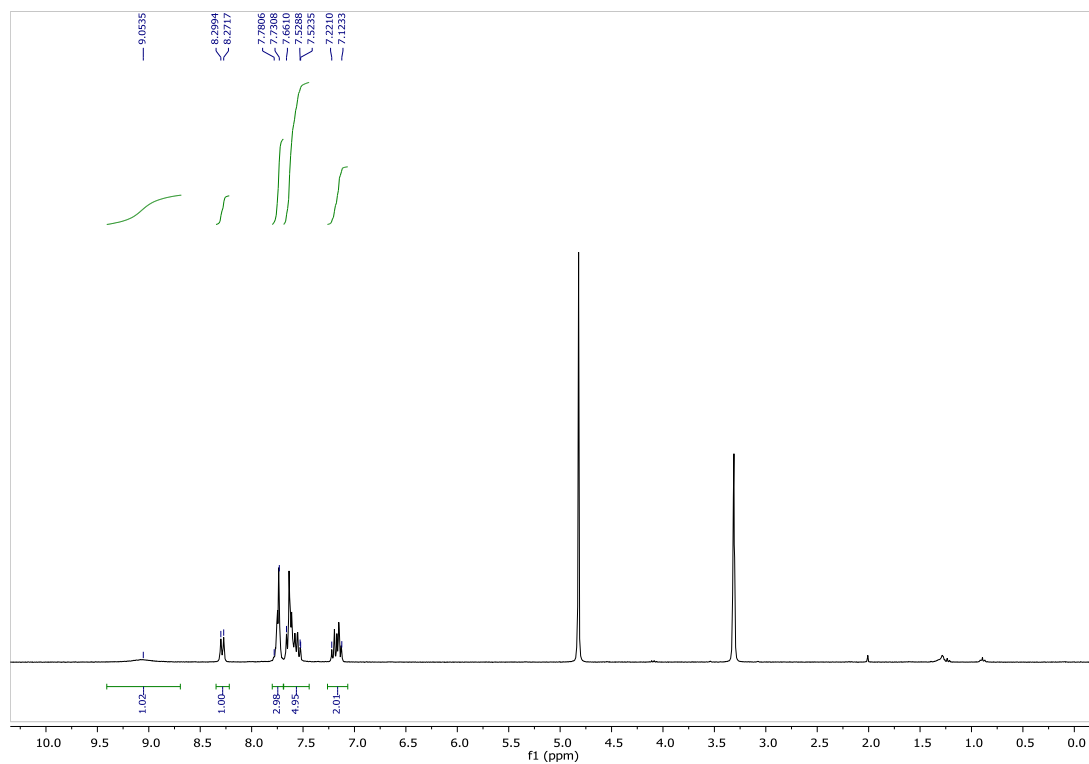




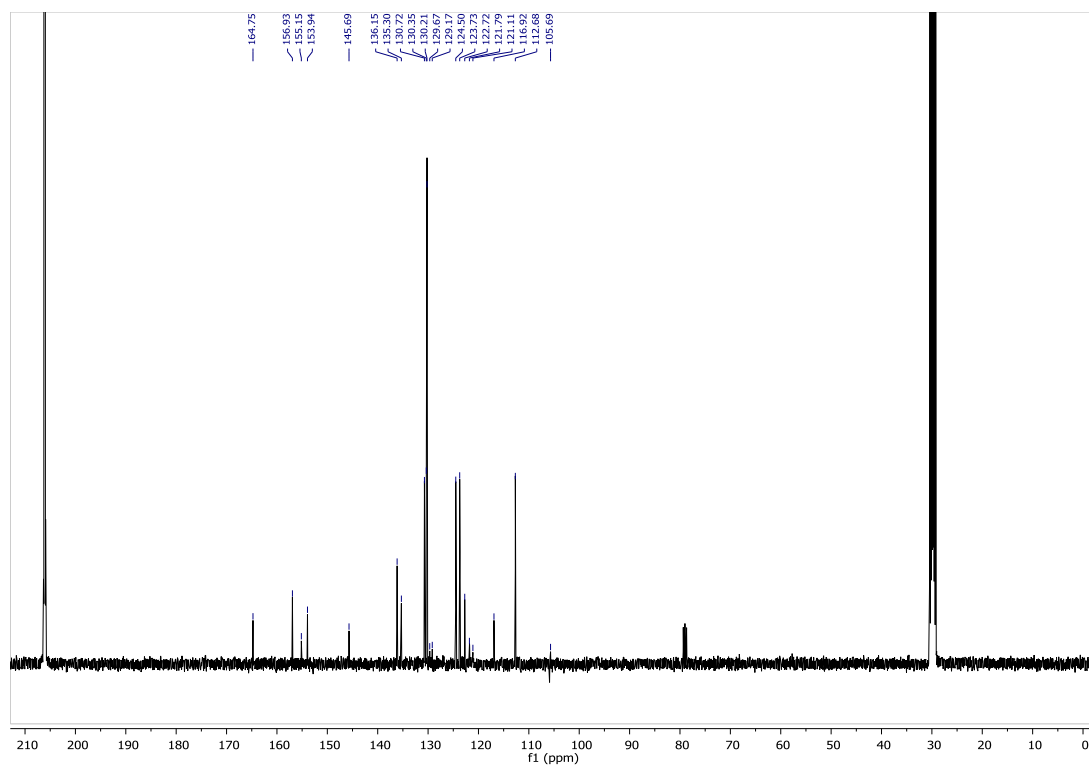
# Compound 8q



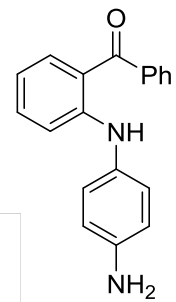
$^1\text{H}$  NMR (300 MHz,  $\text{CD}_3\text{OD}$ )



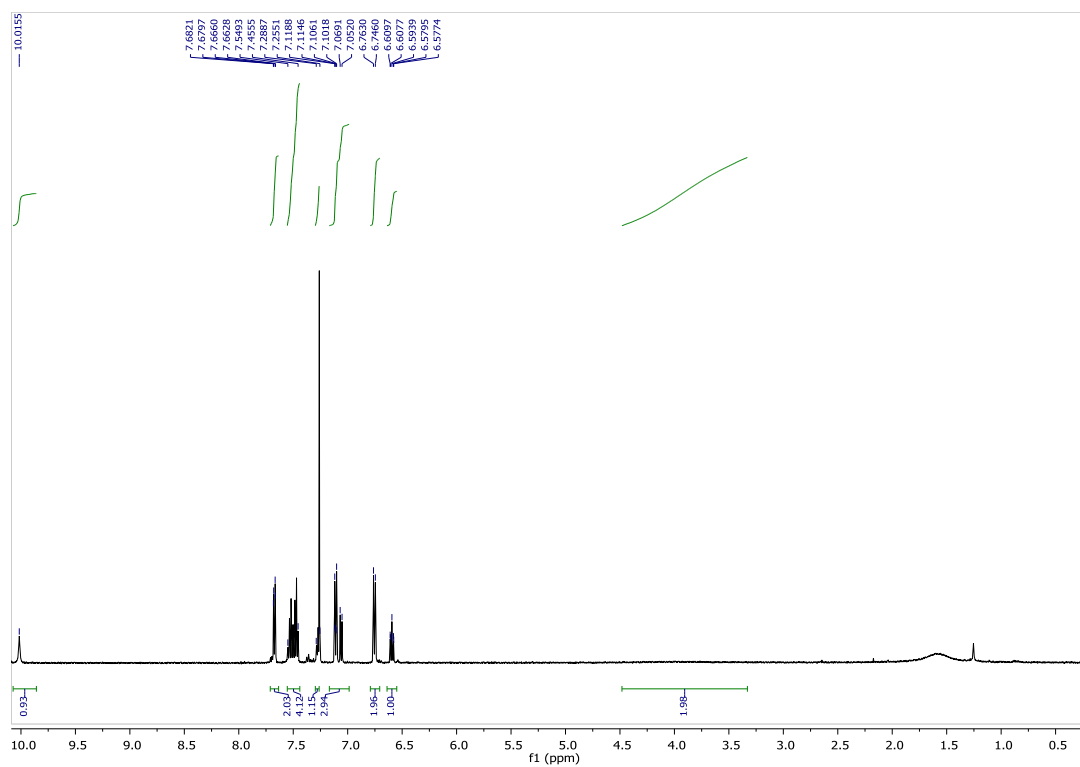
$^{13}\text{C}$  NMR (100 MHz,  $(\text{CD}_3)_2\text{CO}/\text{CDCl}_3$ )



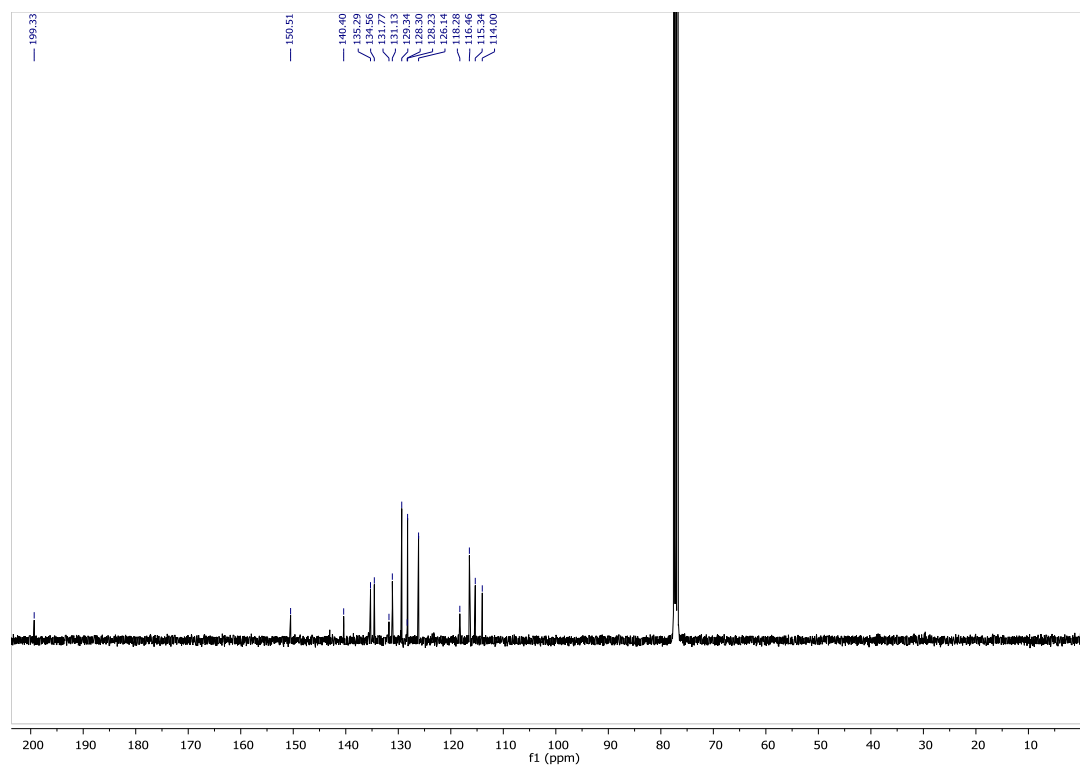
# Compound 9e



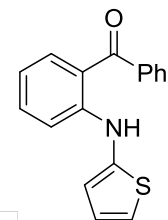
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )



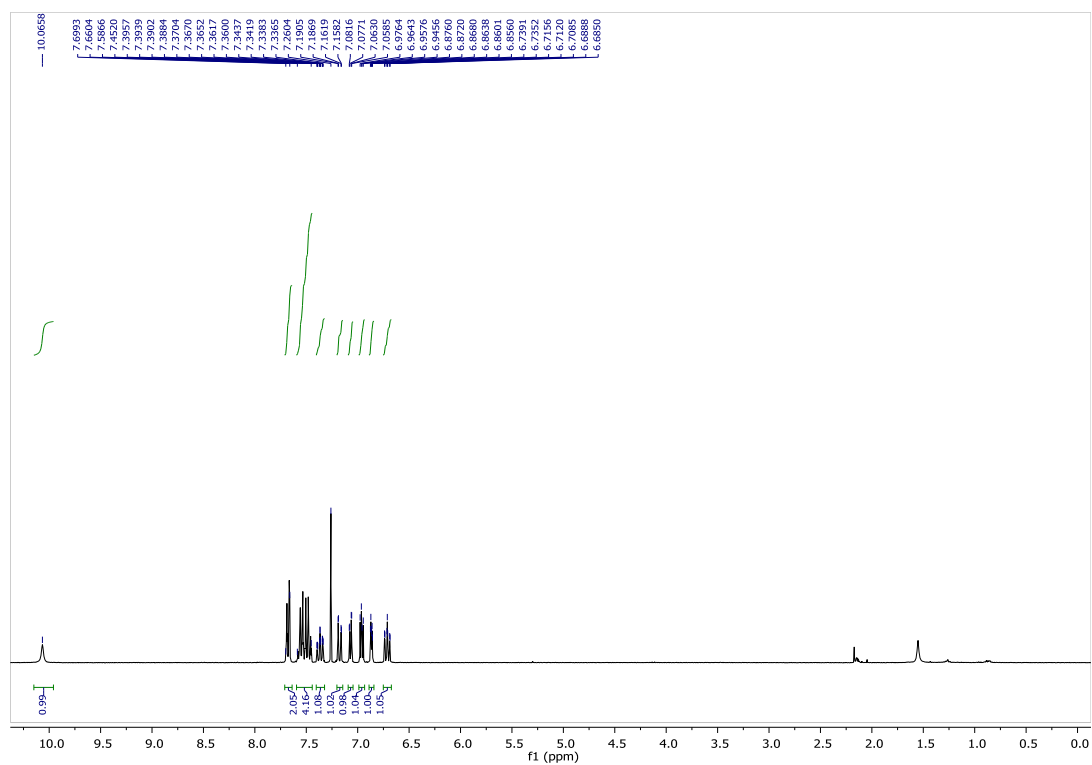
$^{13}\text{C}$  NMR (100 MHz,  $\text{CDCl}_3$ )



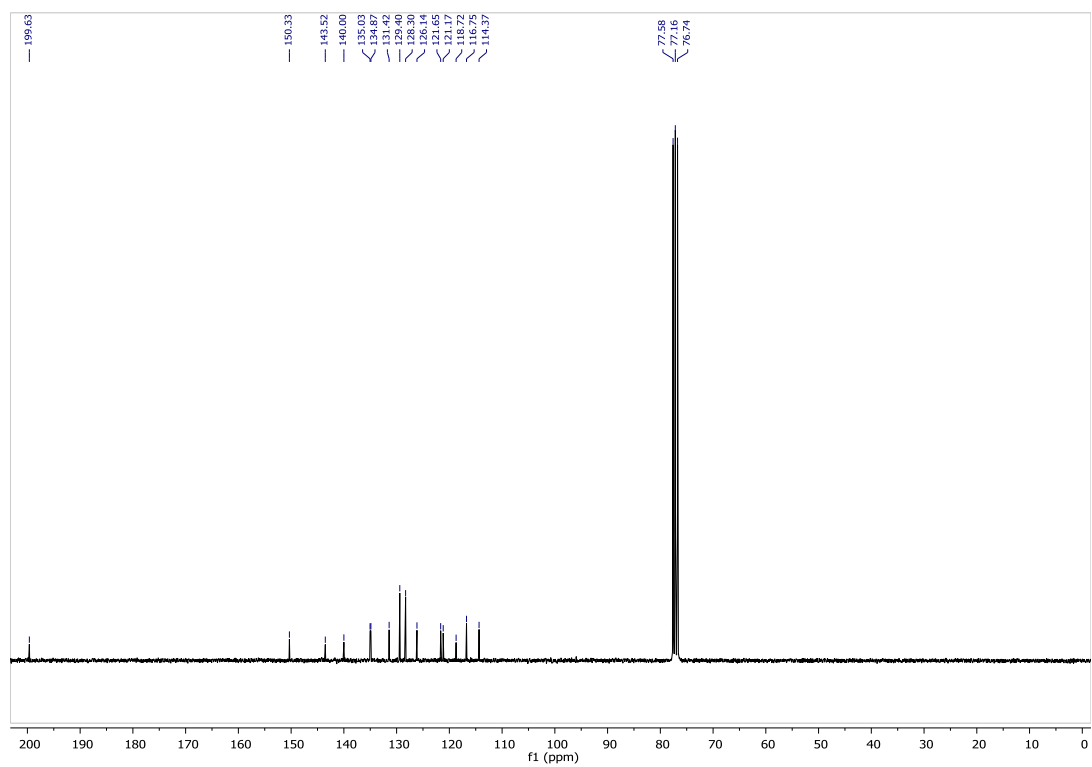
# Compound 9k



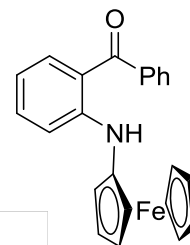
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



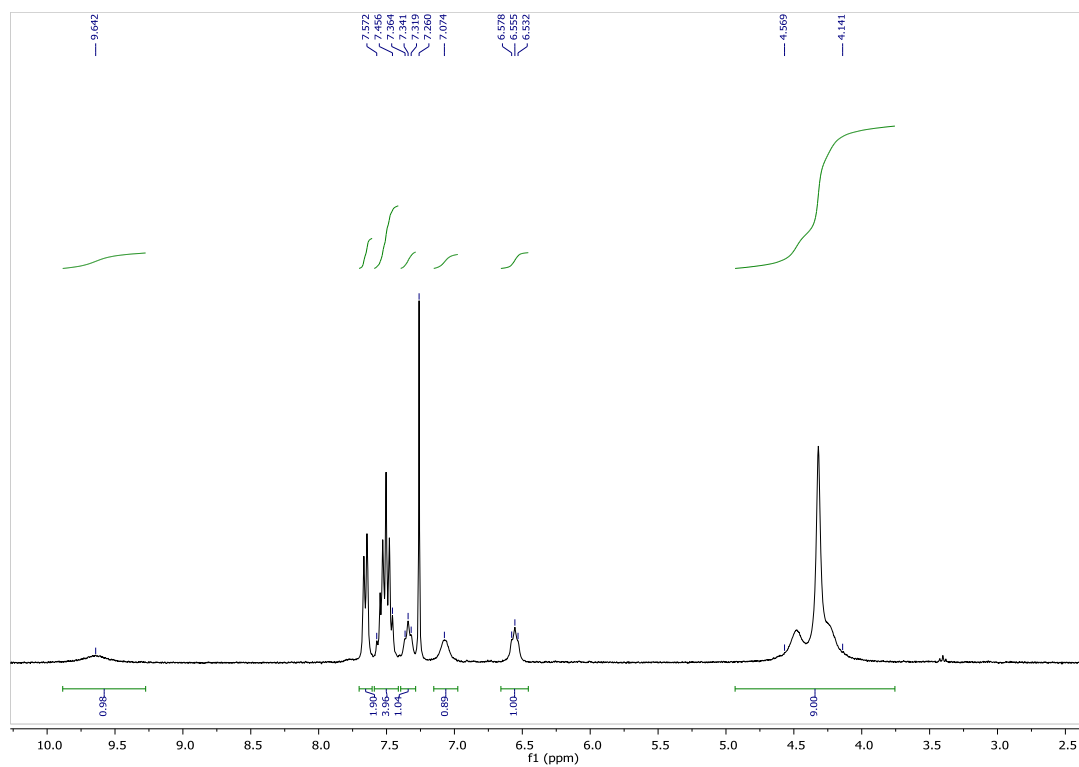
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



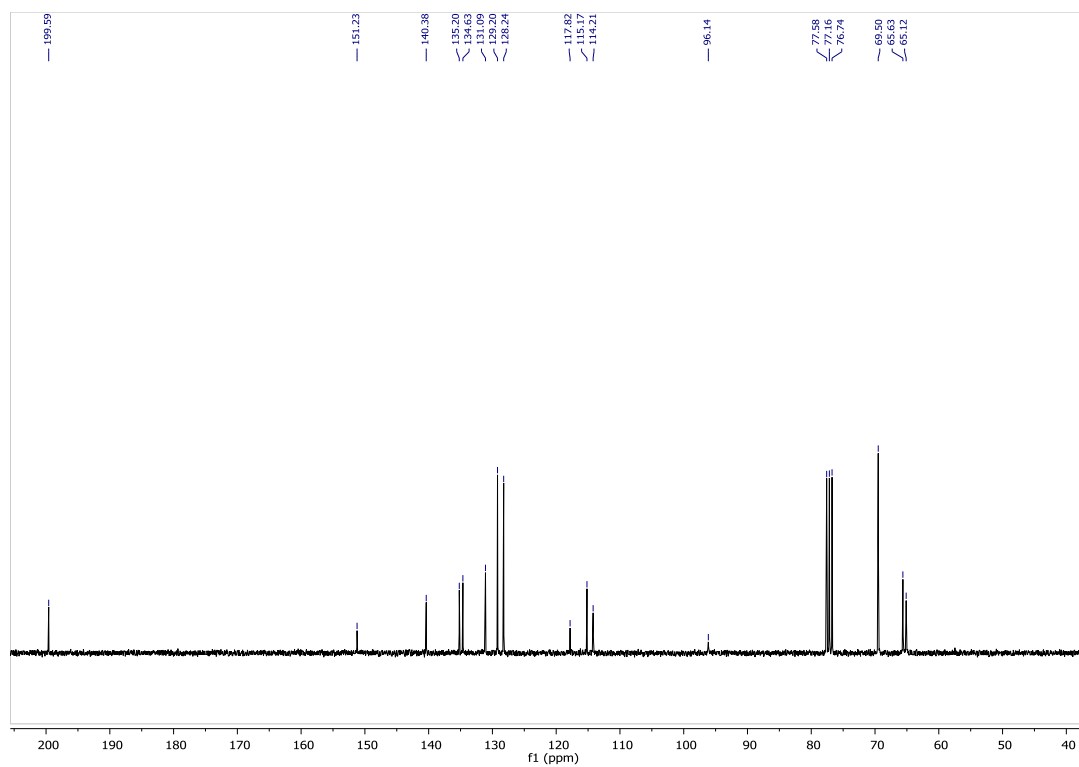
# Compound 9l



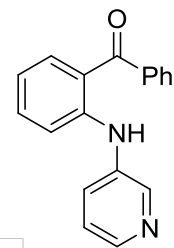
$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



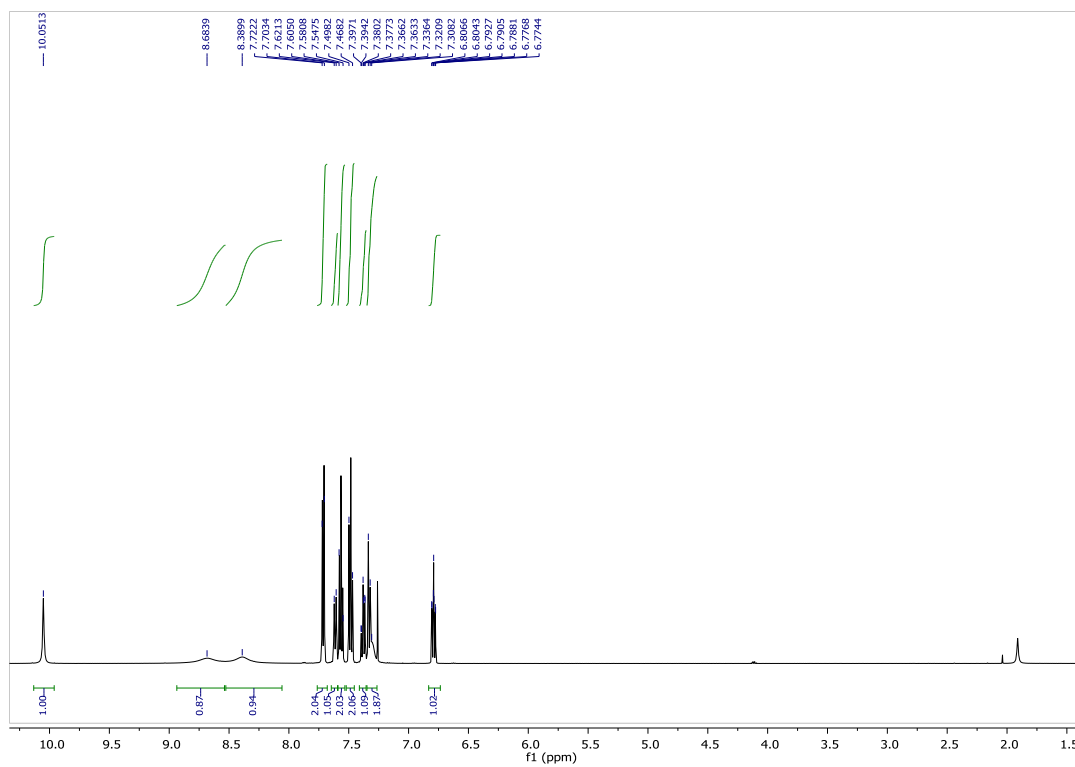
$^{13}\text{C}$  NMR (75 MHz,  $\text{CDCl}_3$ )



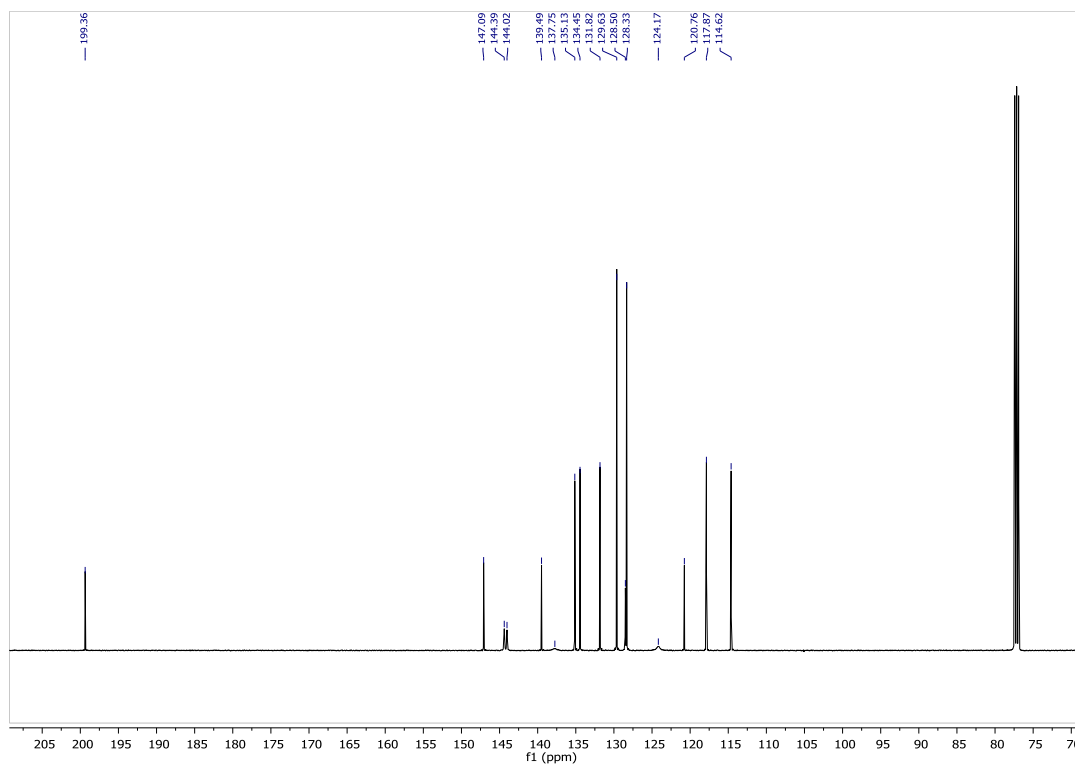
# Compound 9m



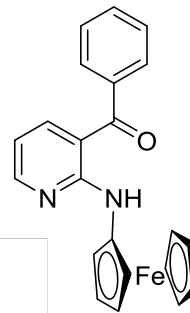
$^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ )



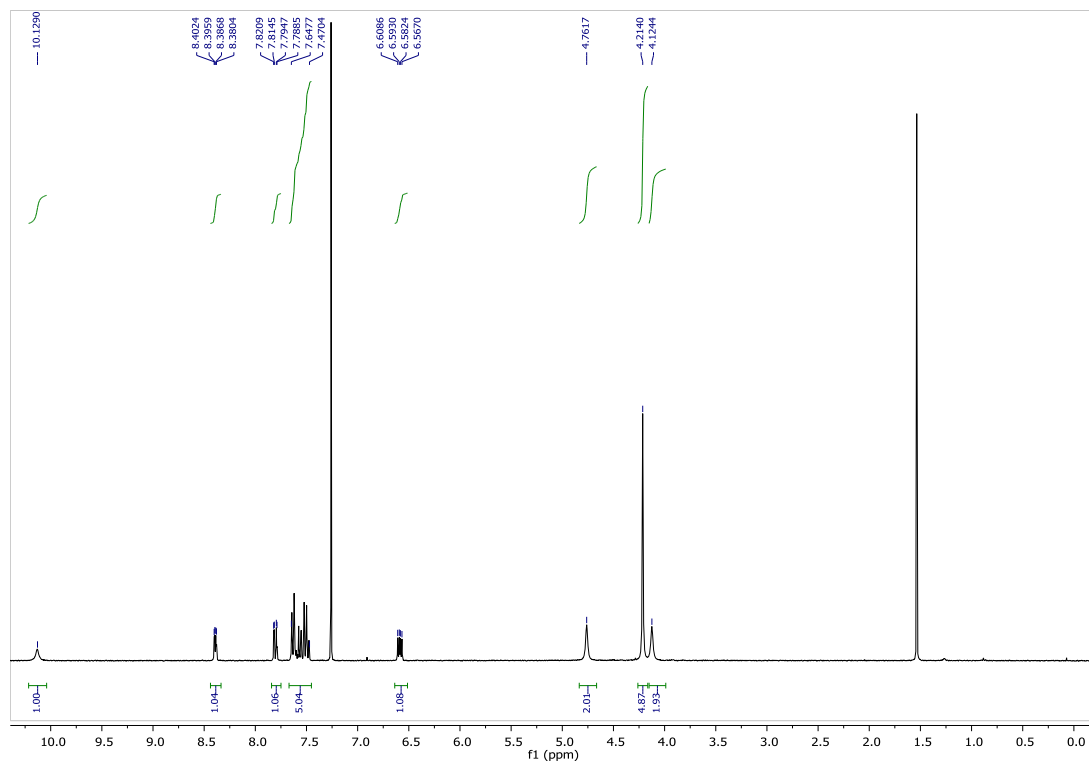
$^{13}\text{C}$  NMR (126 MHz,  $\text{CDCl}_3$ )



# Compound 10l



$^1\text{H}$  NMR (300 MHz,  $\text{CDCl}_3$ )



$^{13}\text{C}$  NMR (126 MHz,  $\text{CDCl}_3$ )

