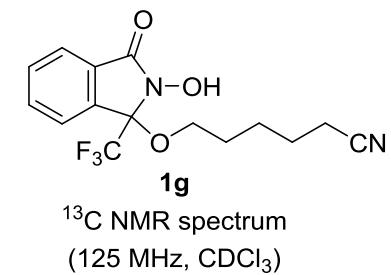
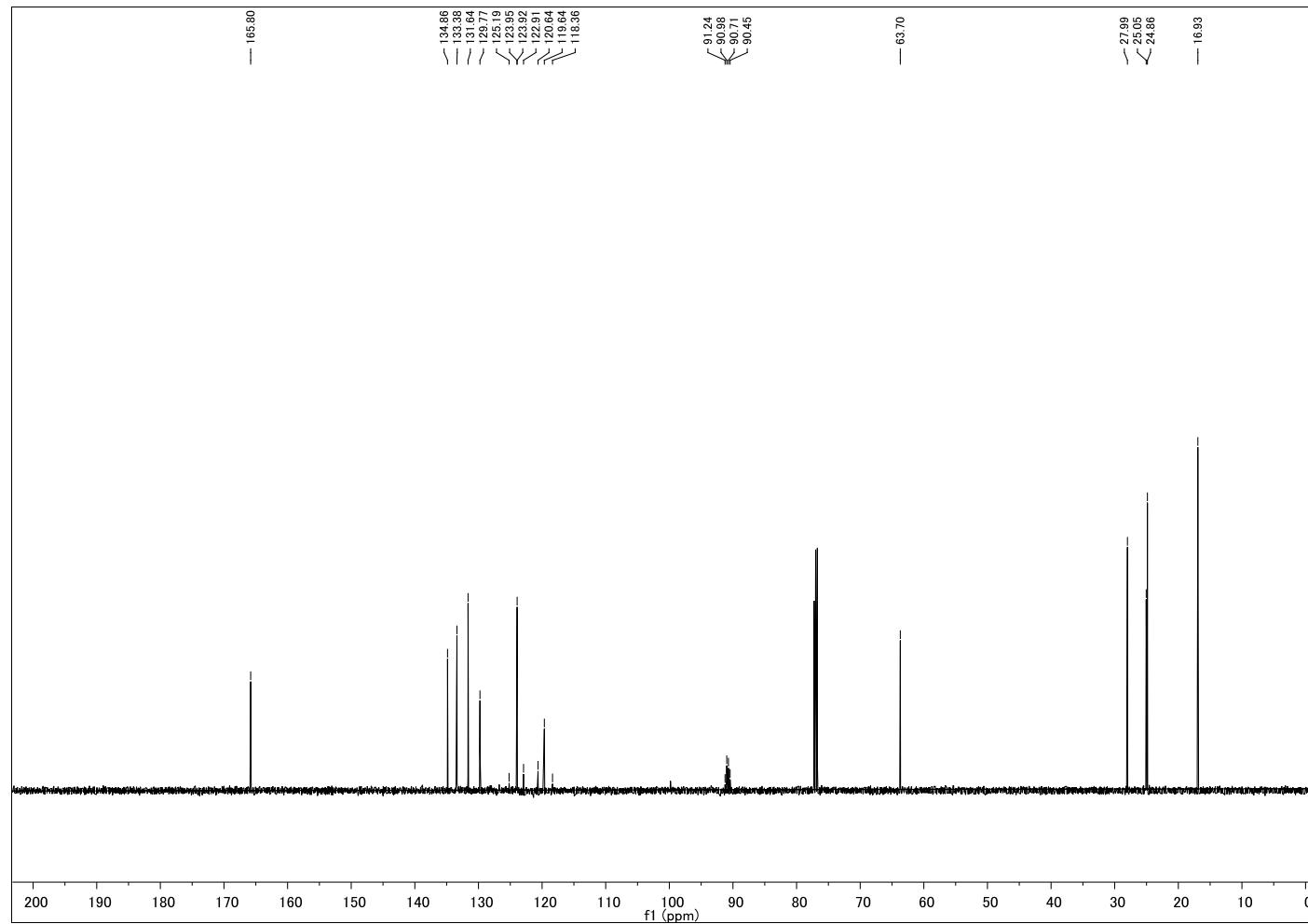
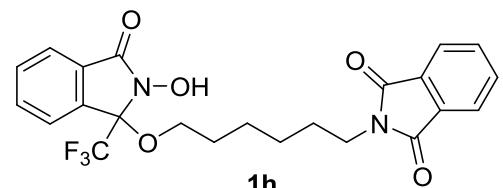
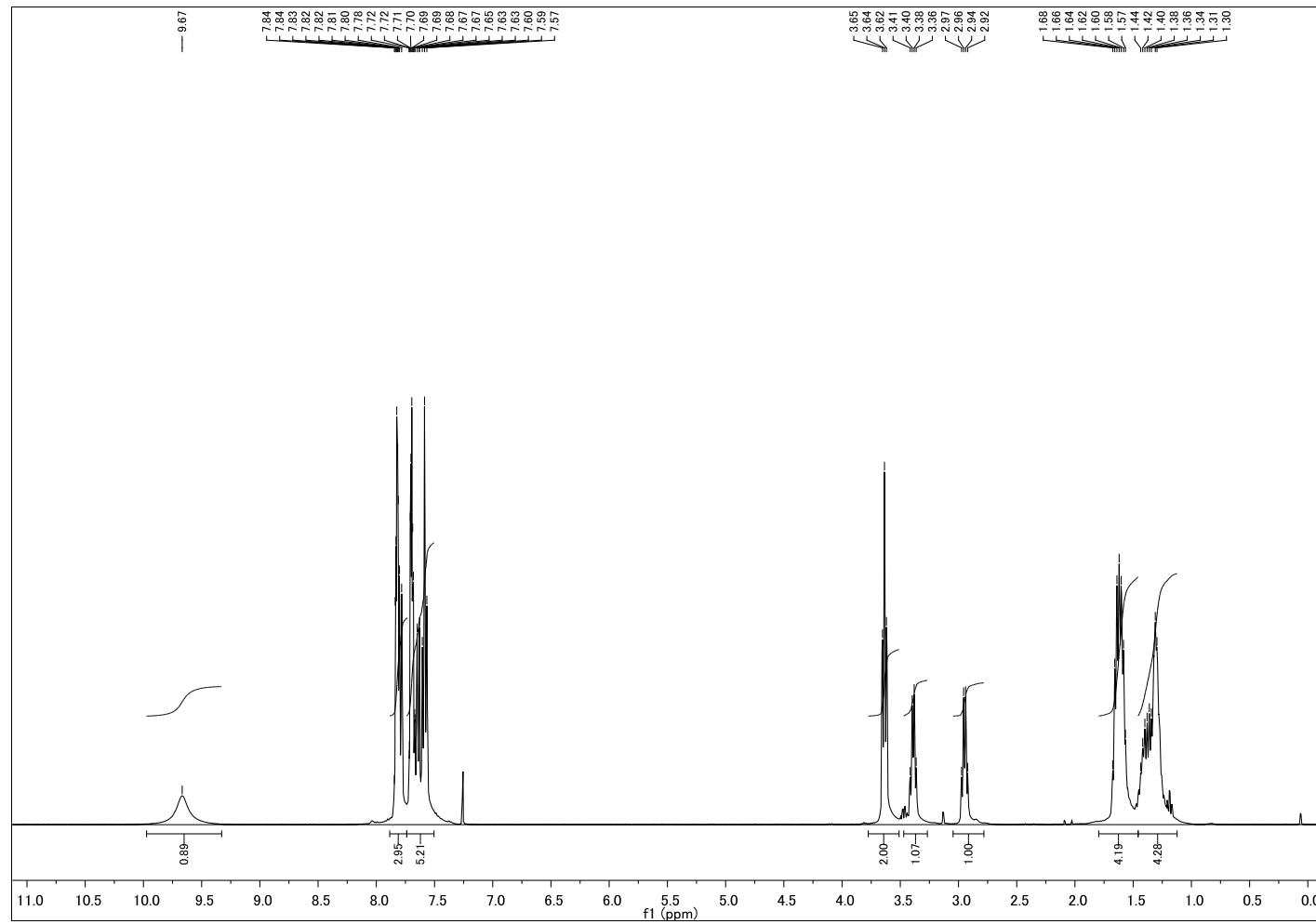
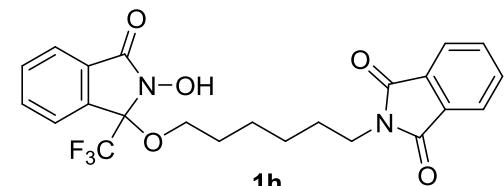
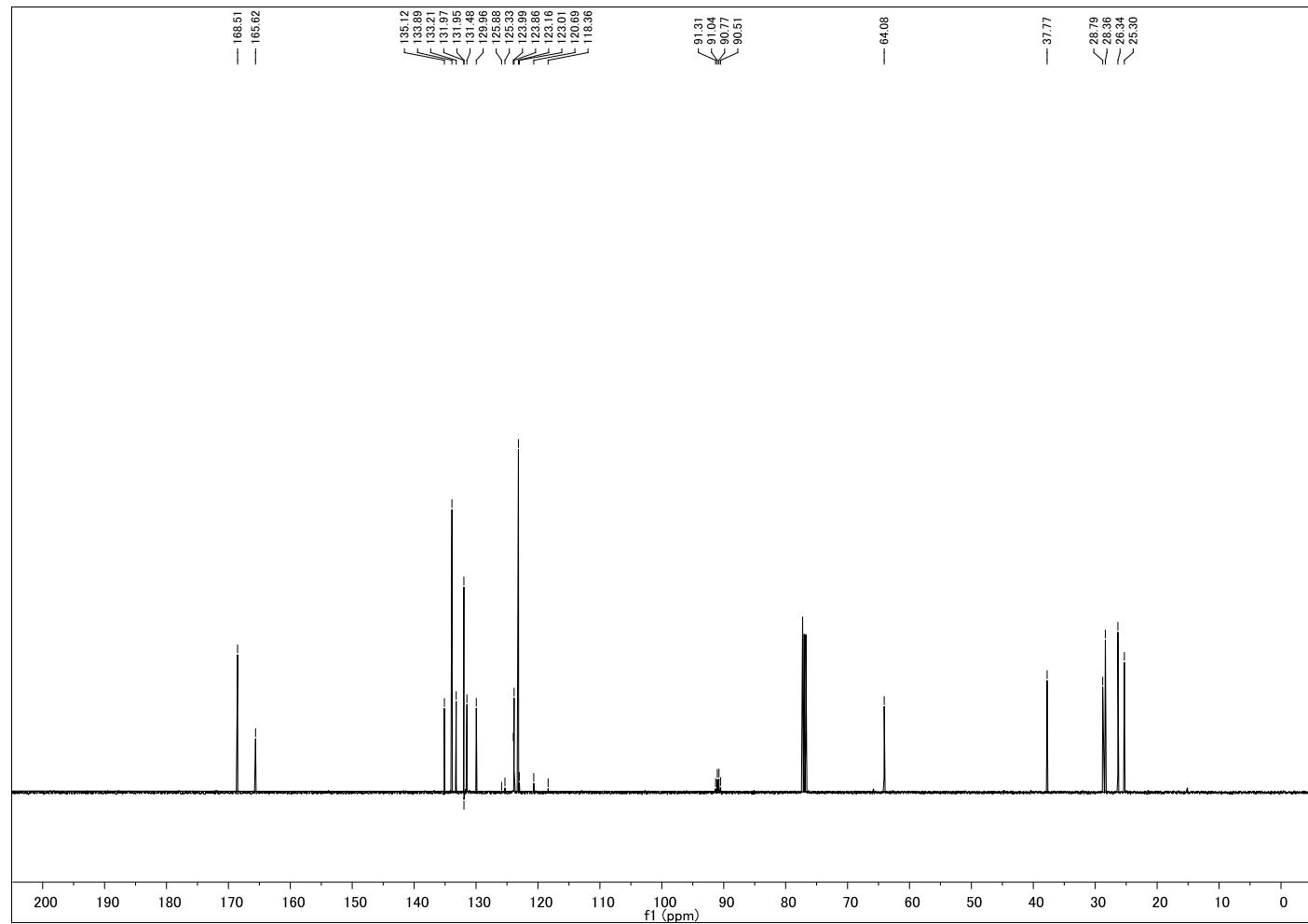


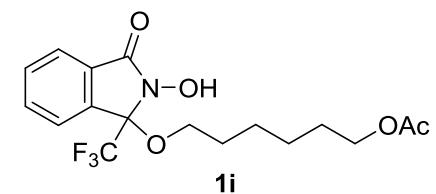
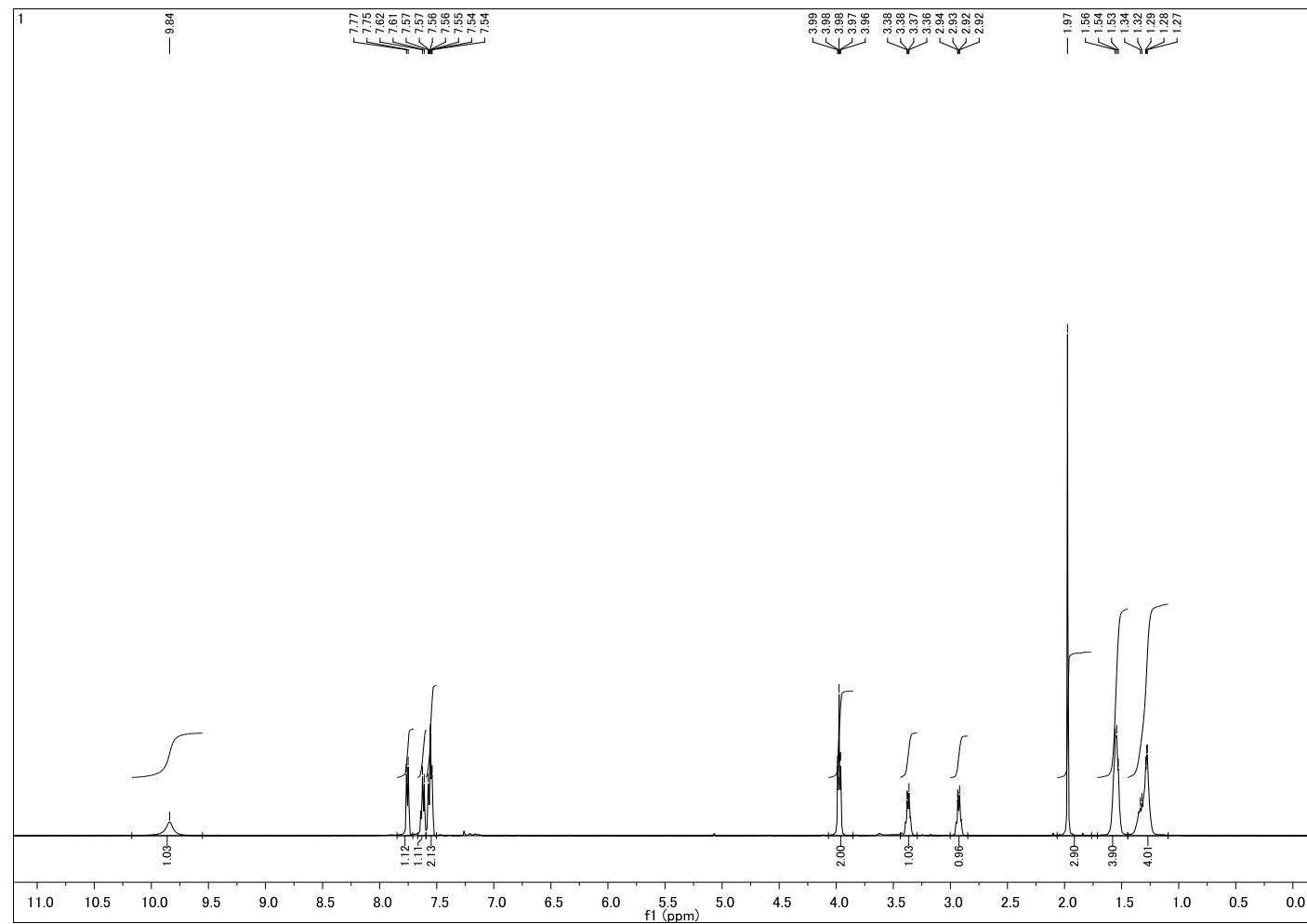
¹H NMR spectrum
(500 MHz, CDCl₃)



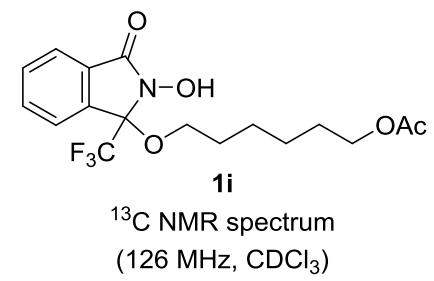
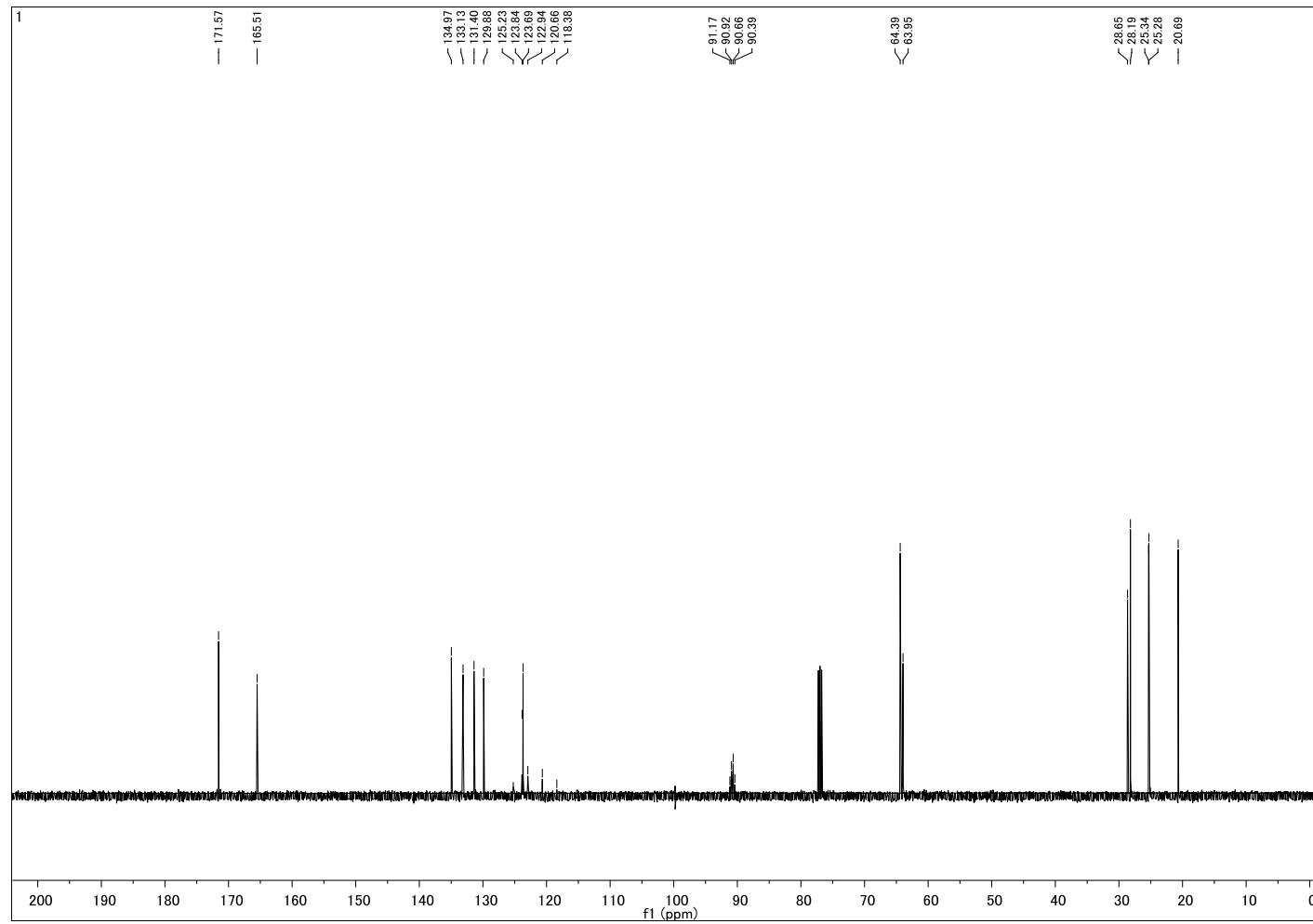


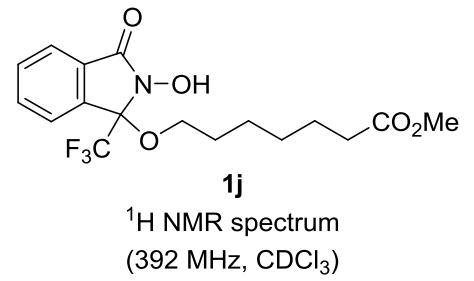
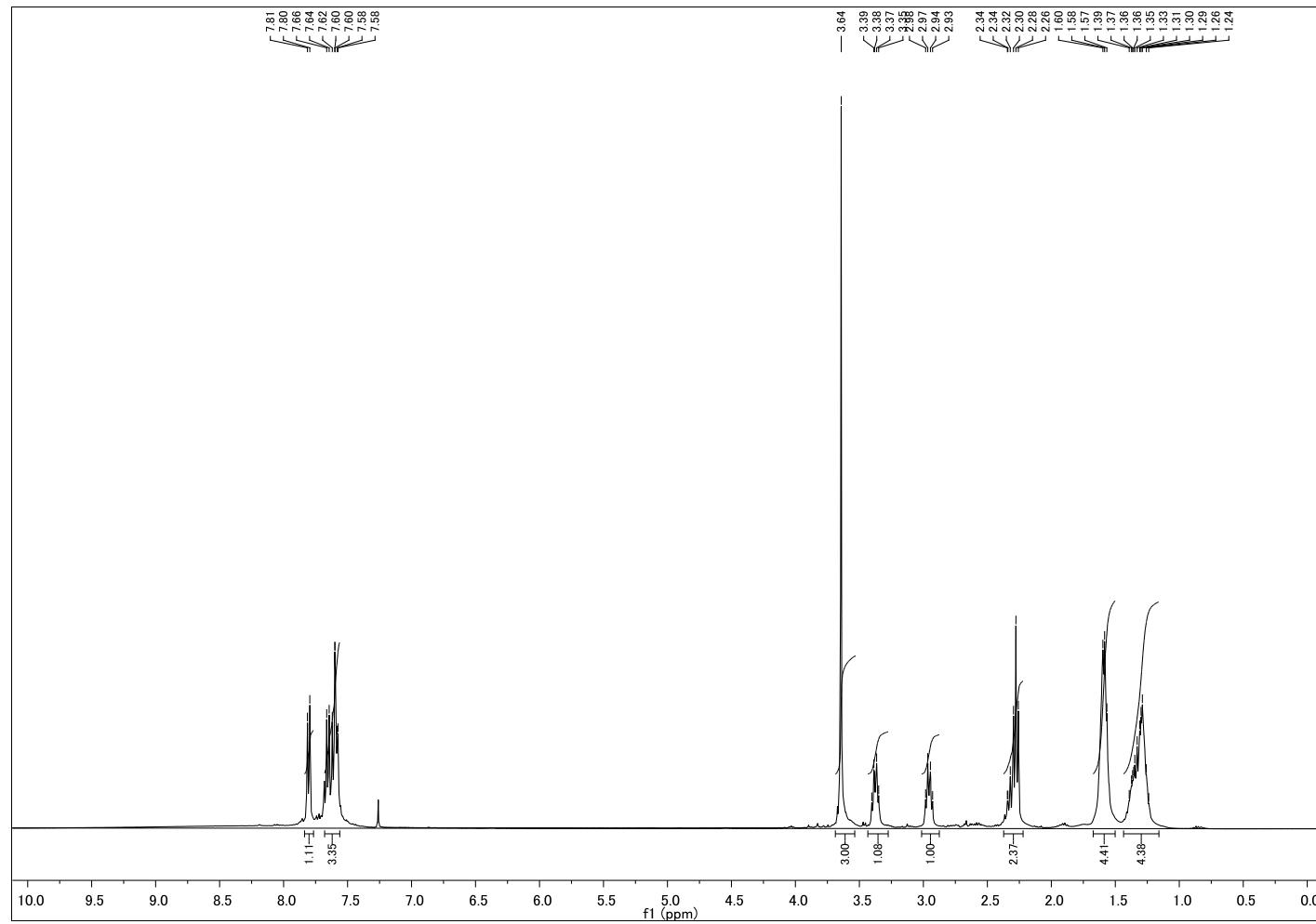
^1H NMR spectrum
 (392 MHz, CDCl_3)

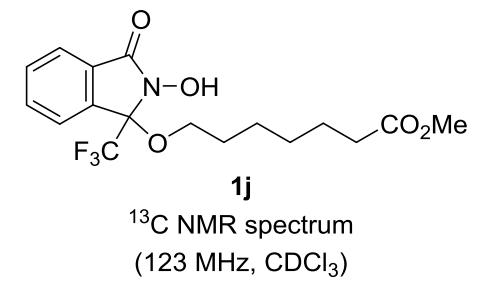
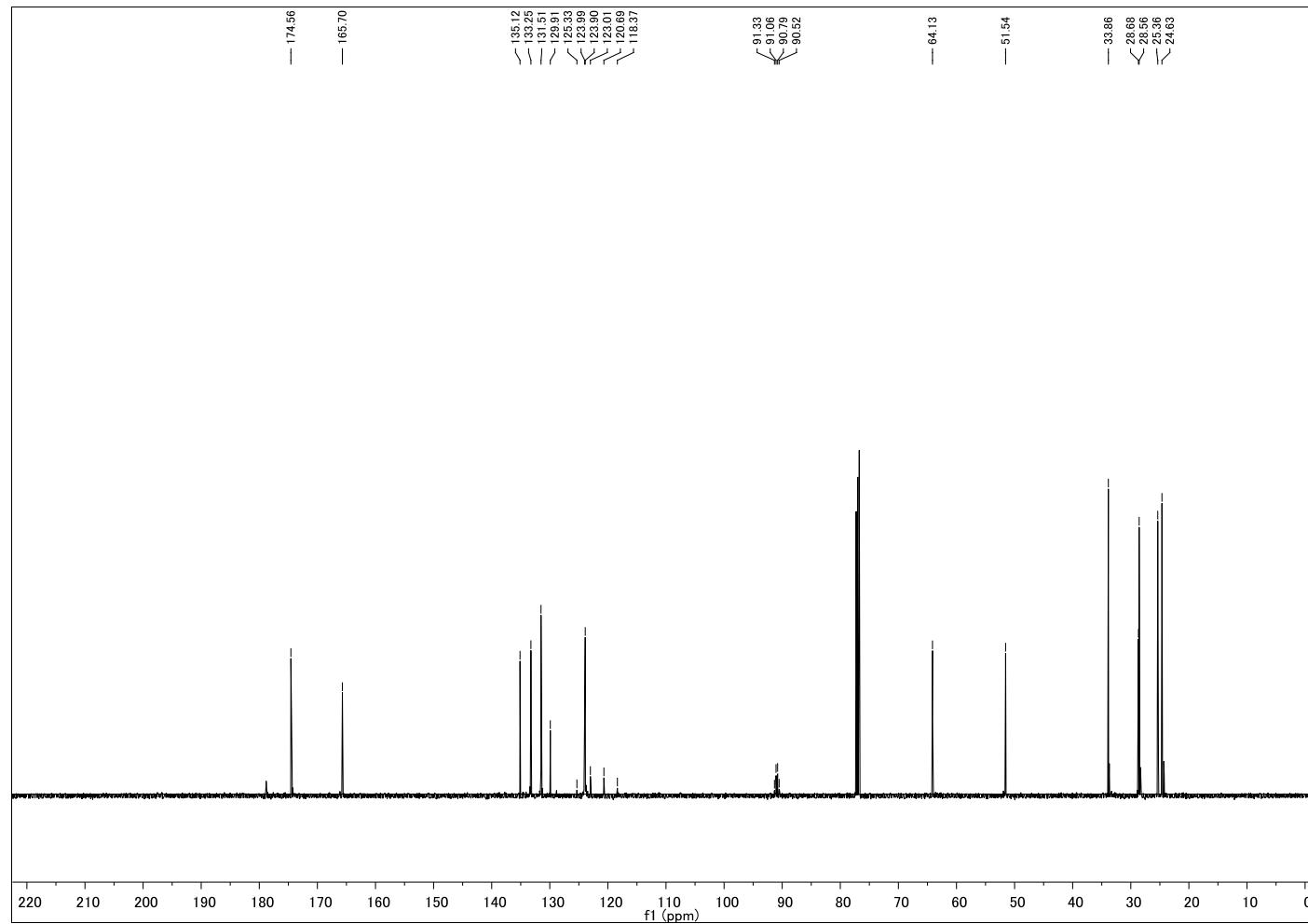


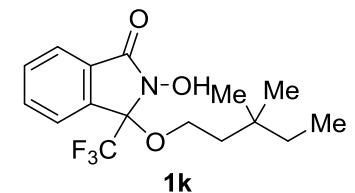
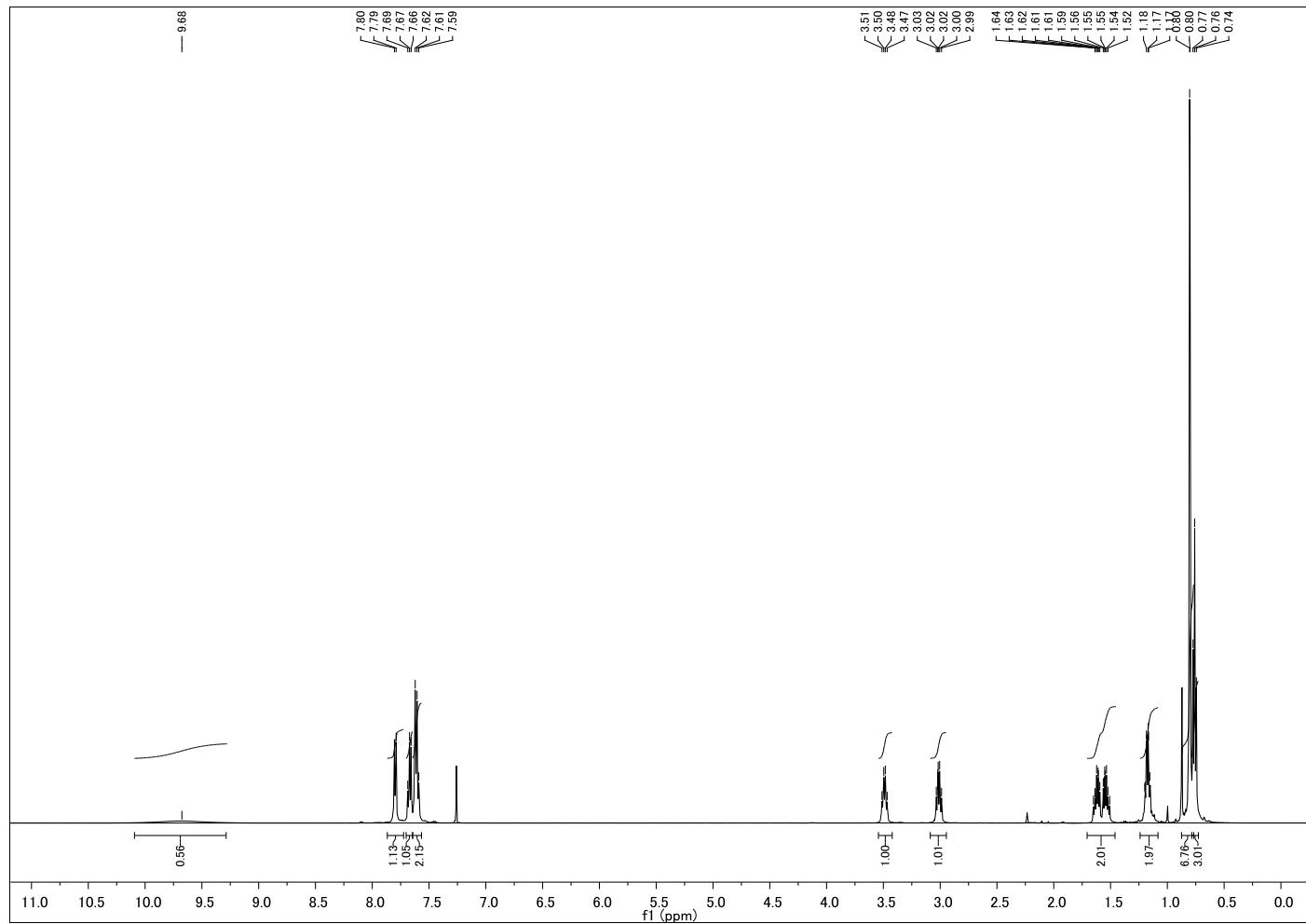


^1H NMR spectrum
(500 MHz, CDCl_3)

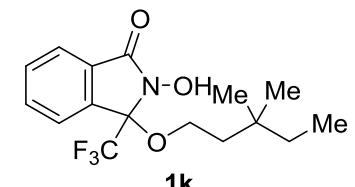
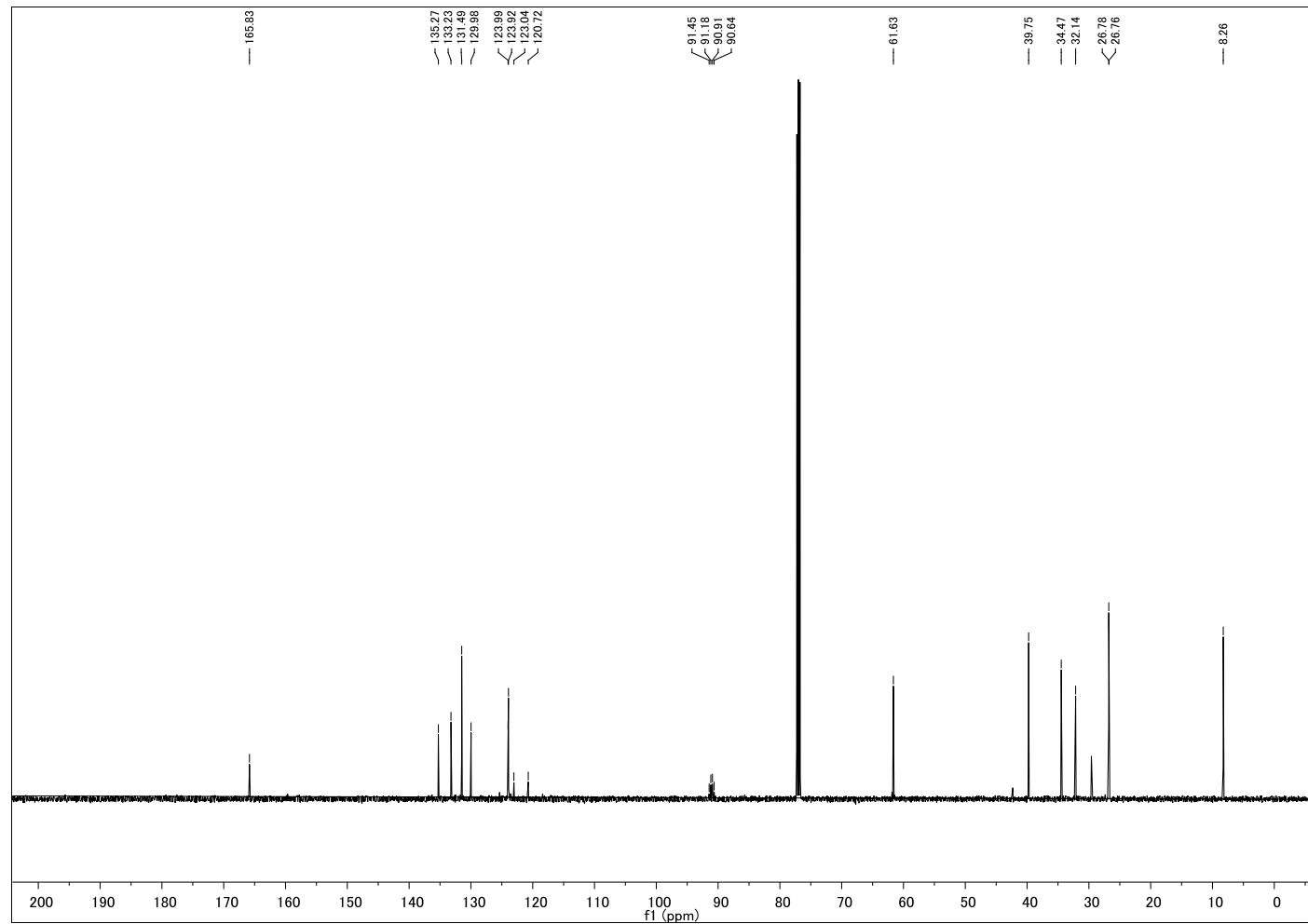




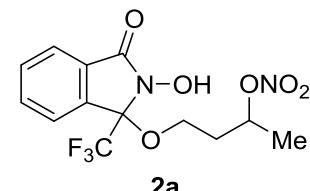
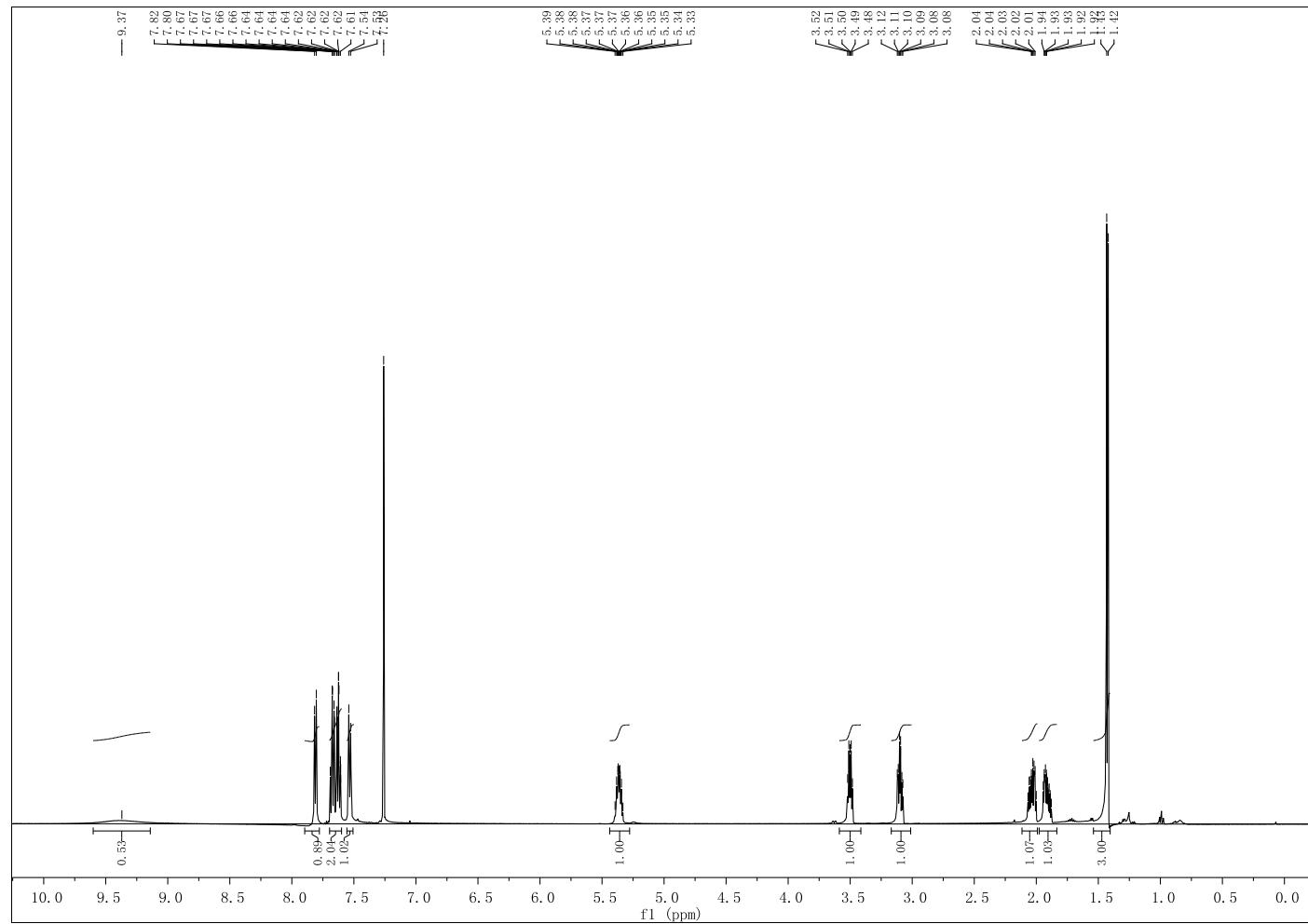




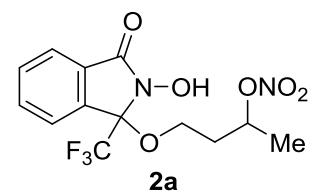
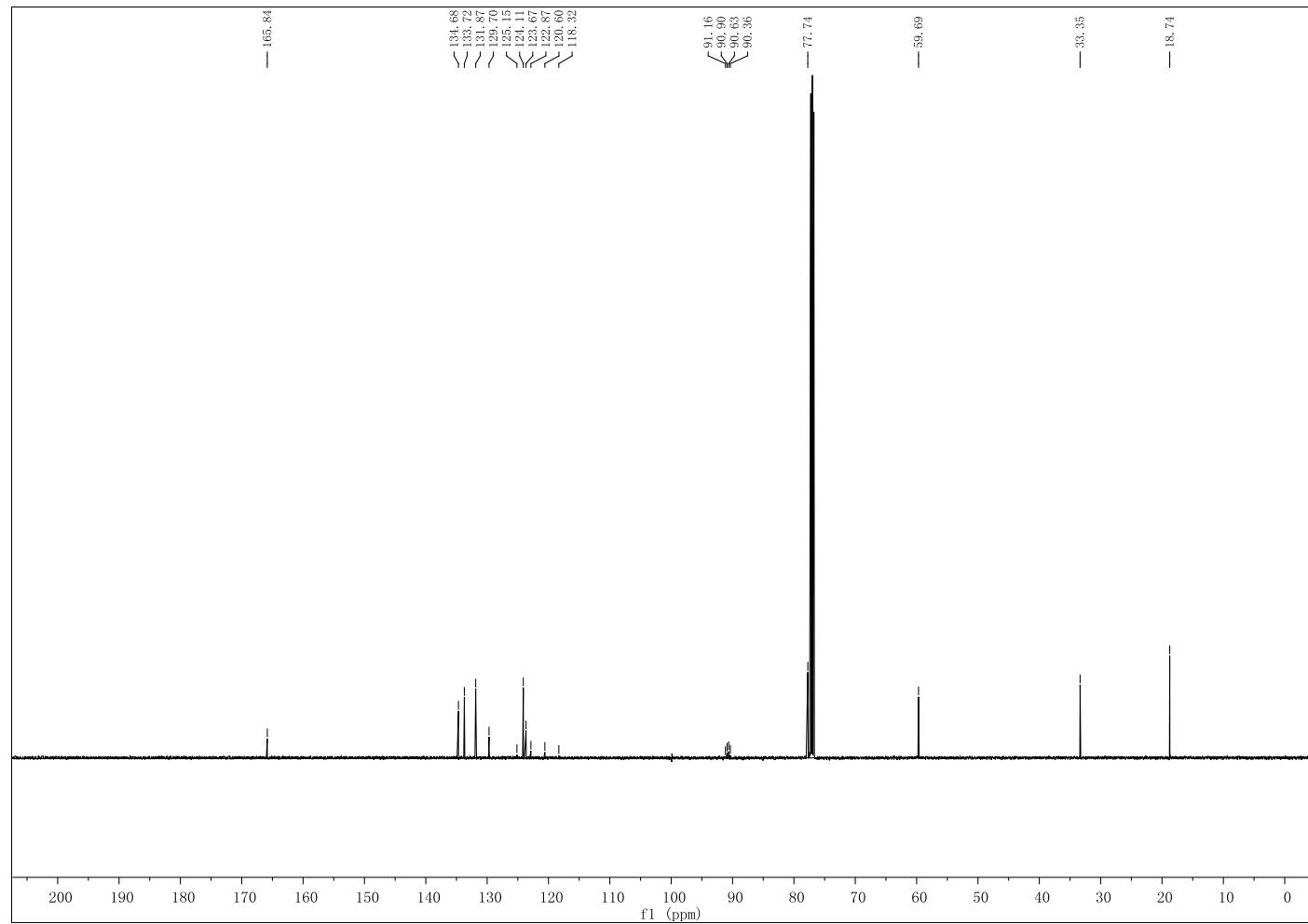
^1H NMR spectrum
(500 MHz, CDCl_3)



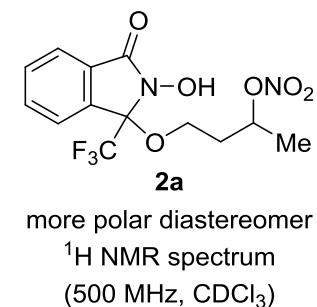
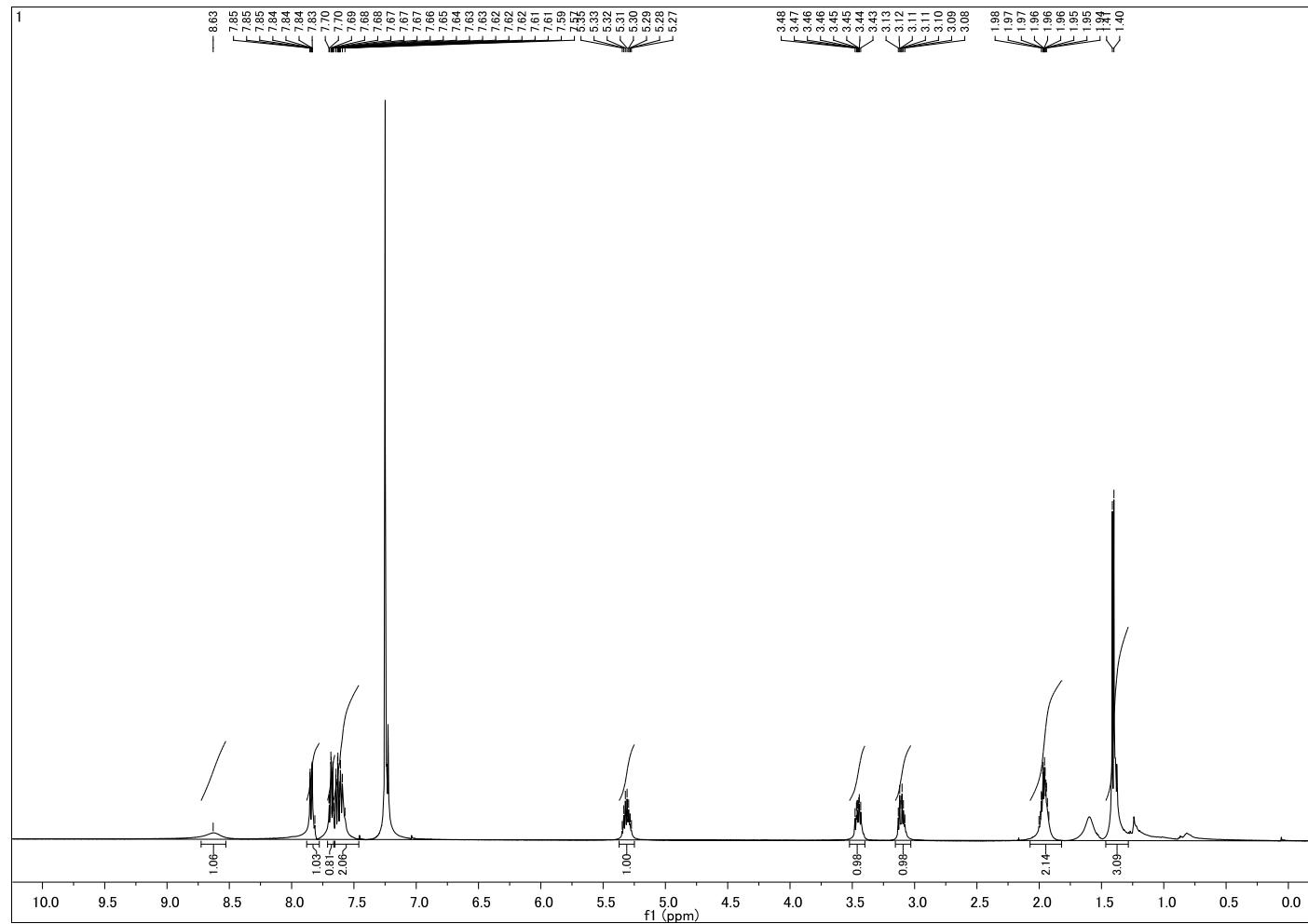
¹³C NMR spectrum
(123 MHz, CDCl₃)

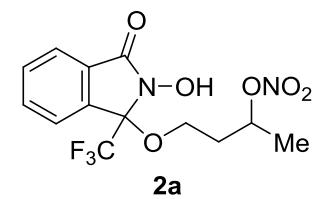
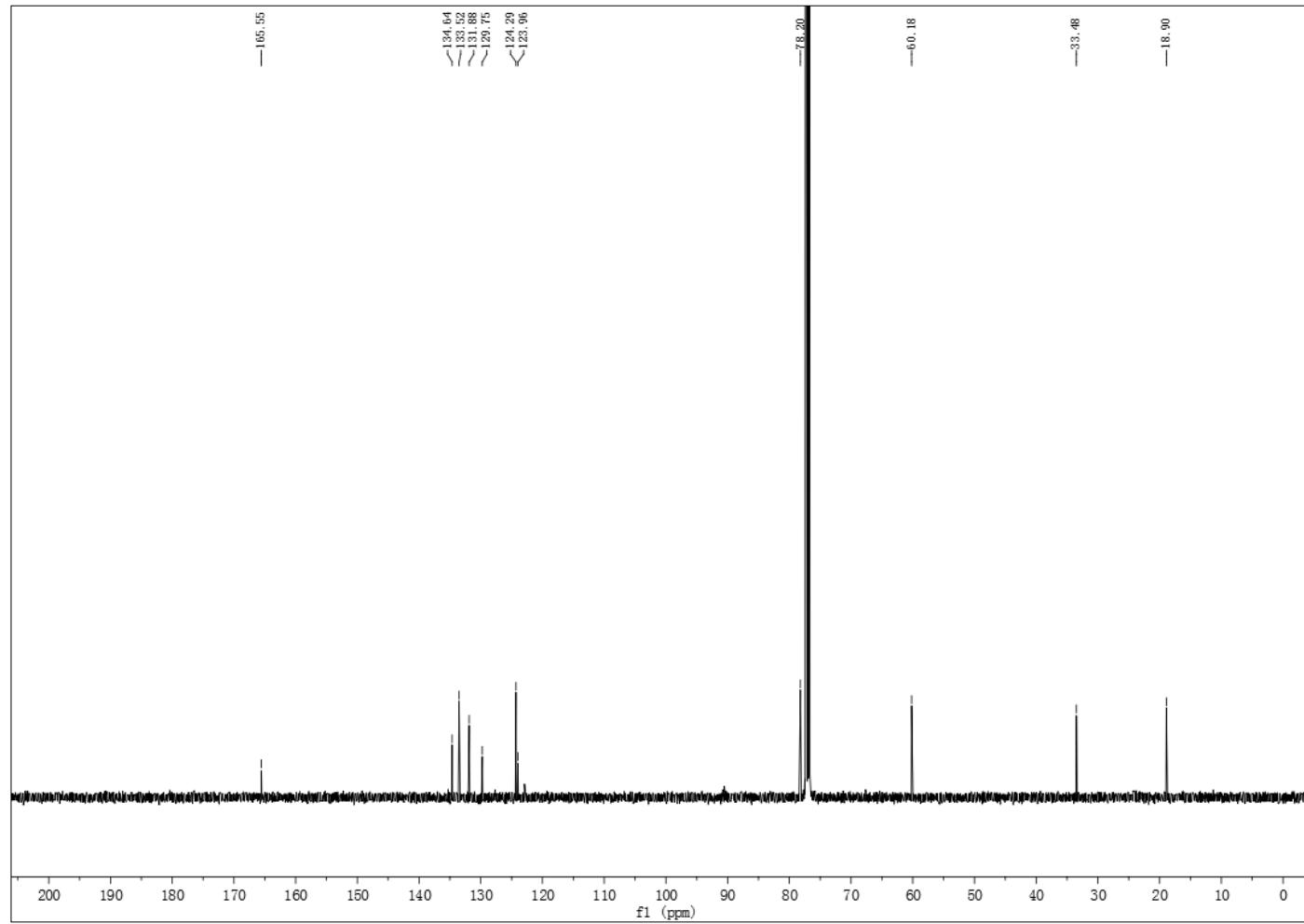


less polar diastereomer
¹H NMR spectrum
(500 MHz, CDCl_3)

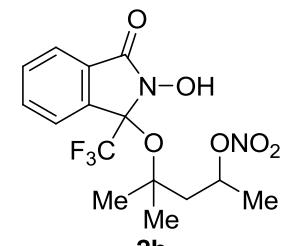
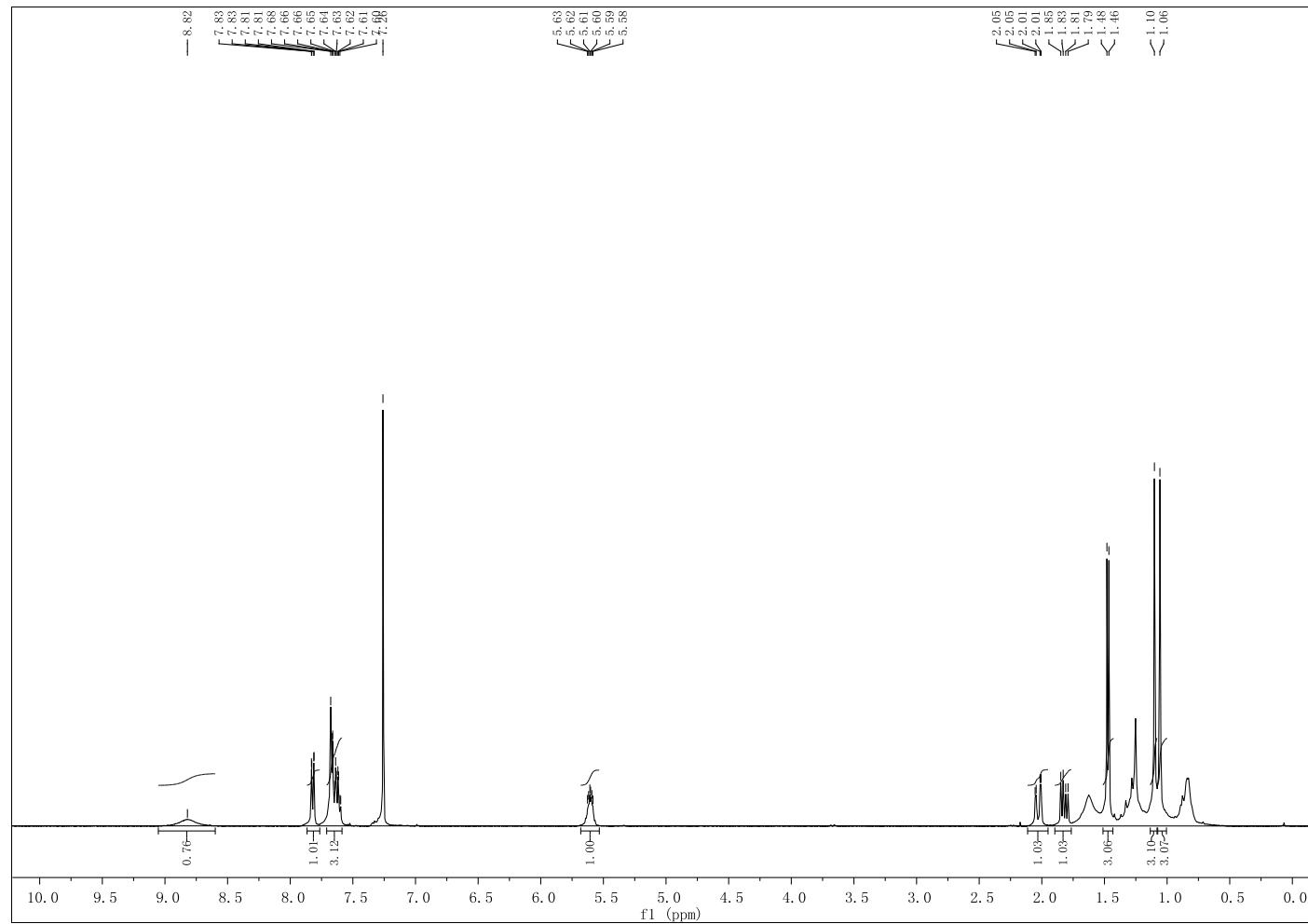


less polar diastereomer
 ^{13}C NMR spectrum
(125 MHz, CDCl_3)



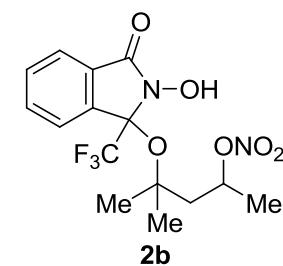
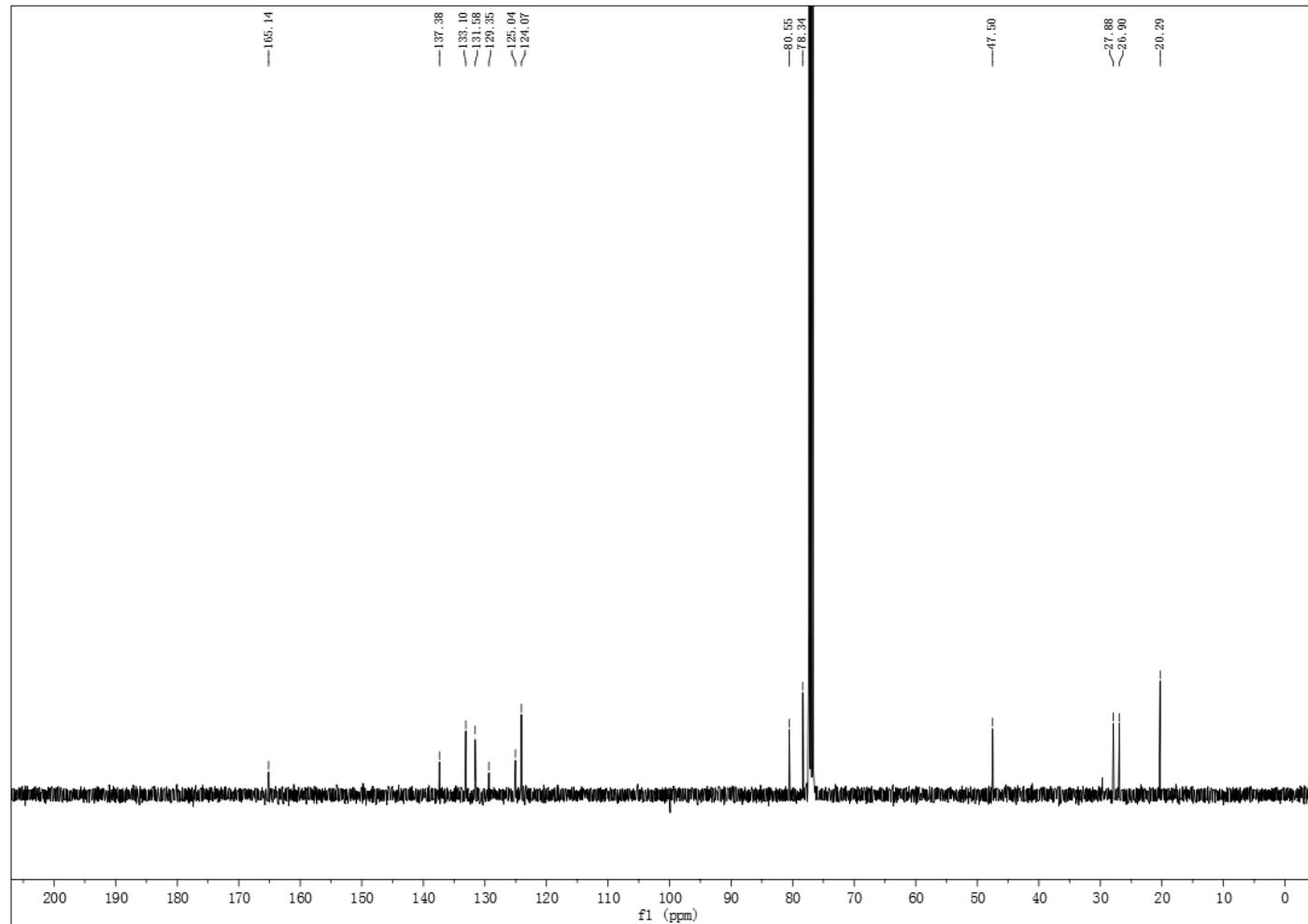


more polar diastereomer
¹³C NMR spectrum
(125 MHz, CDCl₃)



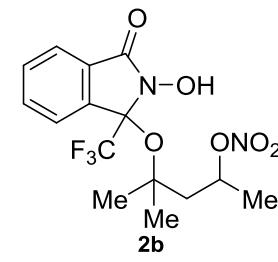
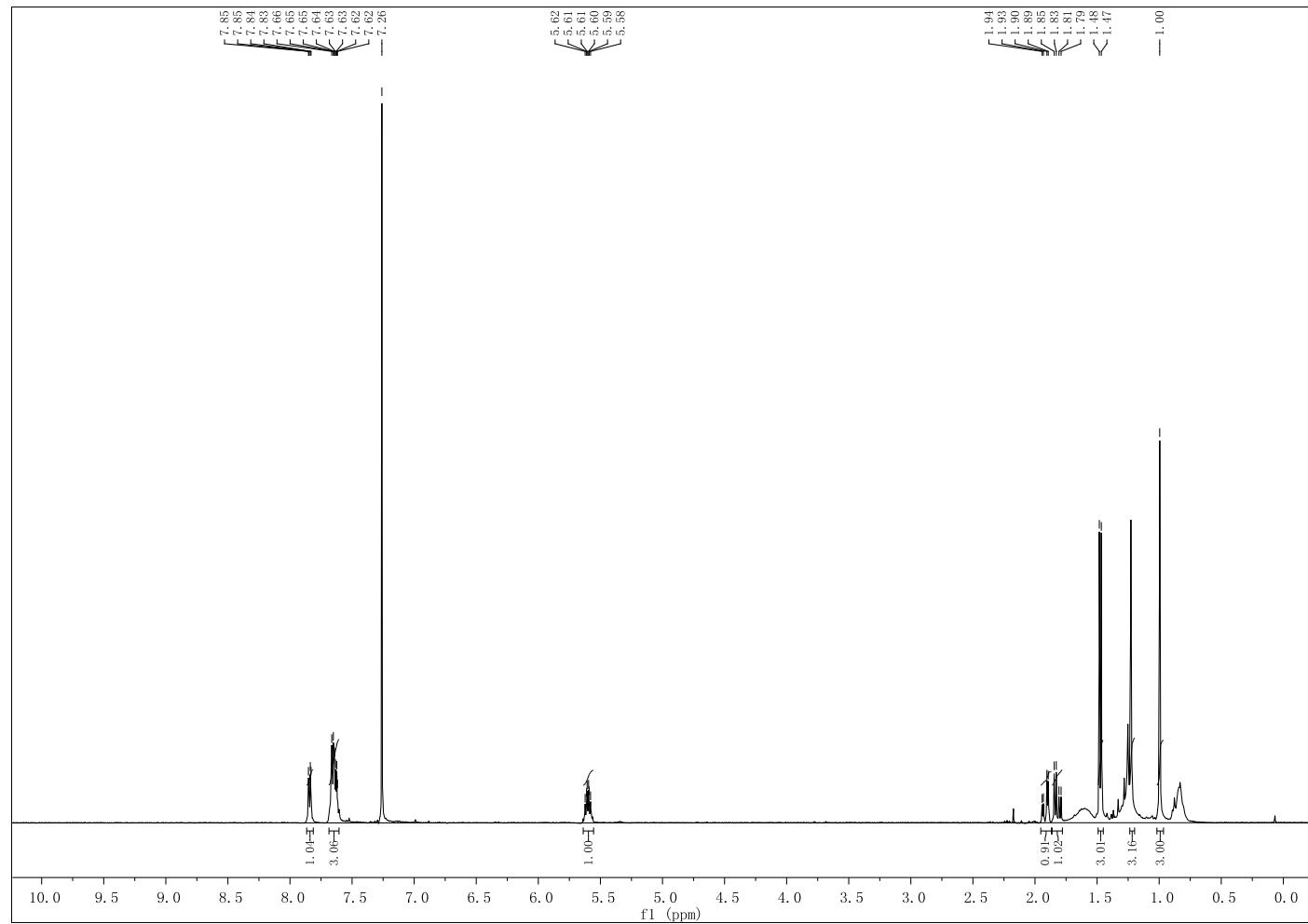
less polar diastereomer

^1H NMR spectrum
(400 MHz, CDCl_3)

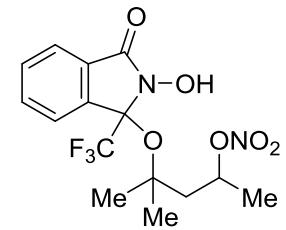
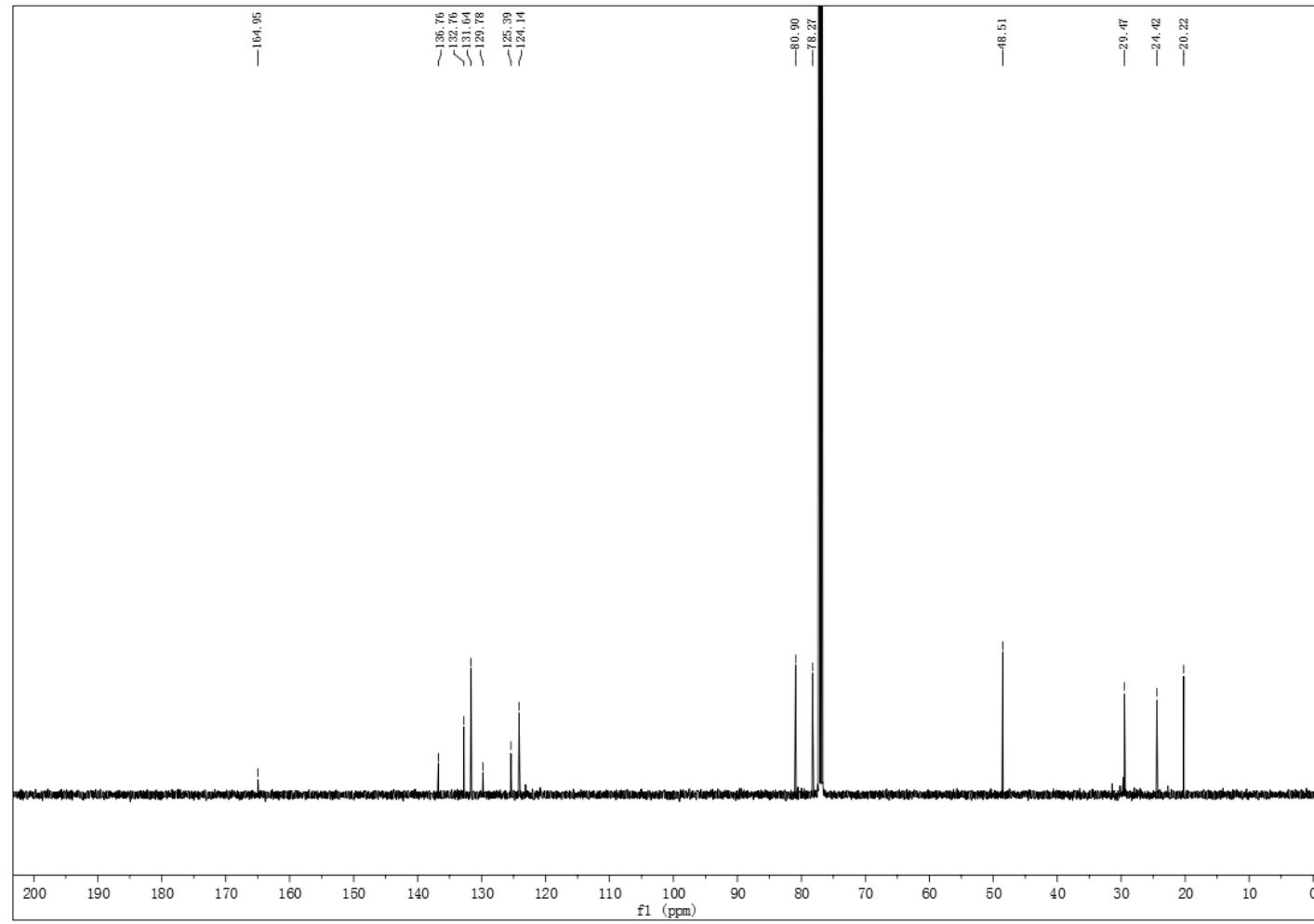


less polar diastereomer

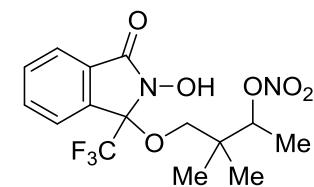
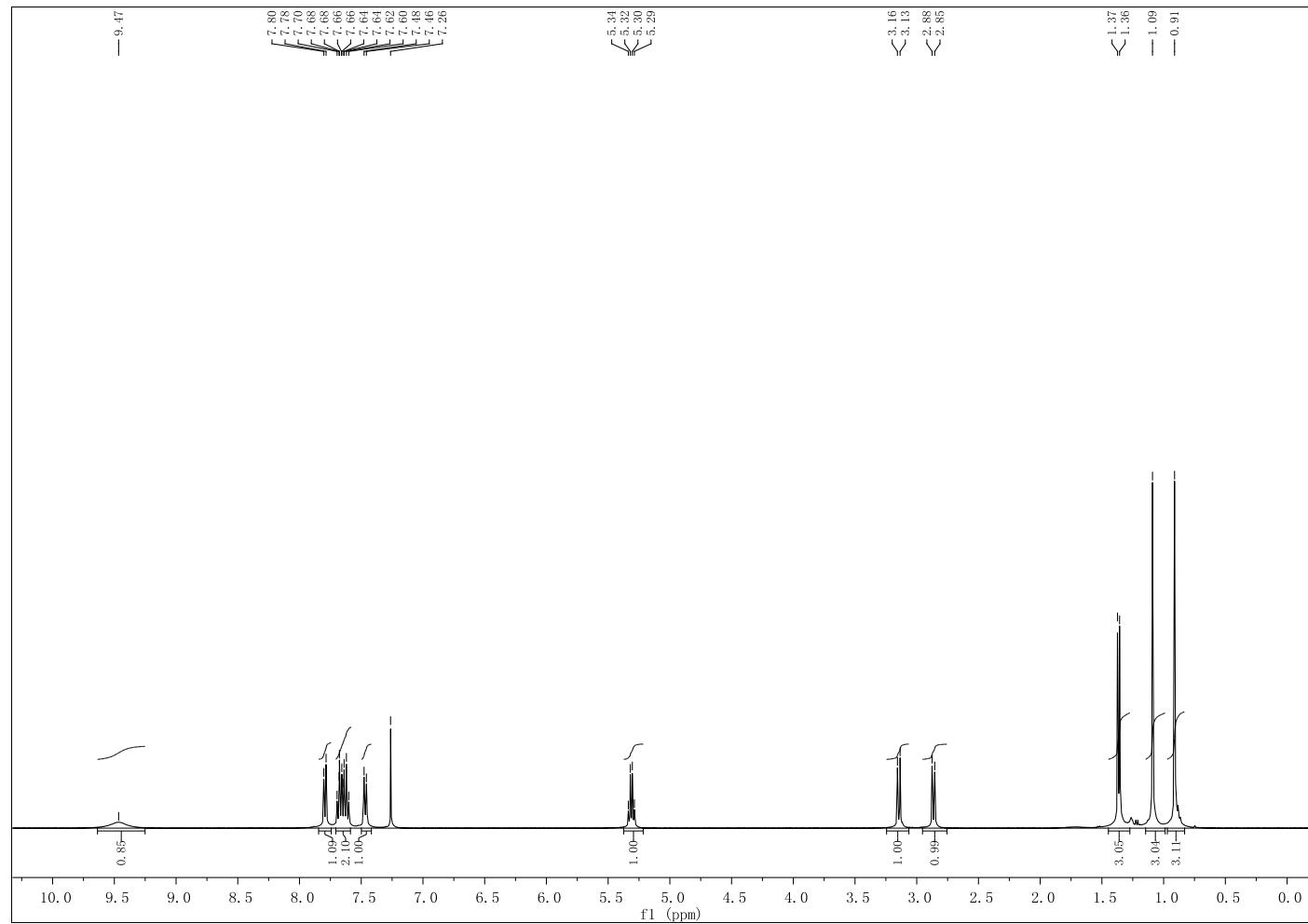
^{13}C NMR spectrum
(100 MHz, CDCl_3)



more polar diastereomer
¹H NMR spectrum
(400 MHz, CDCl₃)

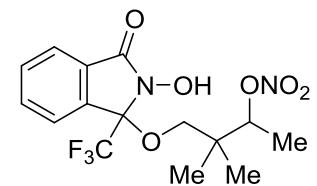
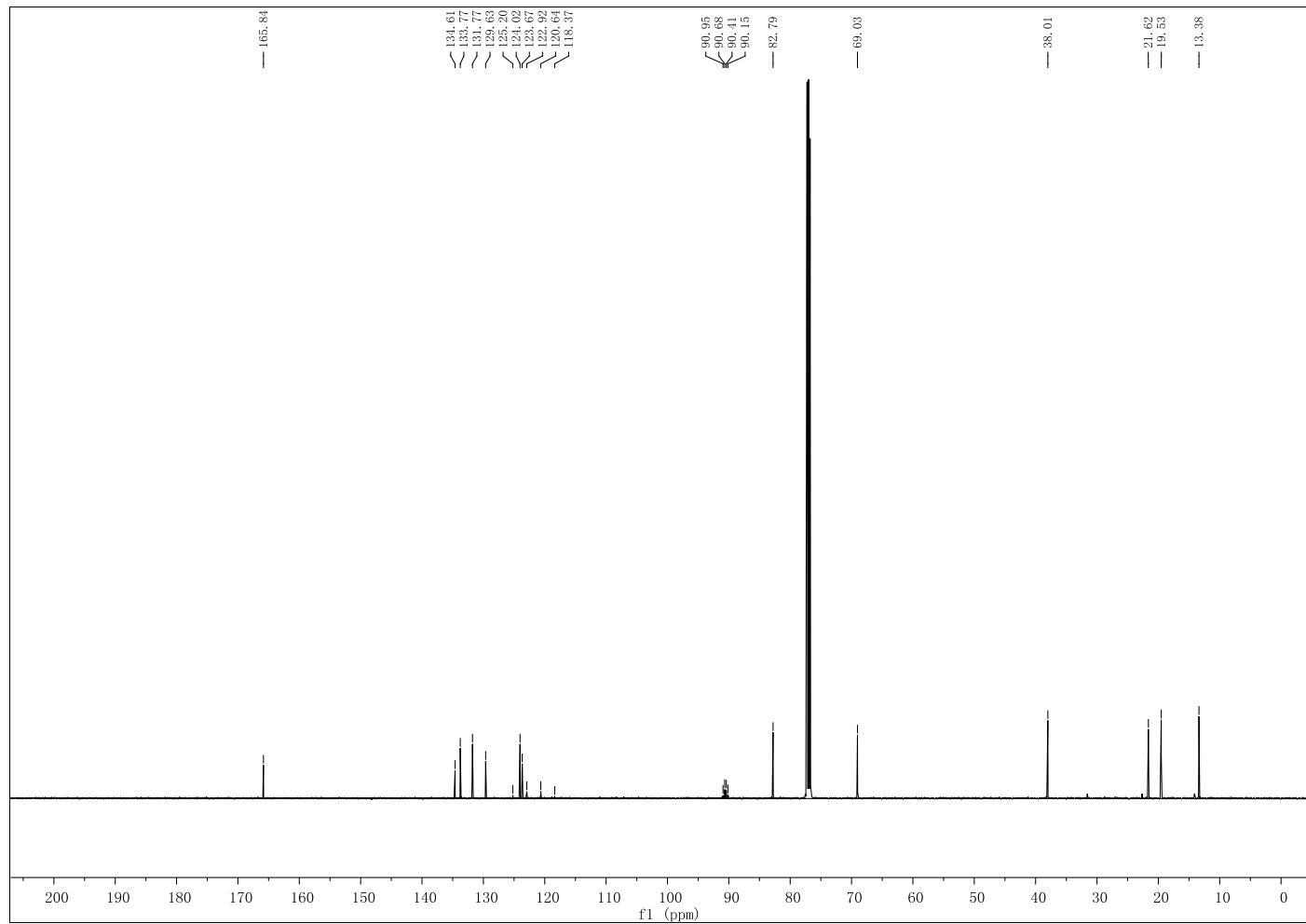


2b
more polar diastereomer
 ^{13}C NMR spectrum
(125 MHz, CDCl_3)



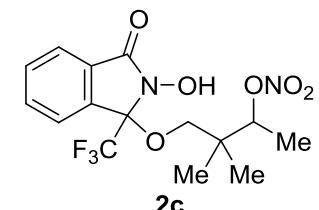
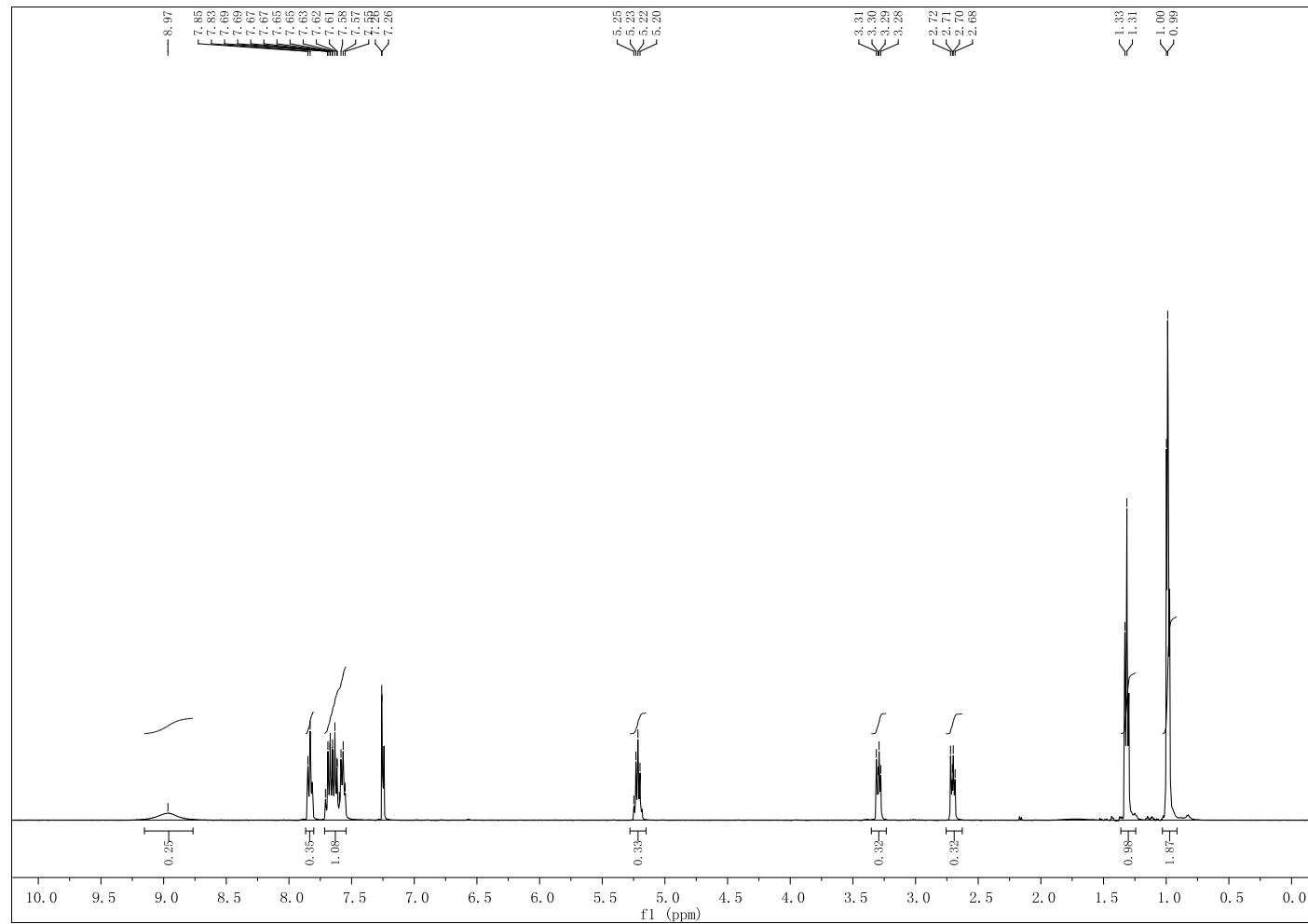
2c

less polar diastereomer
 ^1H NMR spectrum
 (400 MHz, CDCl_3)

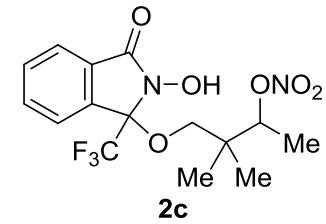
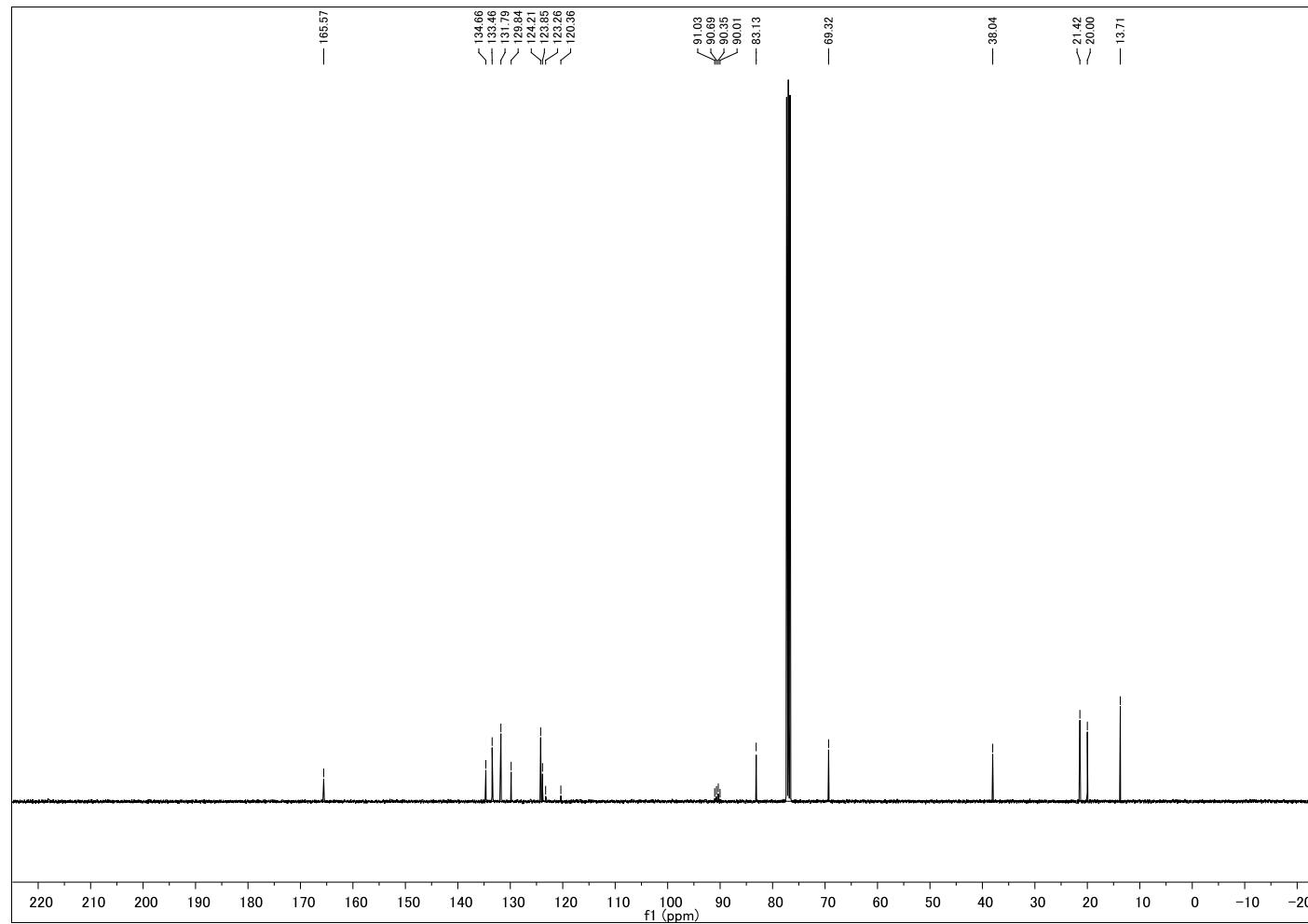


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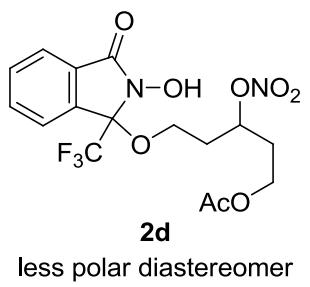
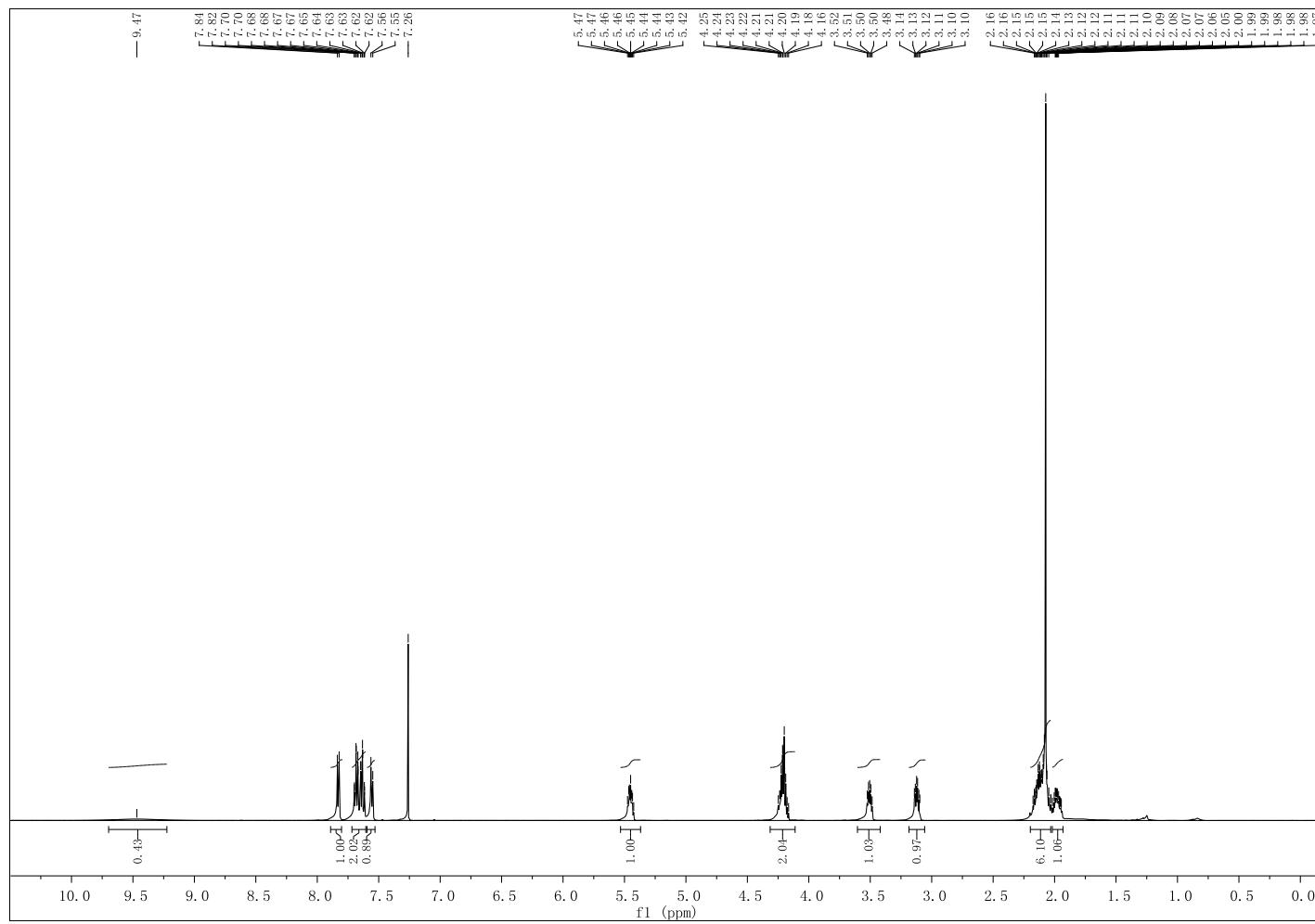
less polar diastereomer
 ^{13}C NMR spectrum
(125 MHz, CDCl_3)

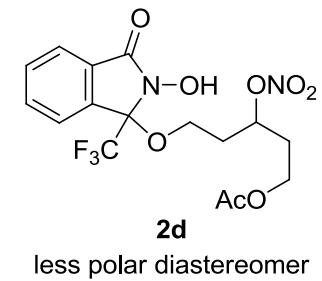
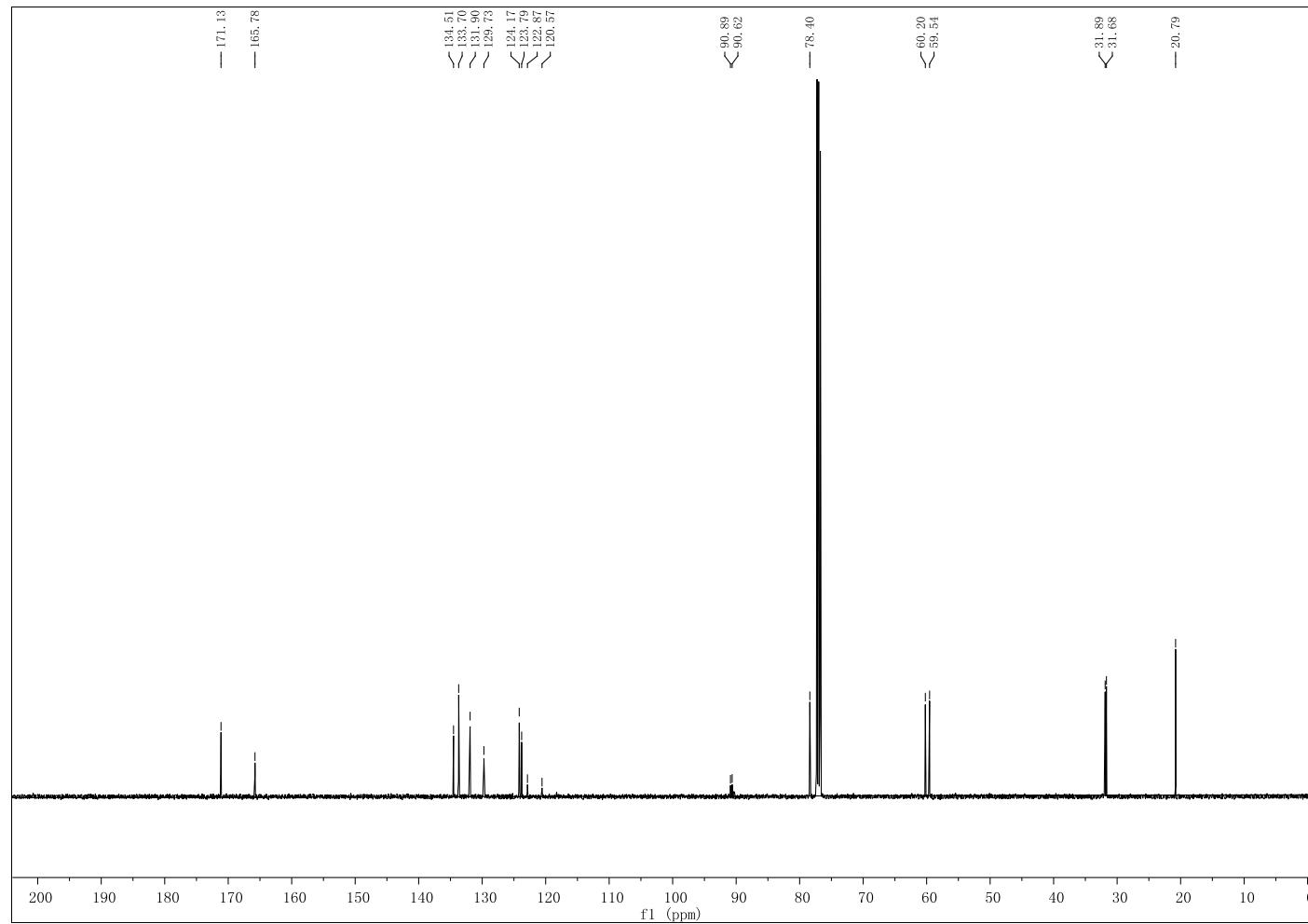


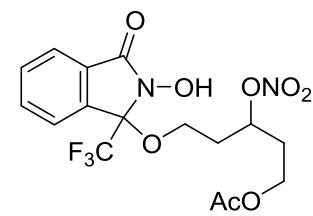
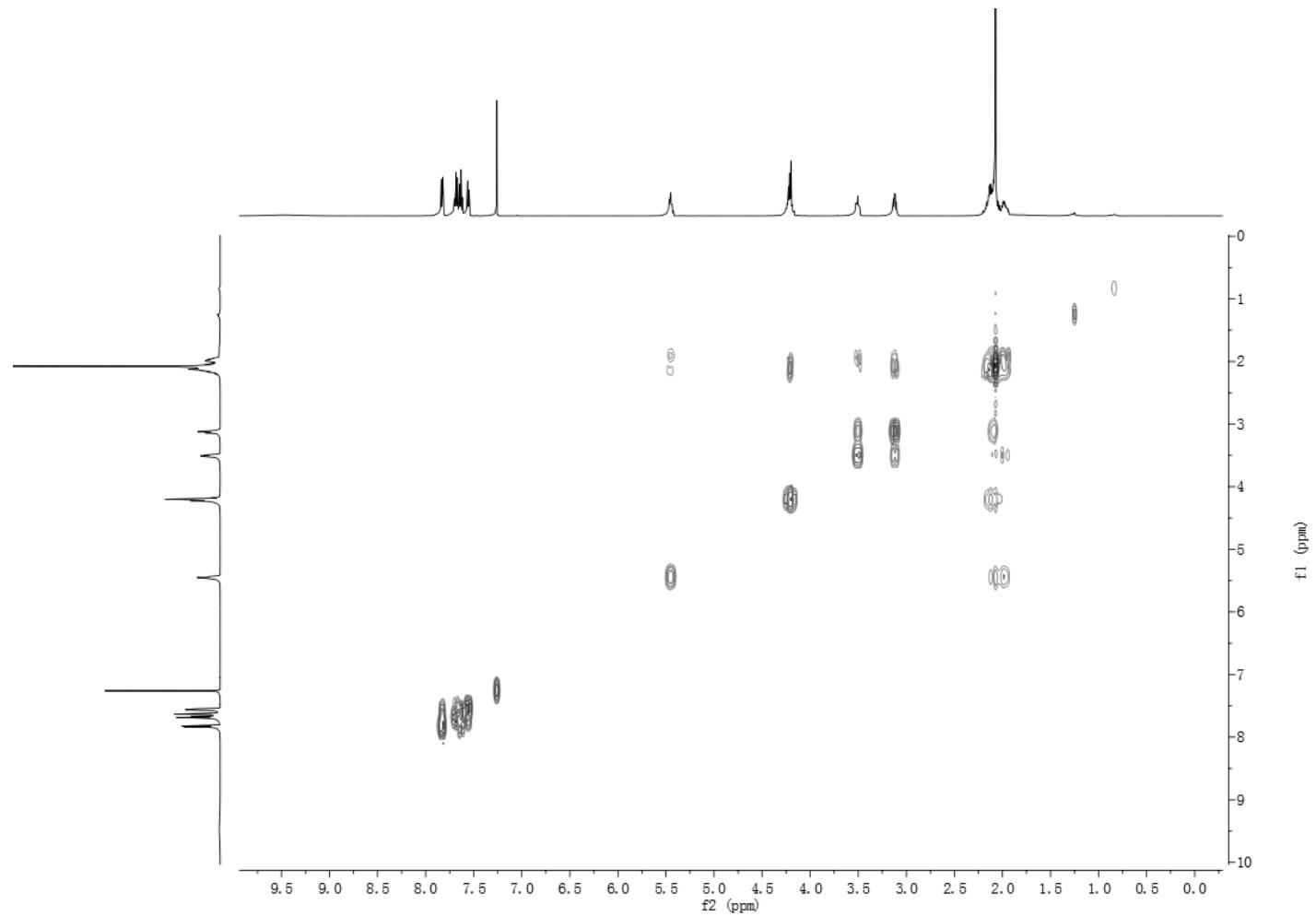
more polar diastereomer
¹H NMR spectrum
(400 MHz, CDCl₃)



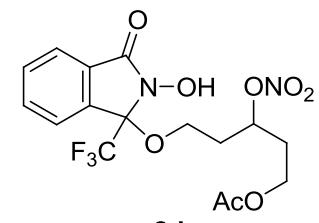
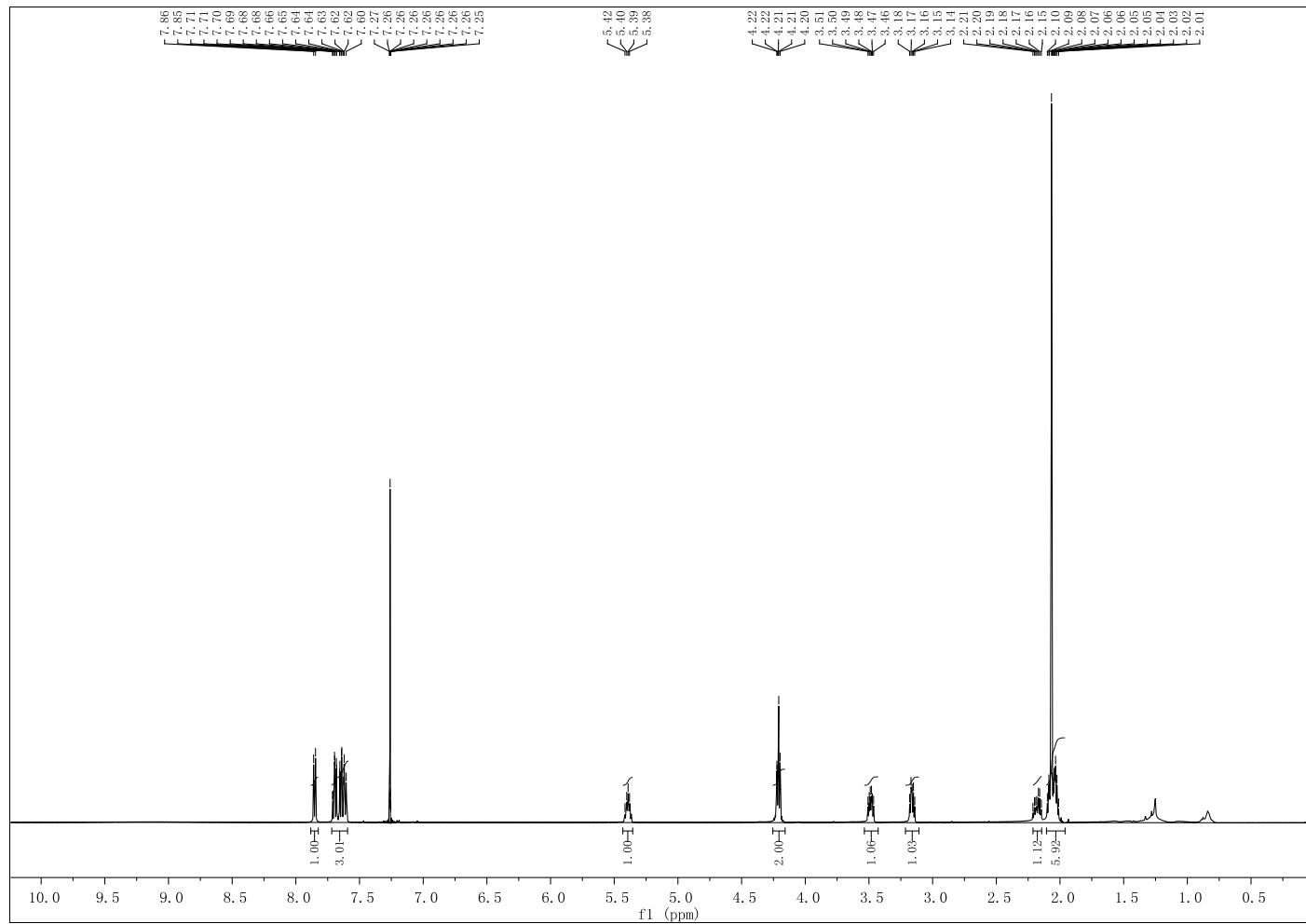
more polar diastereomer
¹³C NMR spectrum
(100 MHz, CDCl₃)





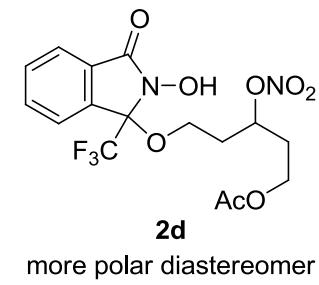
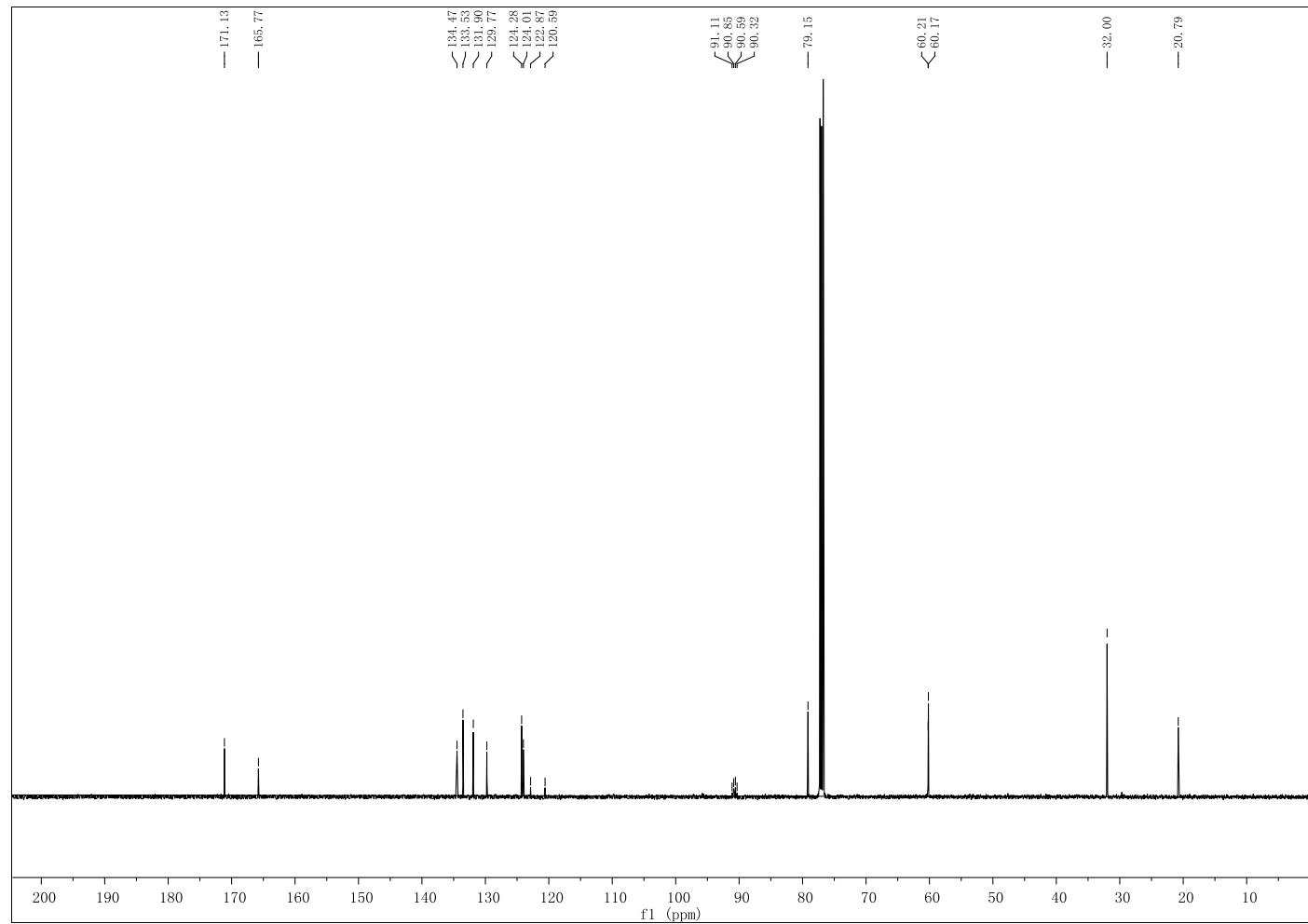


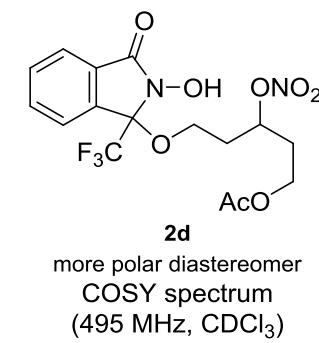
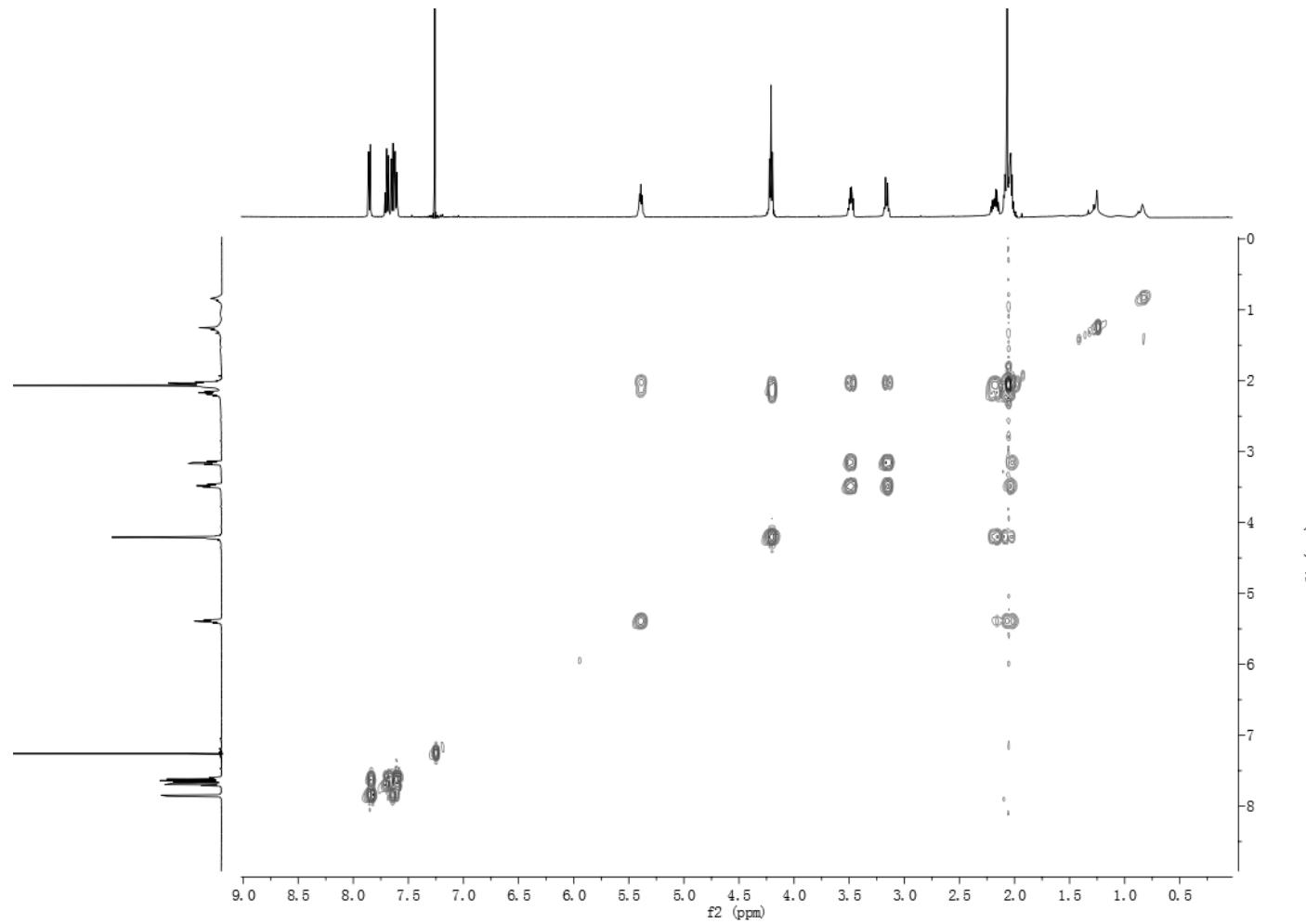
less polar diastereomer
COSY spectrum
(500 MHz, CDCl_3)

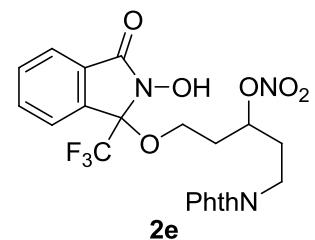
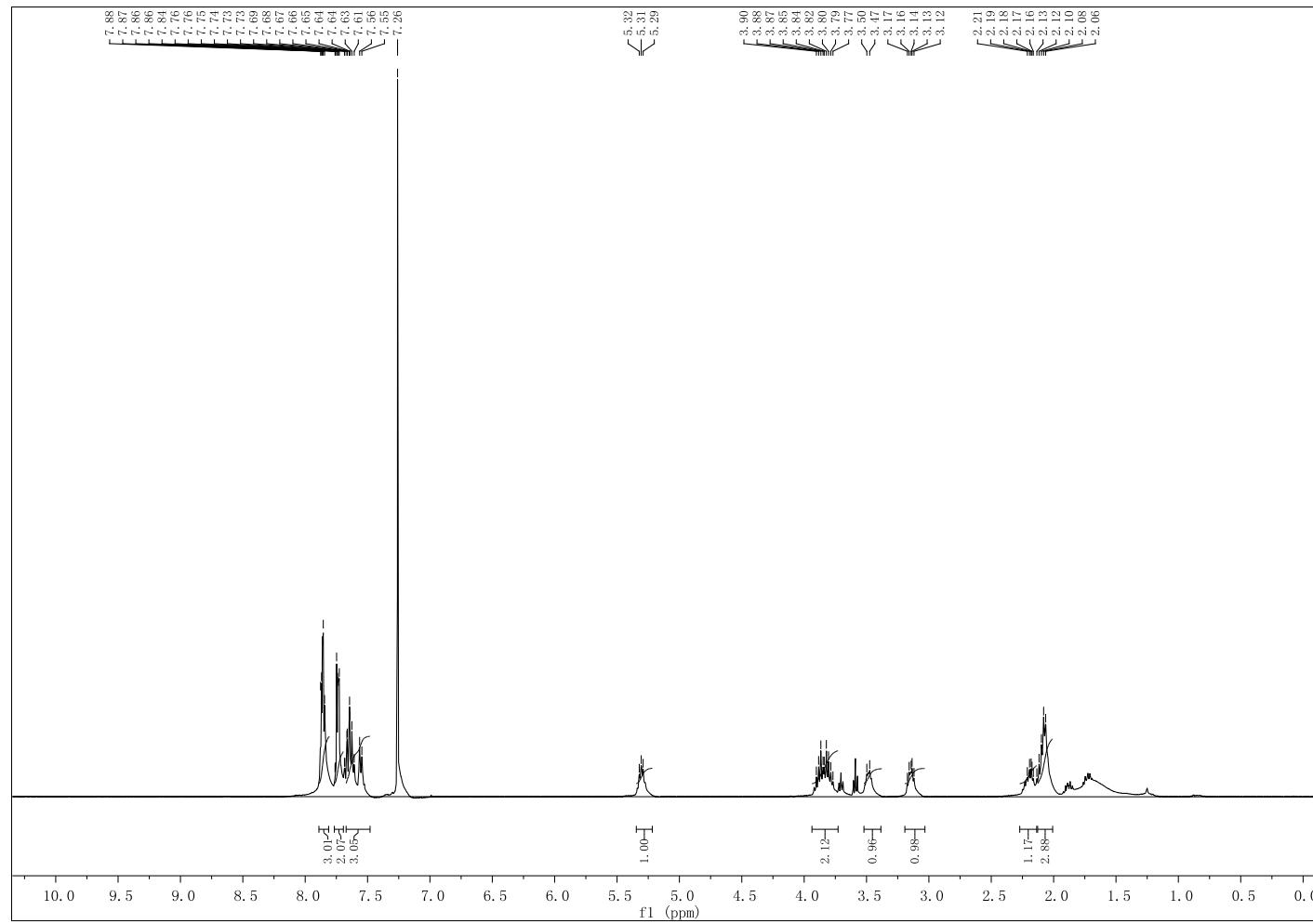


more polar diastereomer

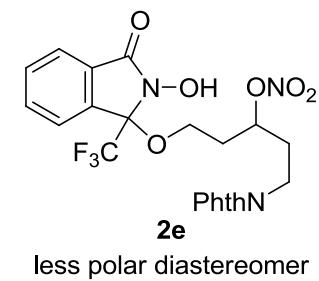
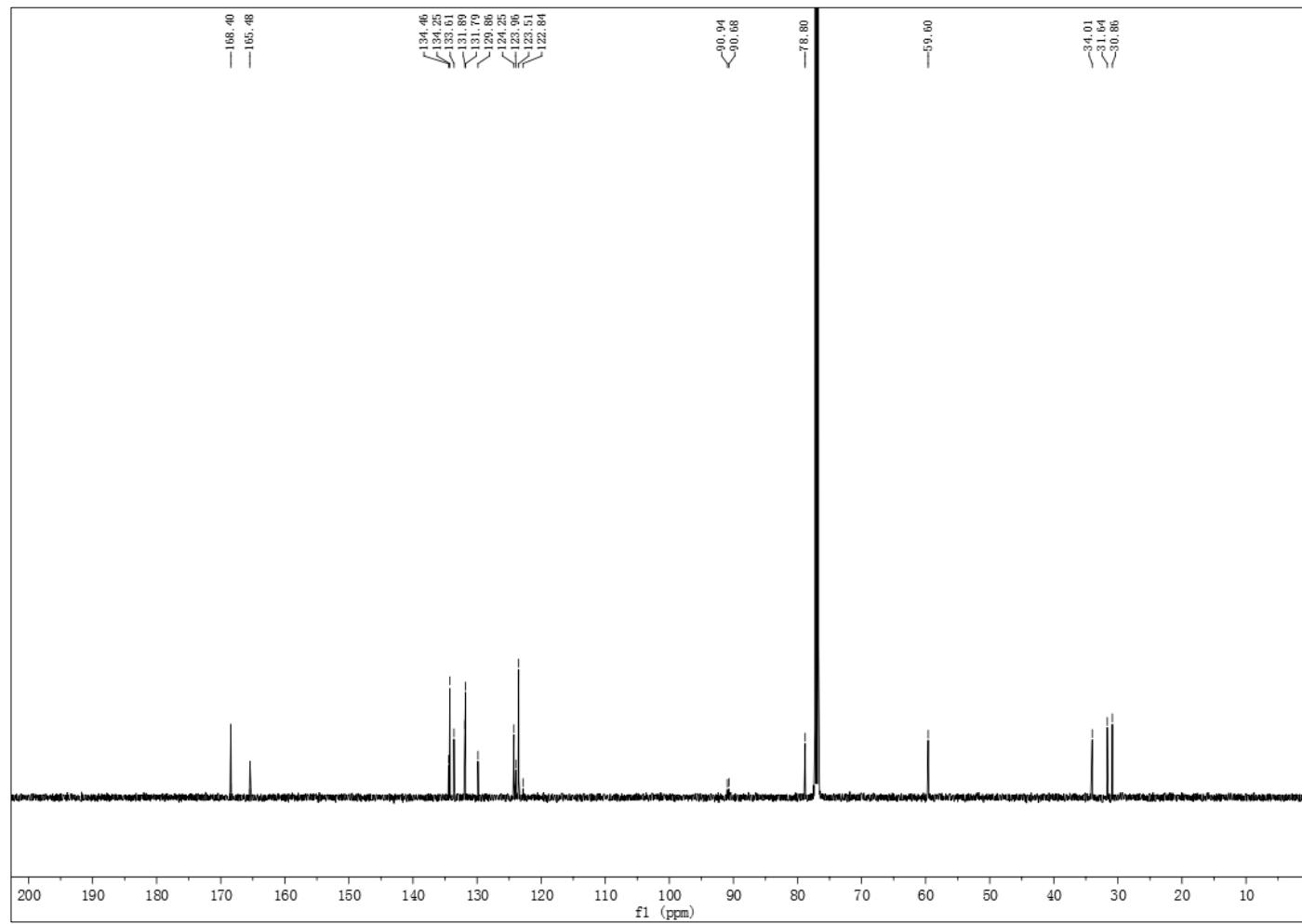
^1H NMR spectrum
(500 MHz, CDCl_3)

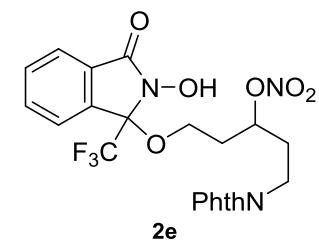
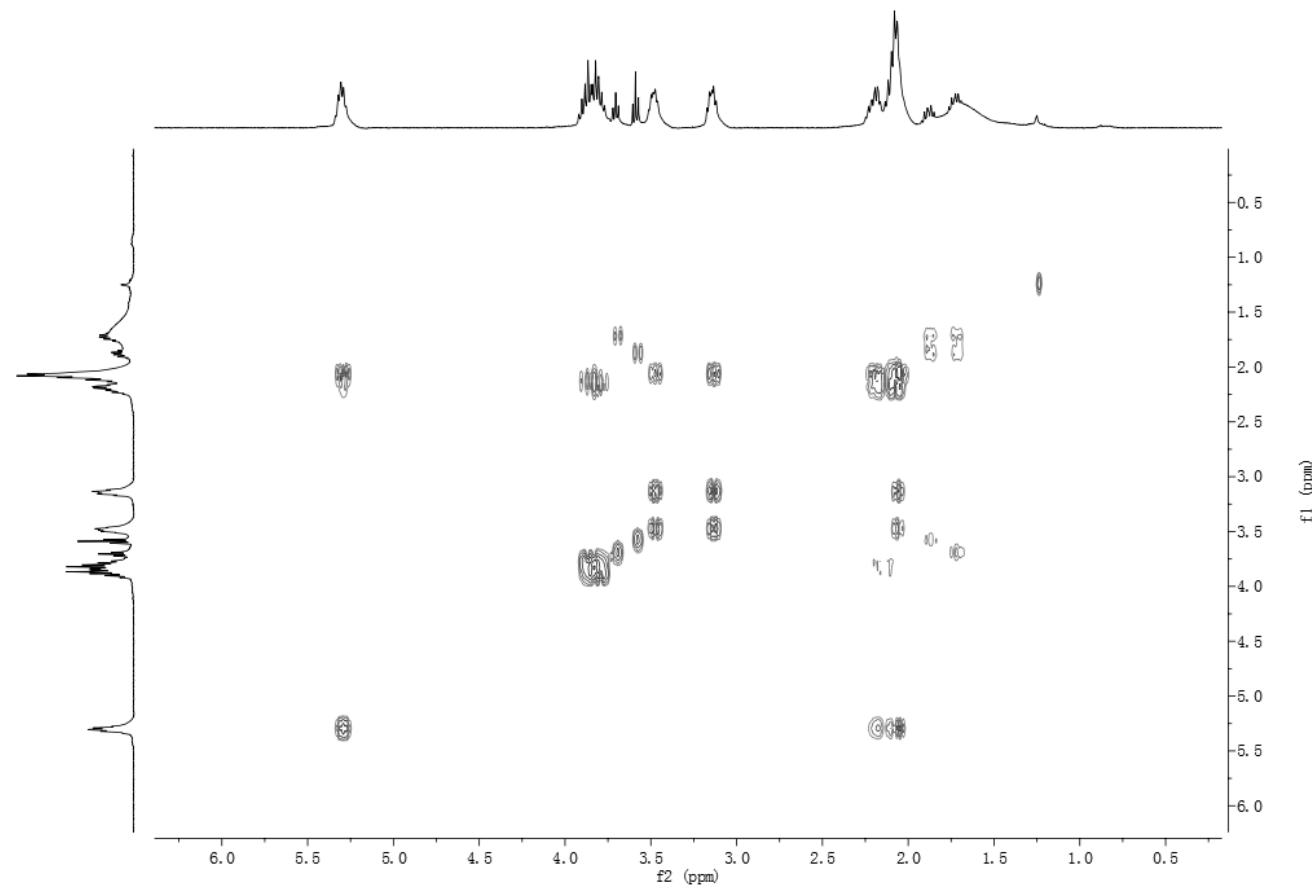




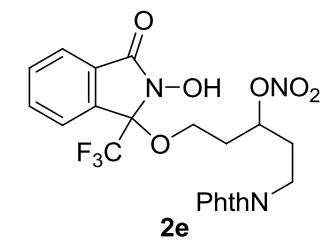
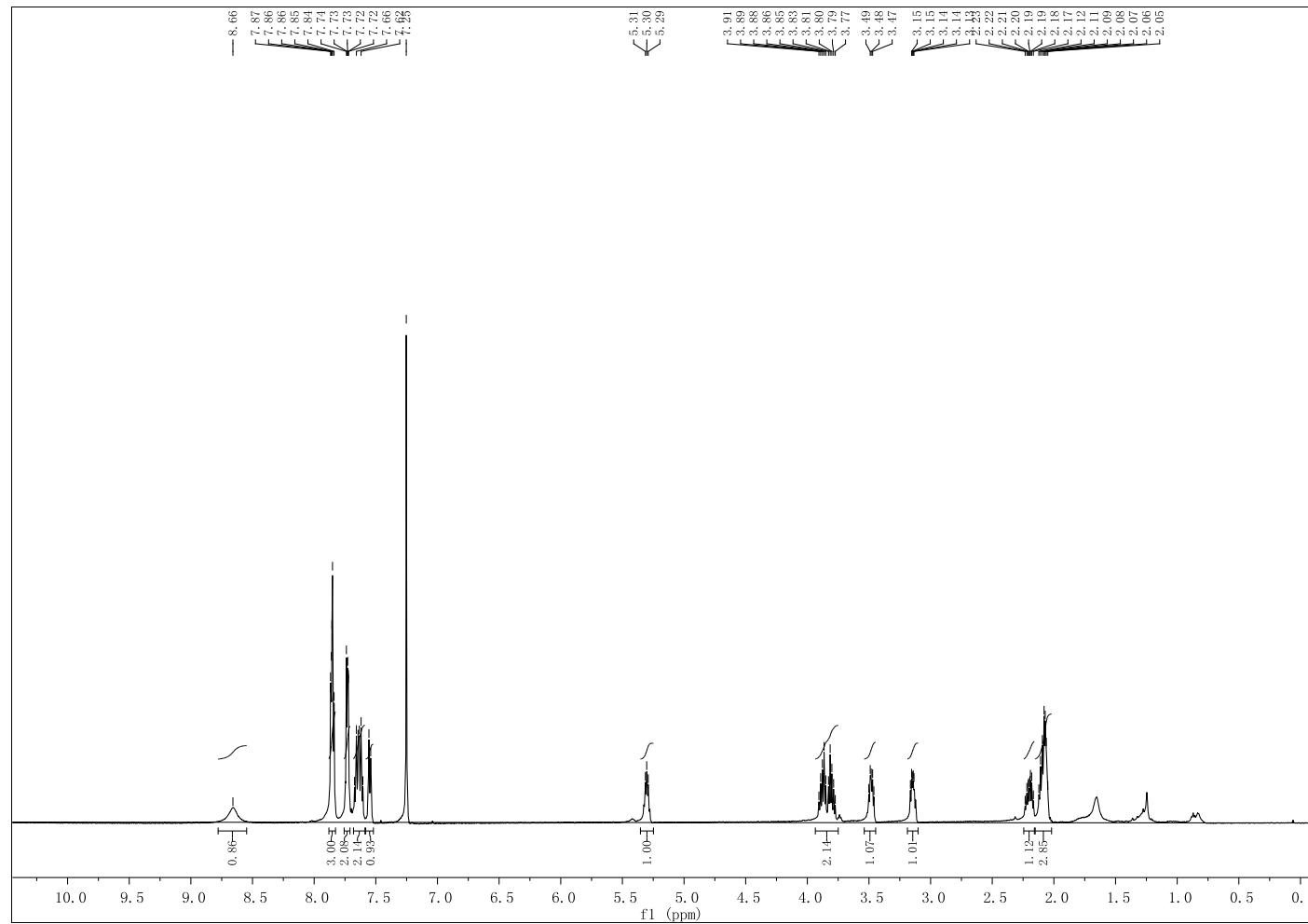


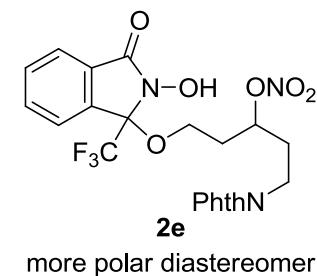
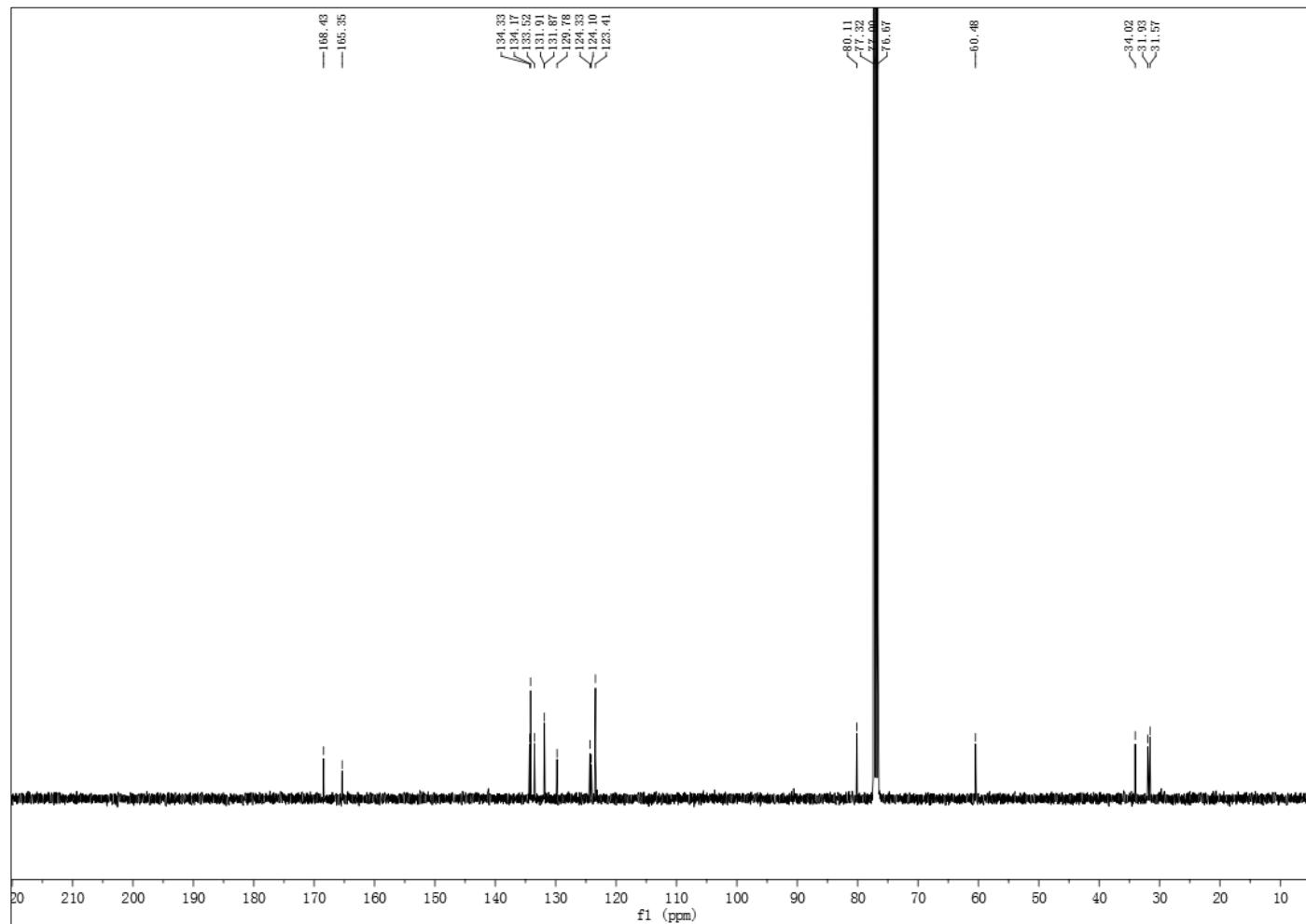
¹H NMR spectrum
 (400 MHz, CDCl₃)

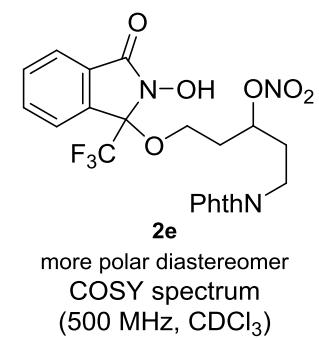
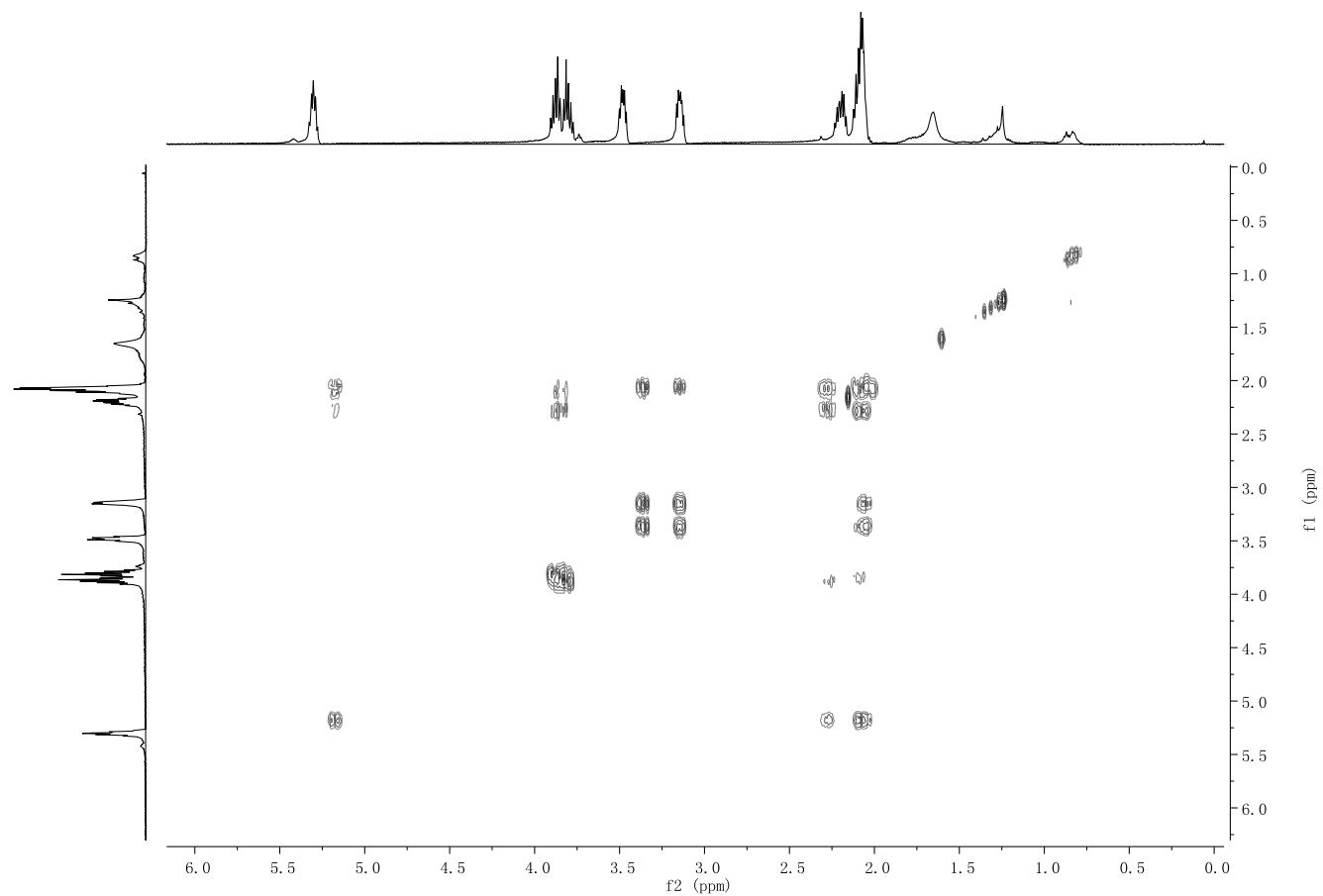


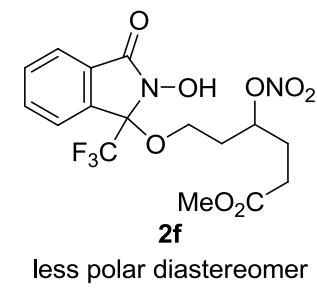
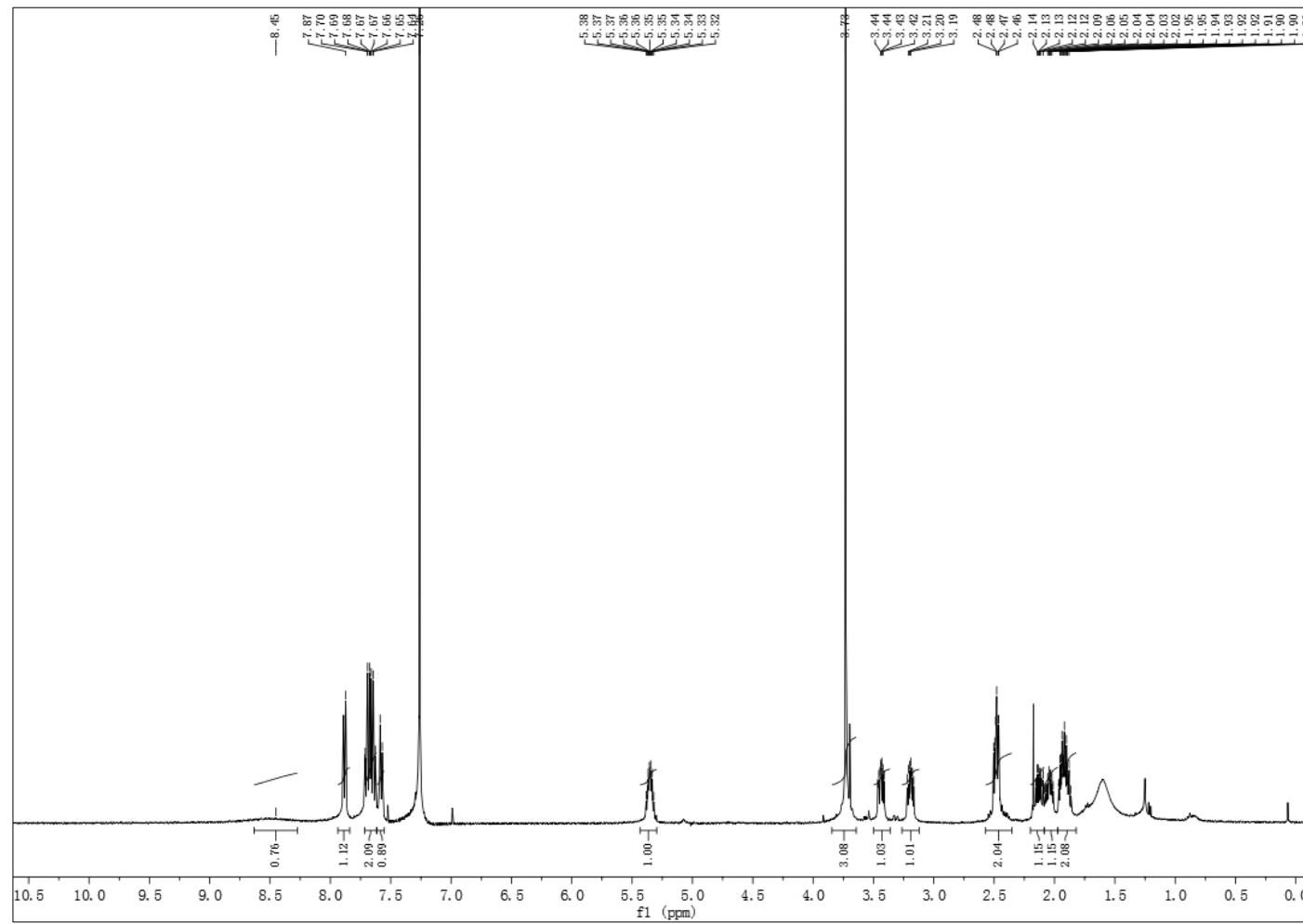


less polar diastereomer
COSY spectrum
(400 MHz, CDCl₃)

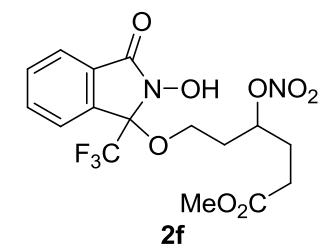
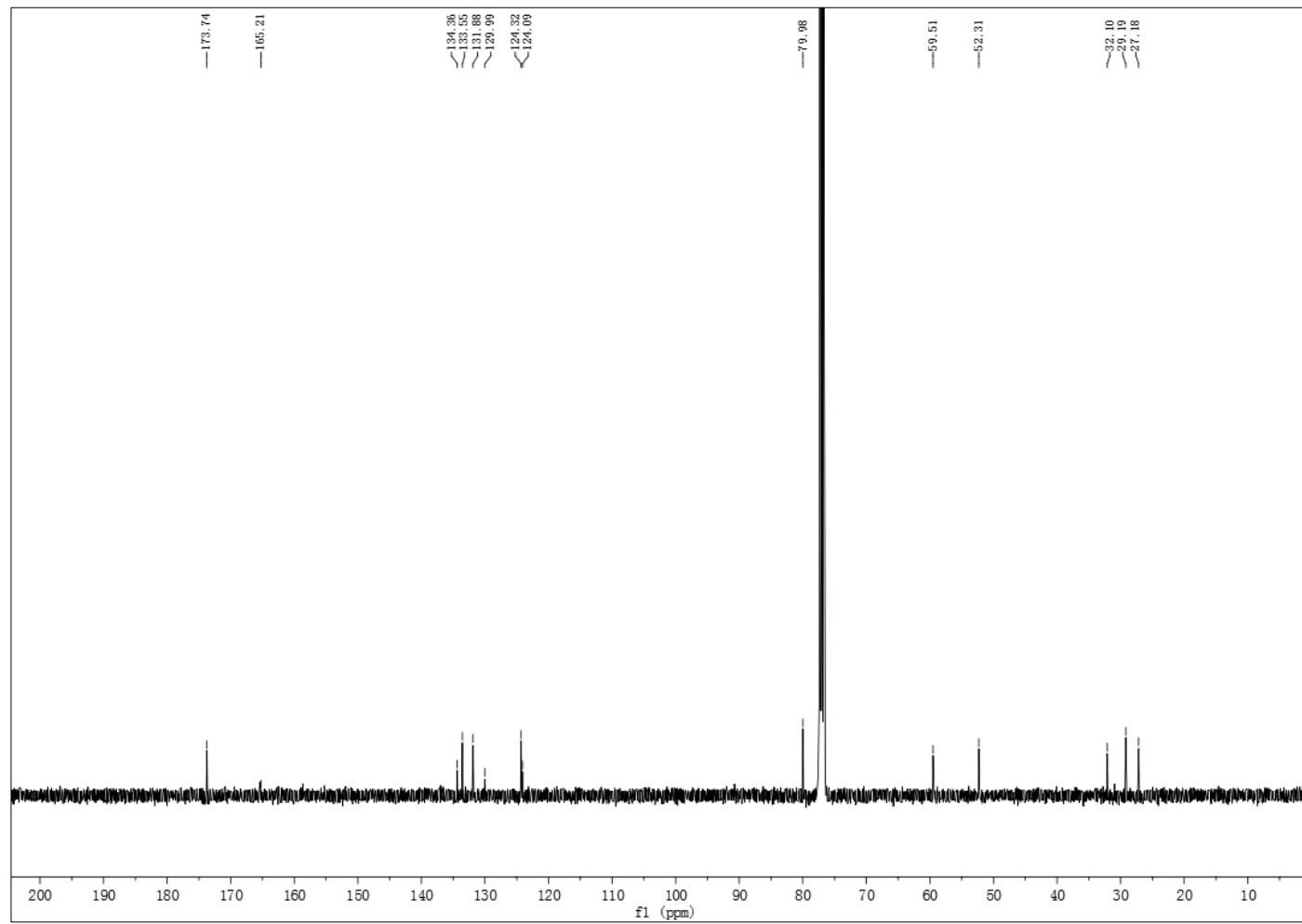




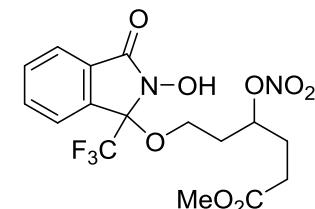
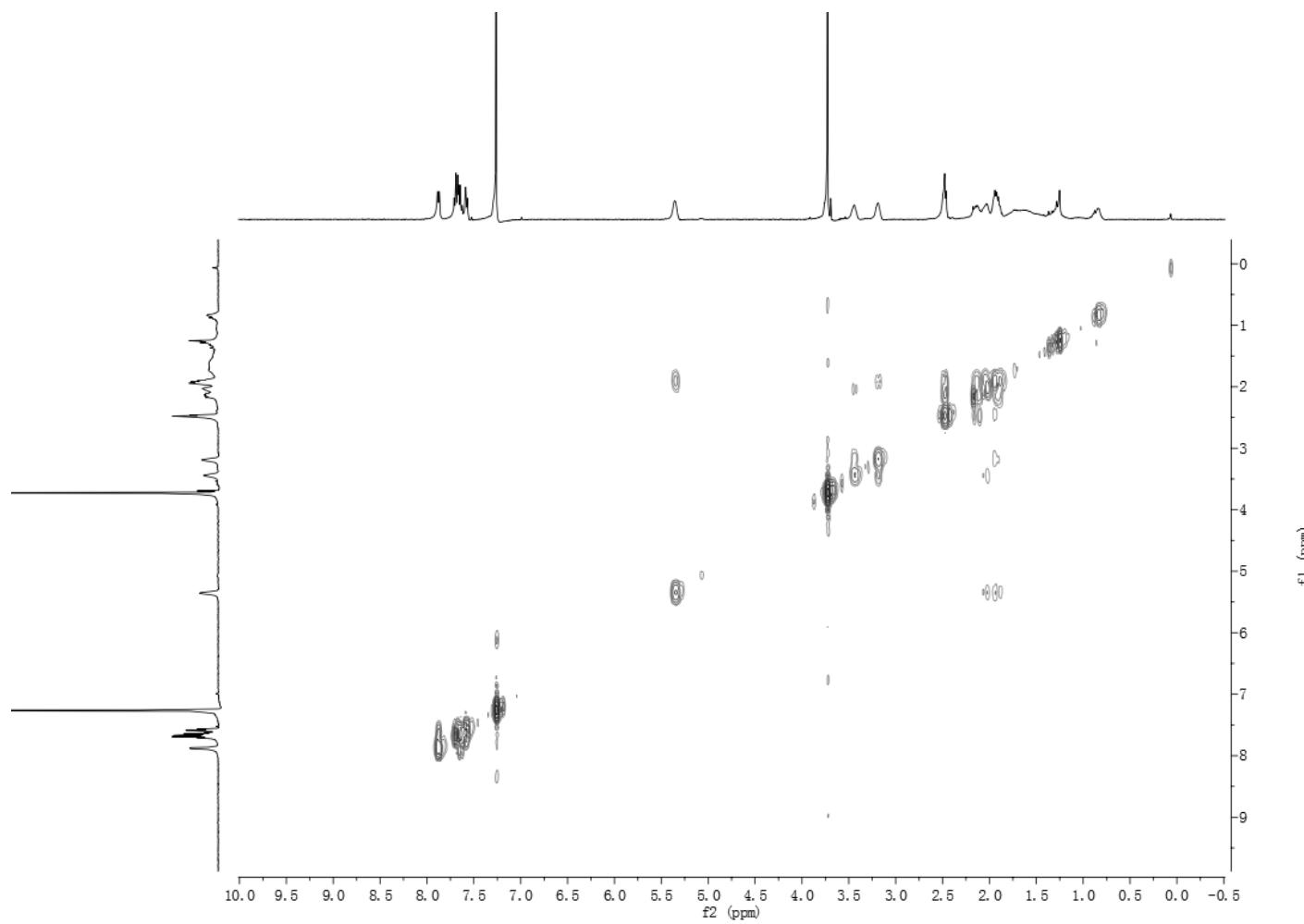




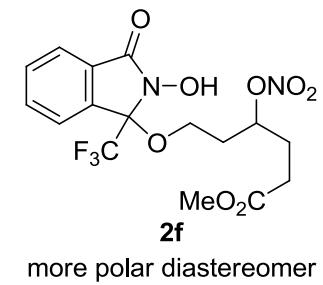
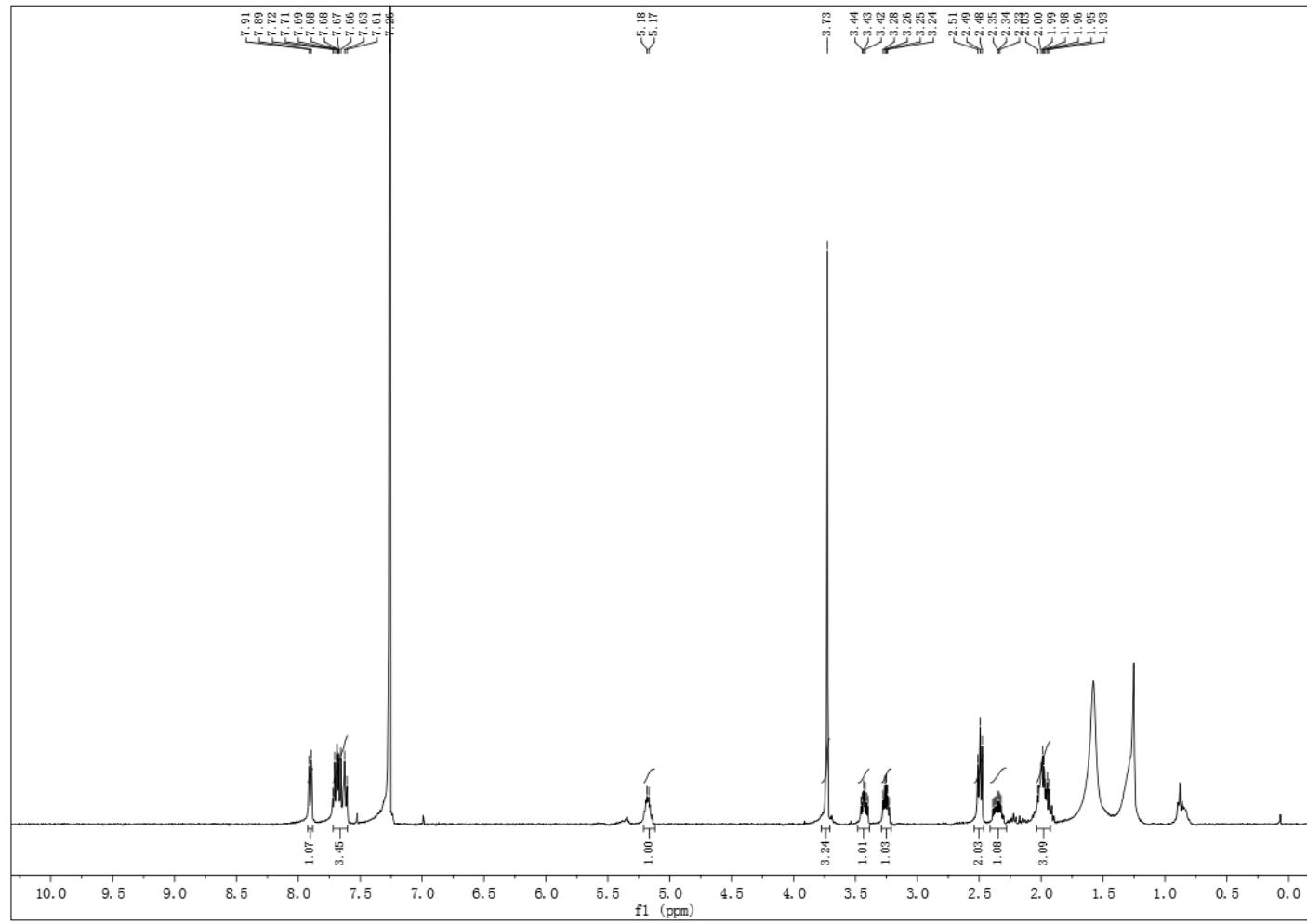
¹H NMR spectrum
(400 MHz, CDCl_3)

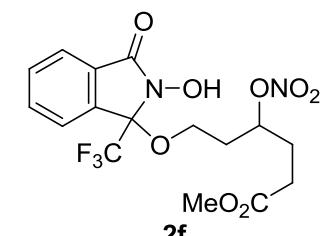
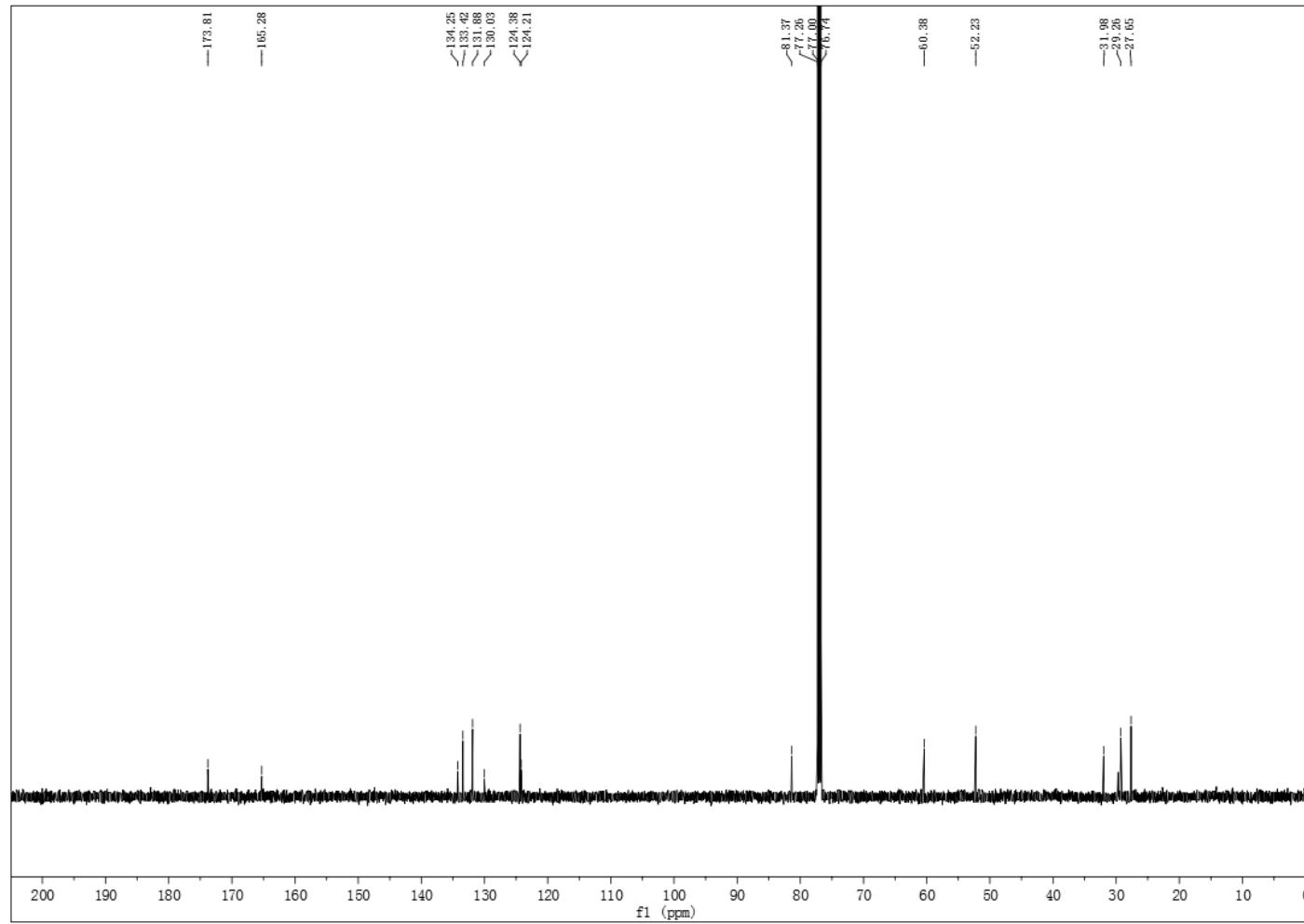


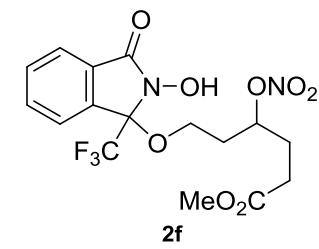
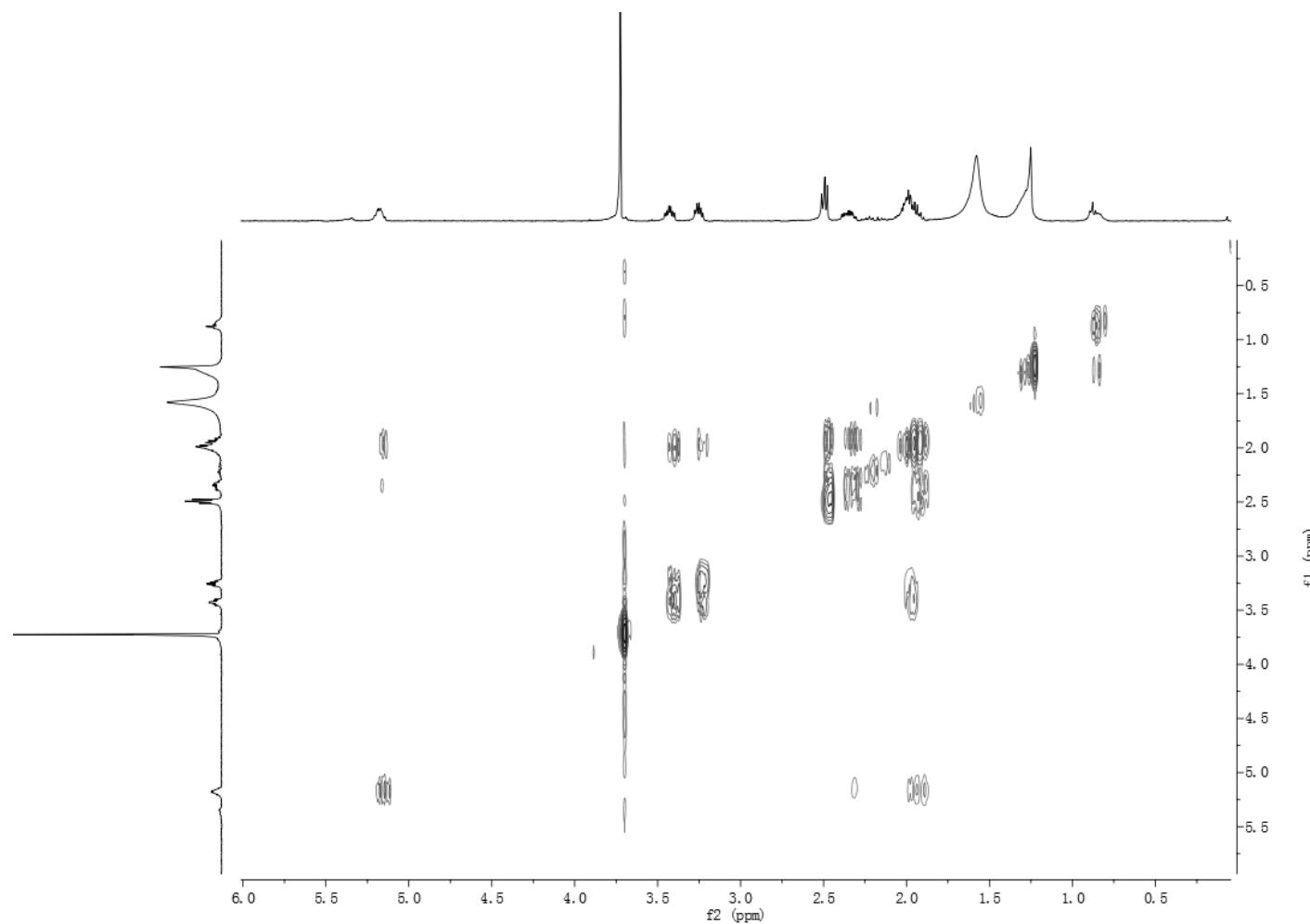
¹³C NMR spectrum
(100 MHz, CDCl₃)



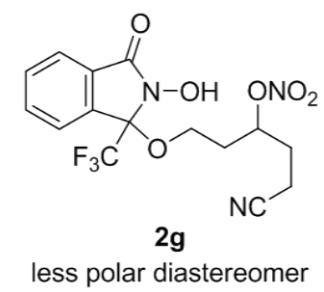
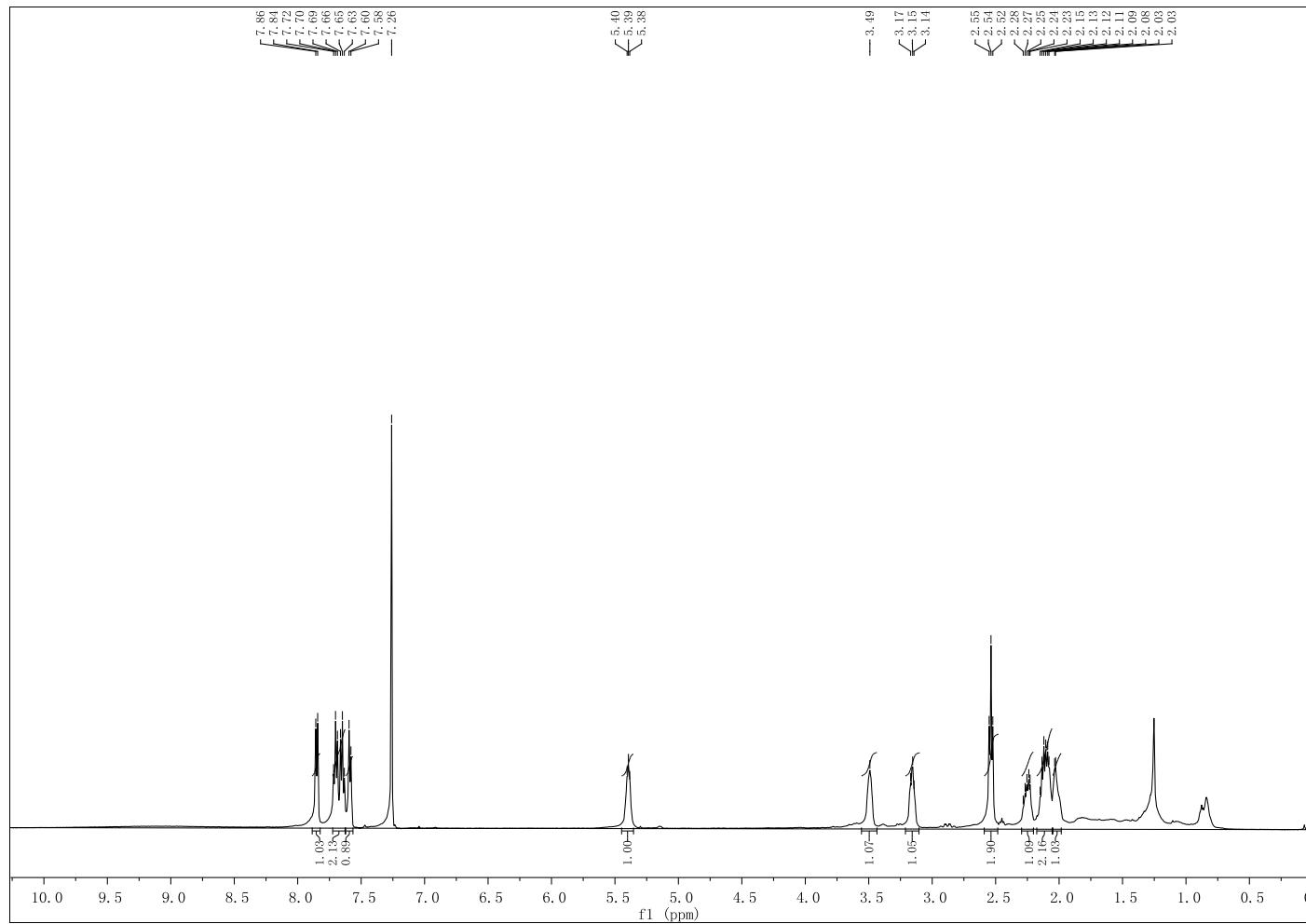
less polar diastereomer
COSY spectrum
(400 MHz, CDCl₃)

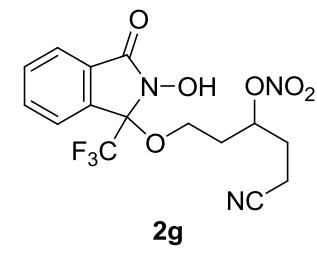
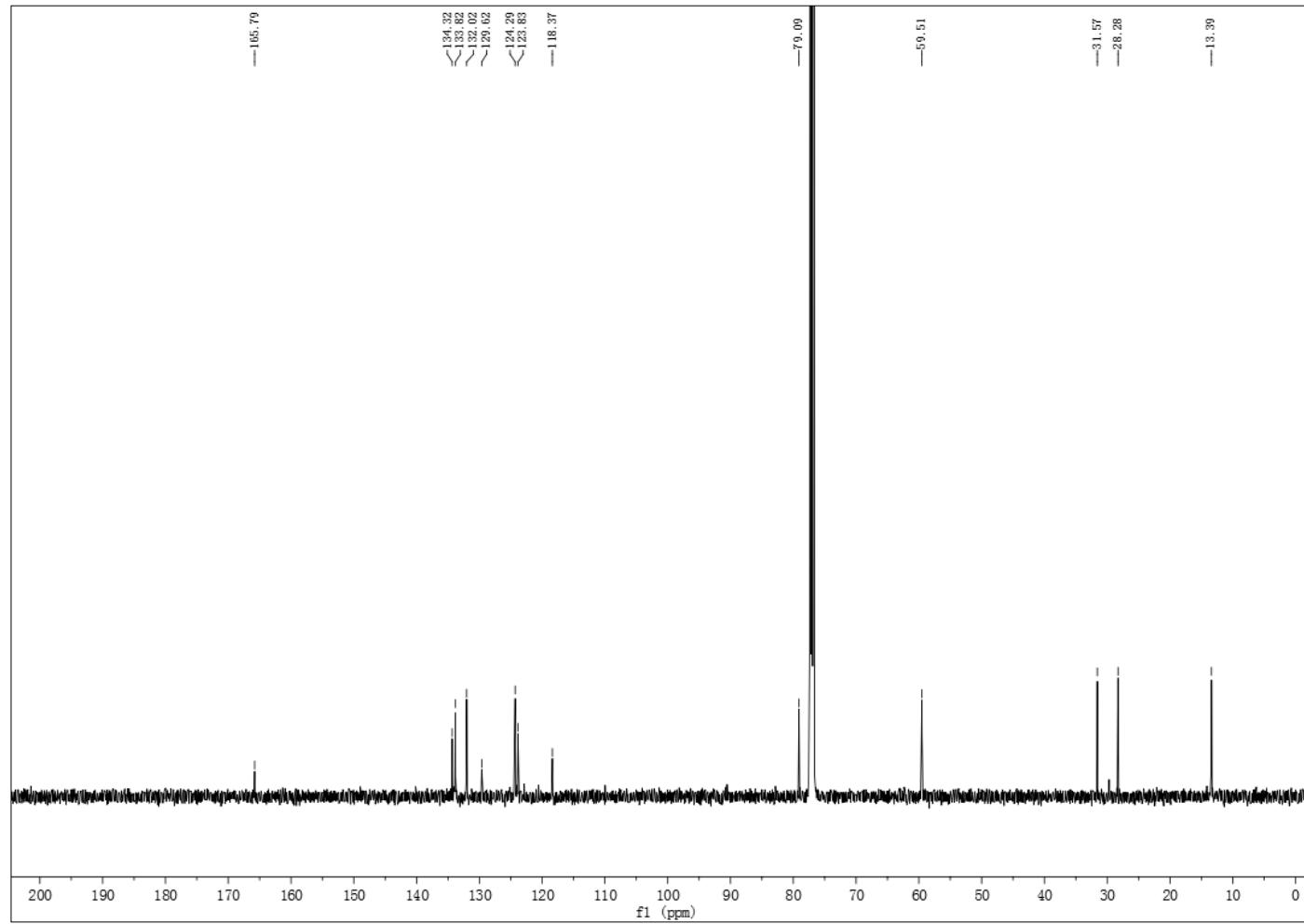






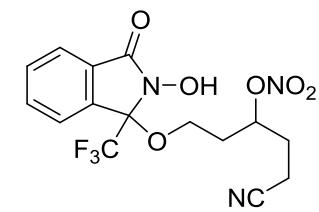
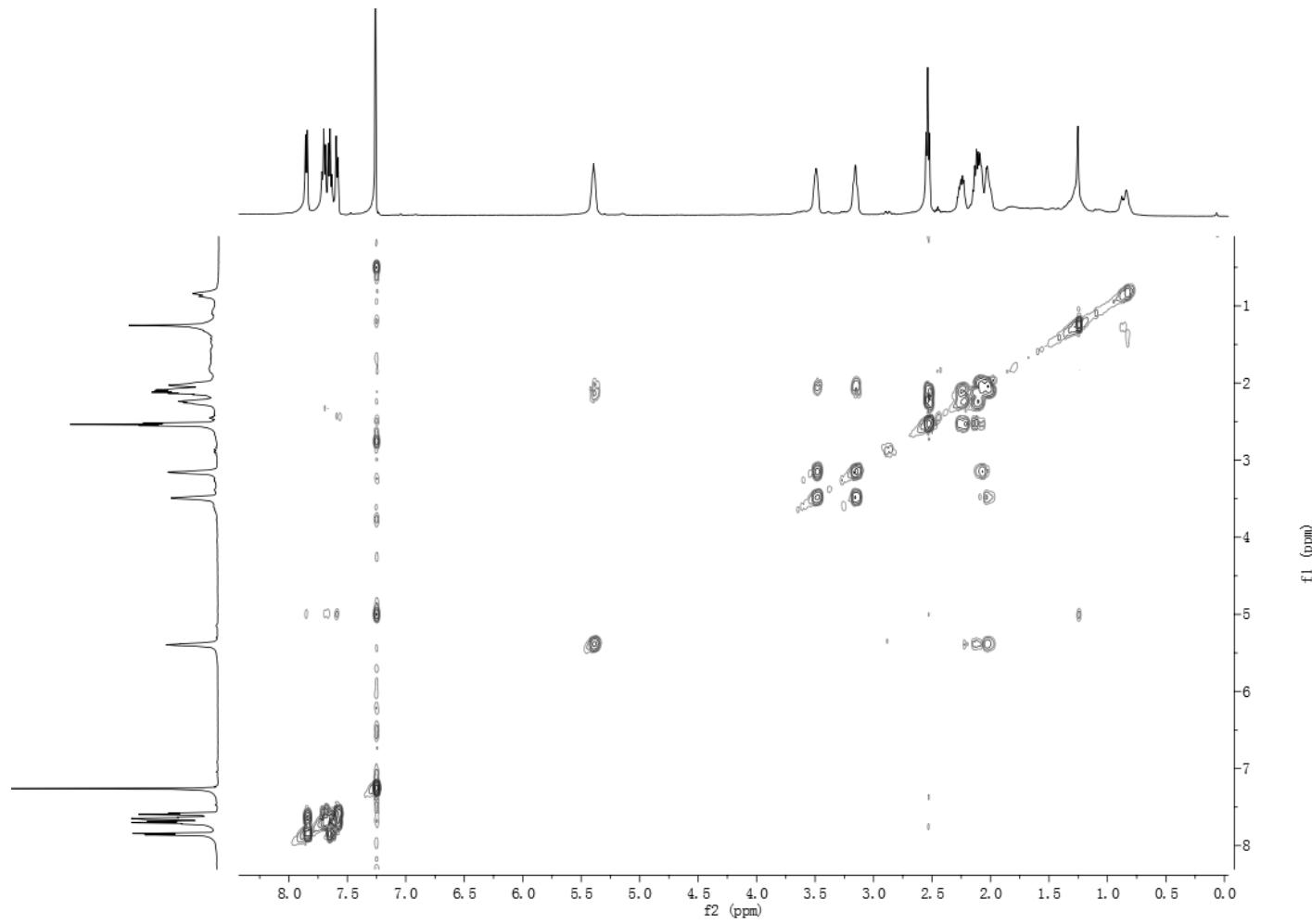
more polar diastereomer
COSY spectrum
(400 MHz, CDCl_3)



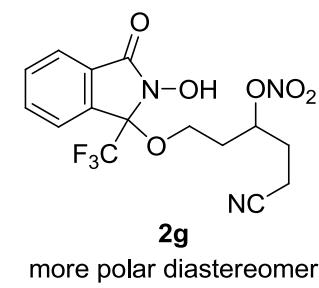
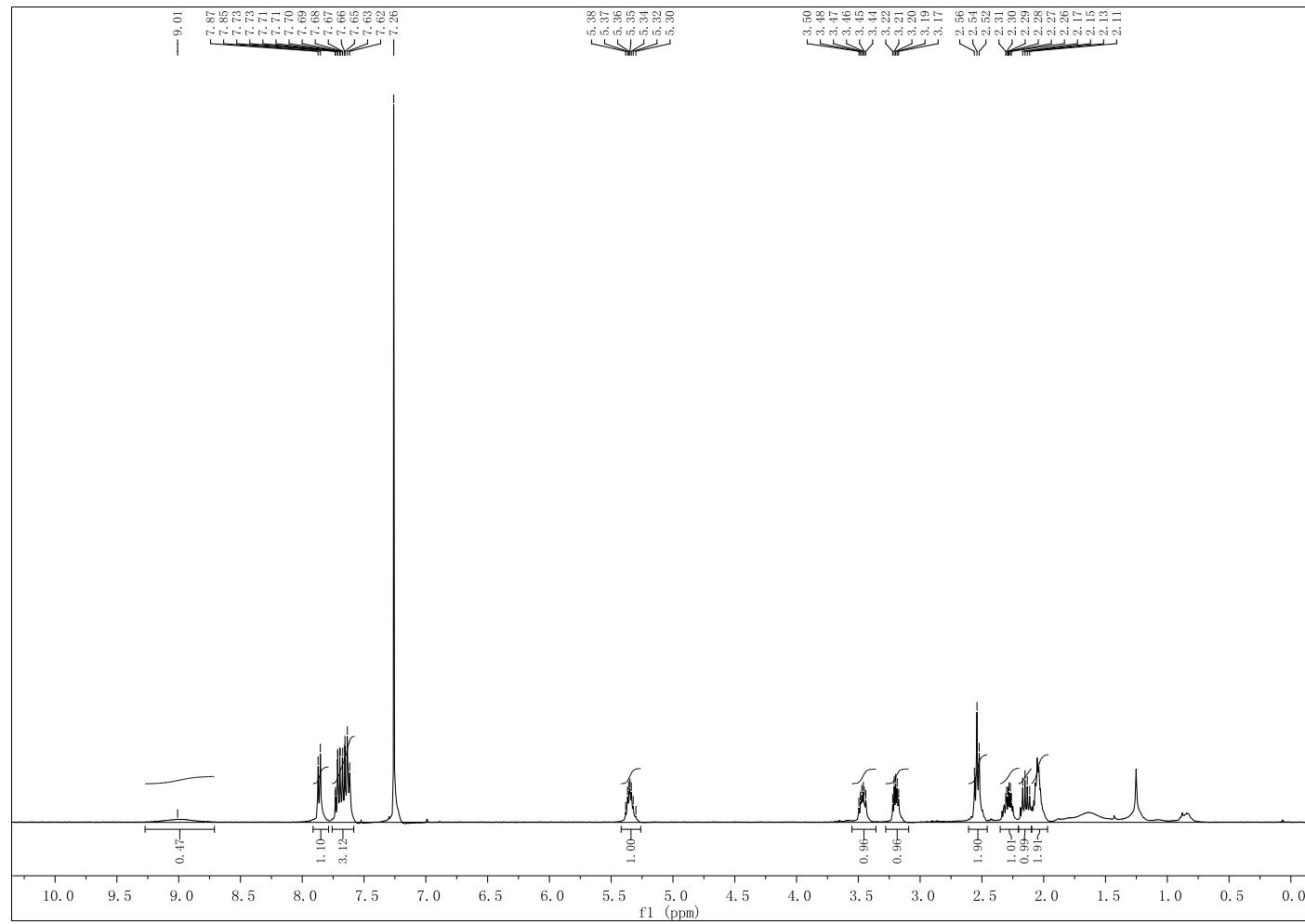


2g
less polar diastereomer

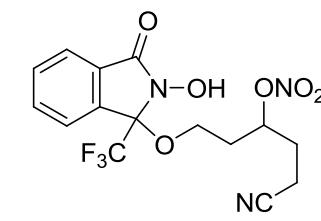
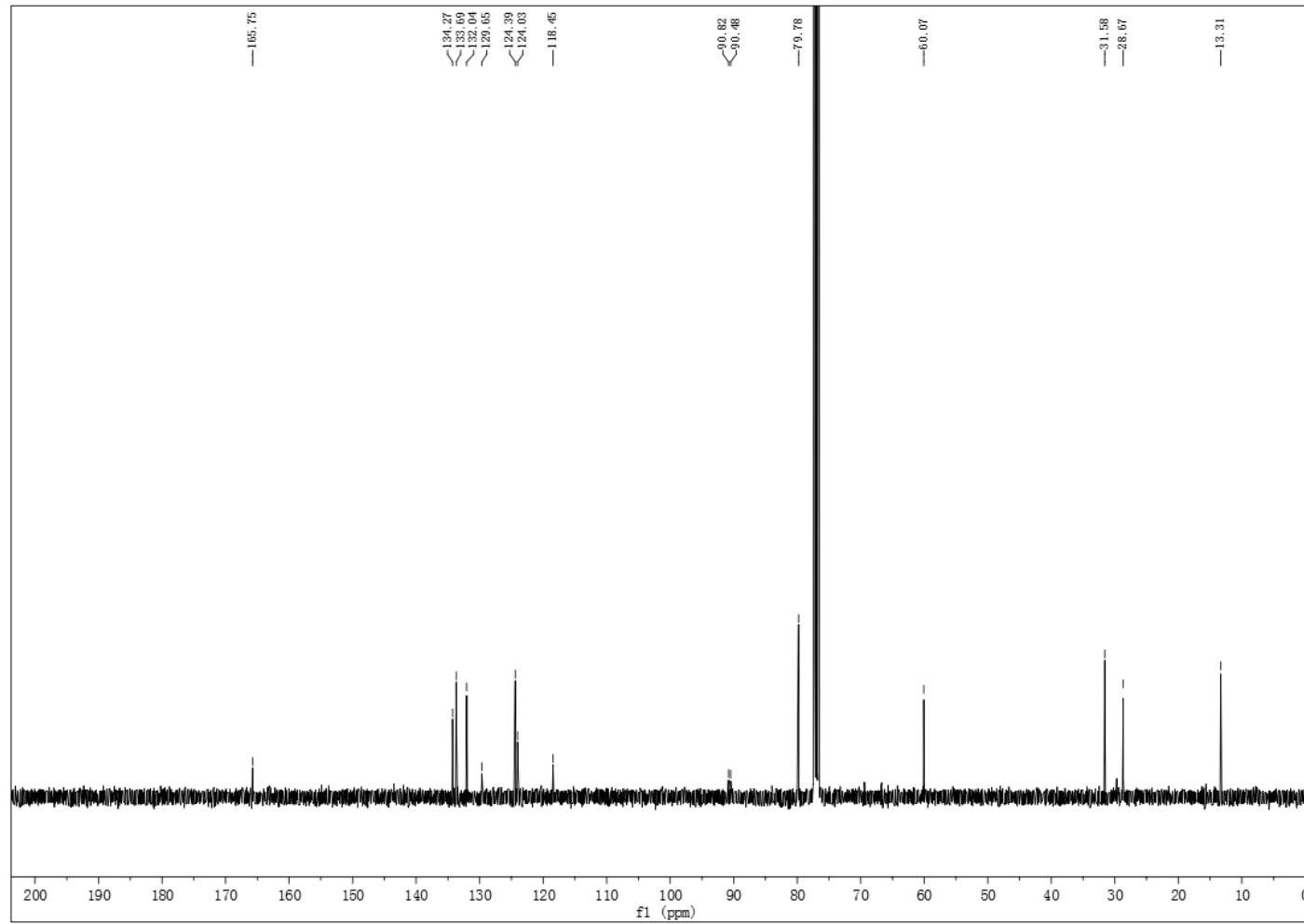
¹³C NMR spectrum
(125 MHz, CDCl₃)



2g
less polar diastereomer
COSY spectrum

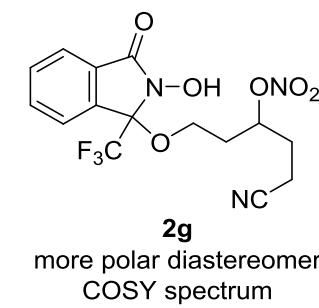
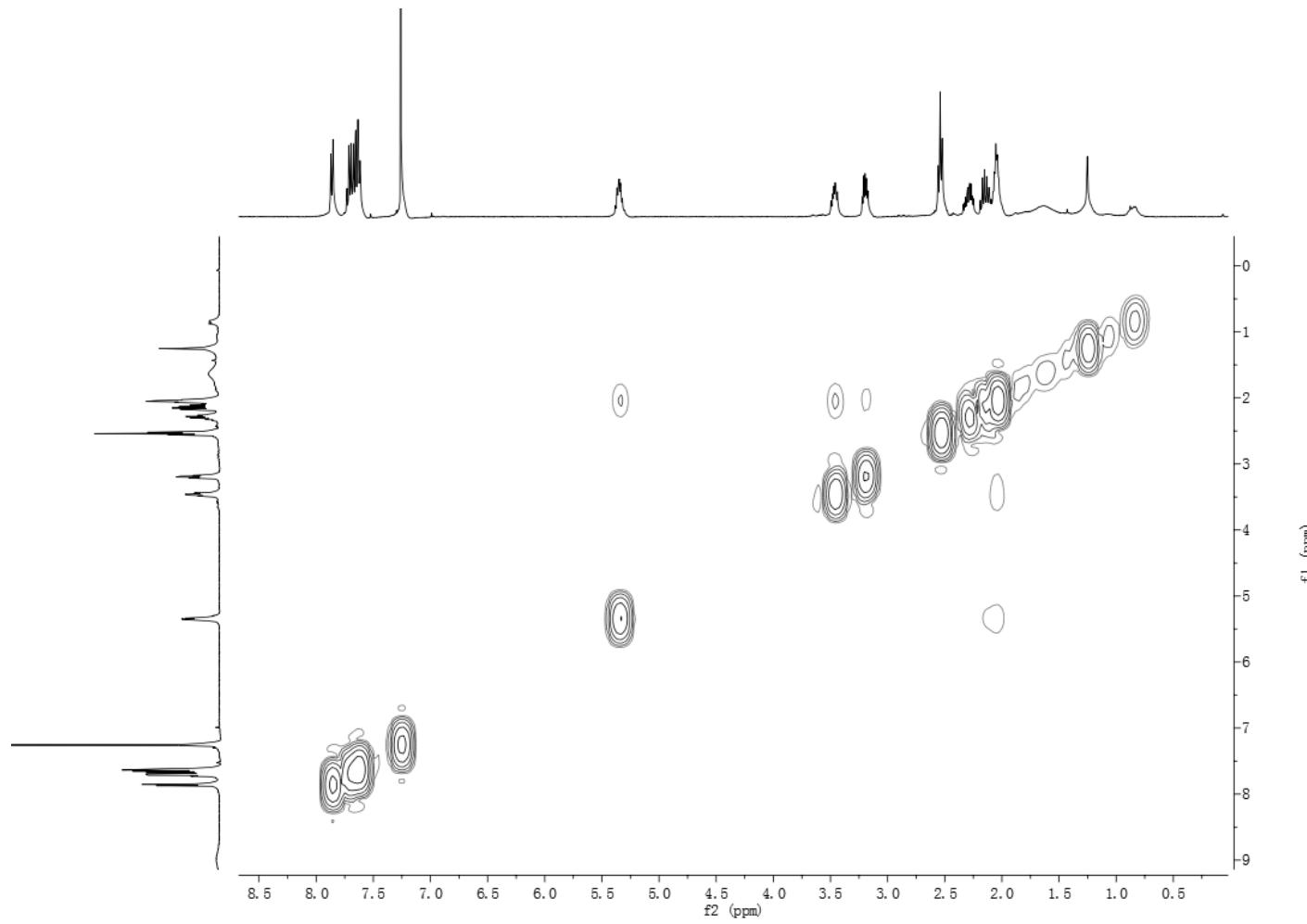


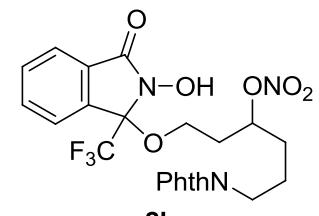
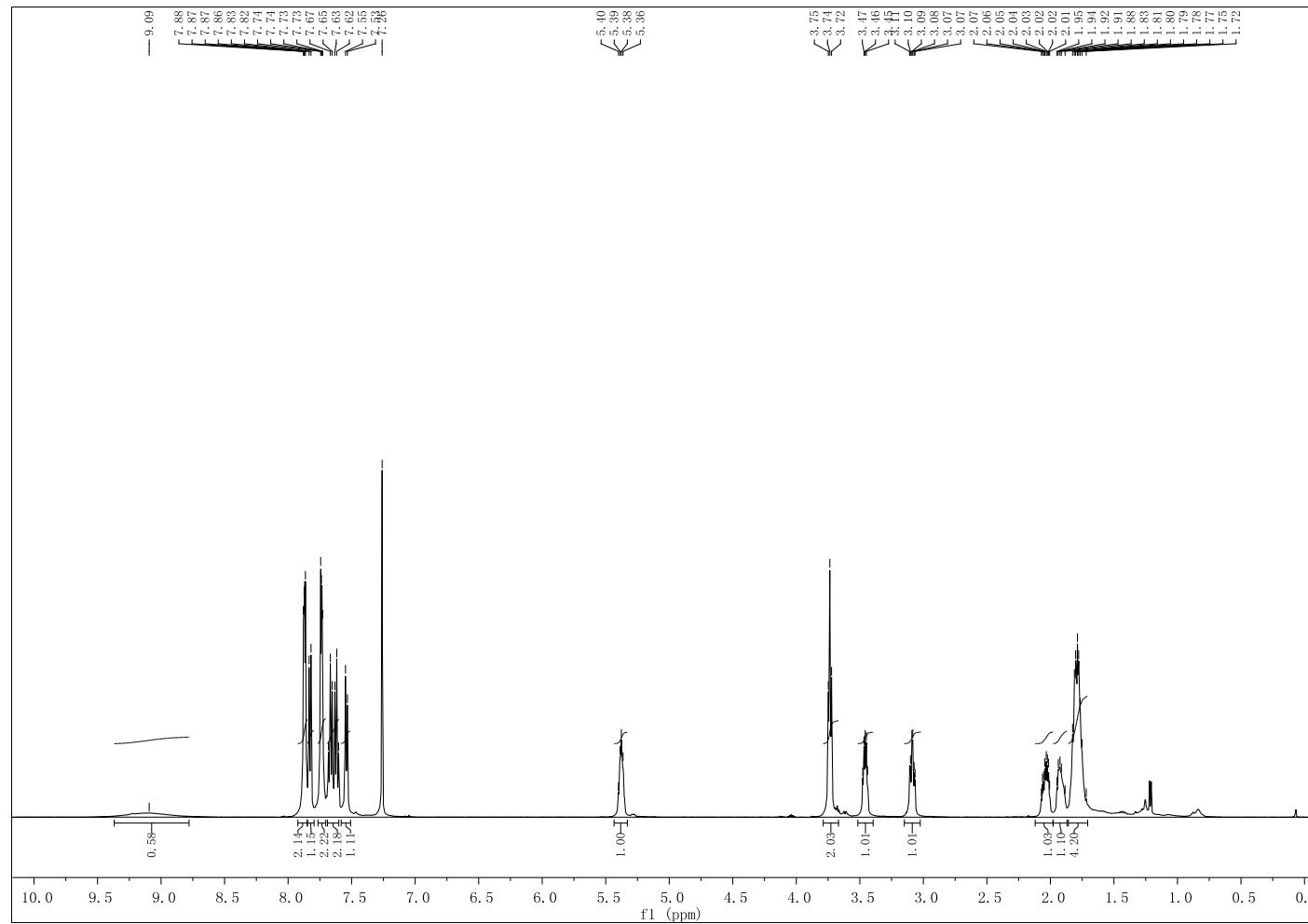
¹H NMR spectrum
(400 MHz, CDCl₃)



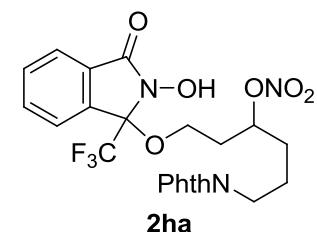
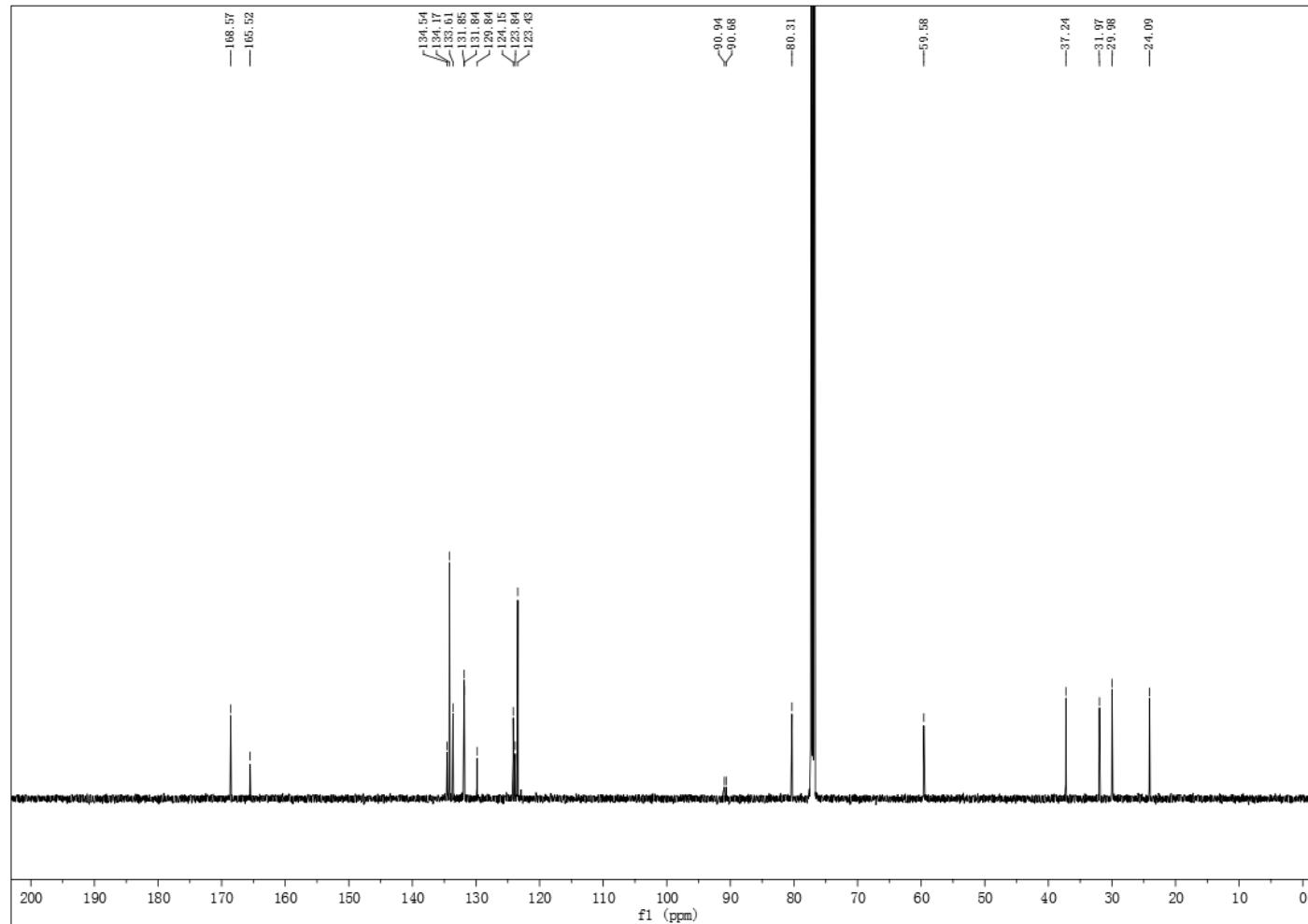
2g
more polar diastereomer

¹³C NMR spectrum
(100 MHz, CDCl₃)

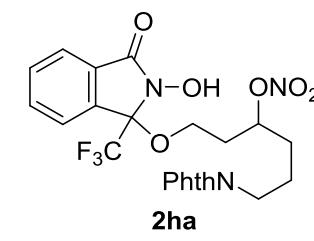
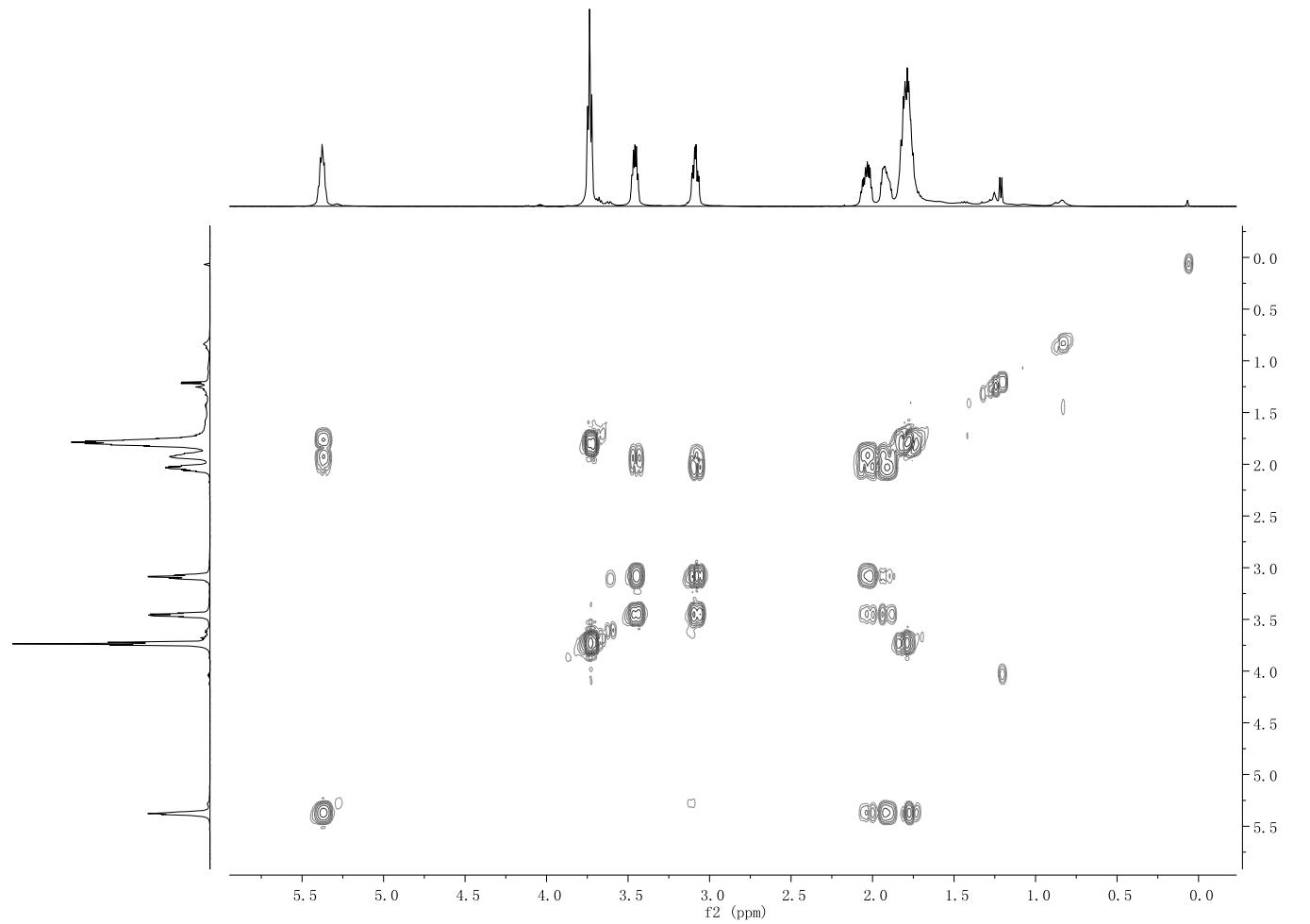




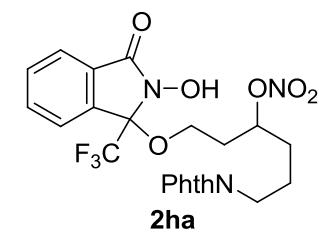
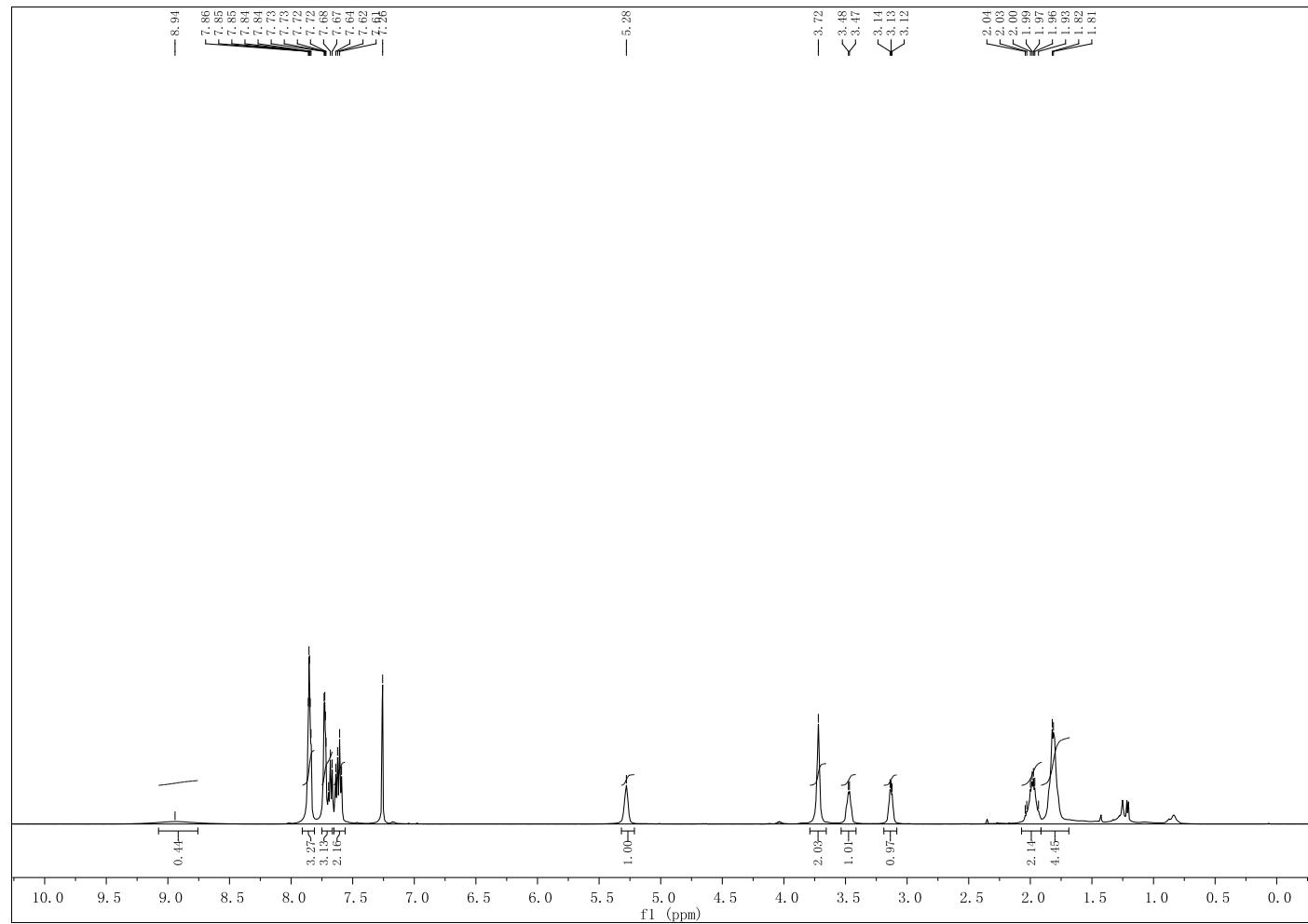
¹H NMR spectrum
 (500 MHz, CDCl₃)



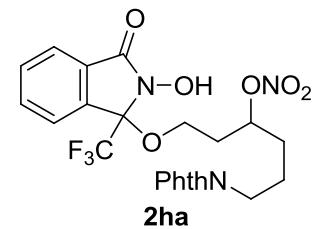
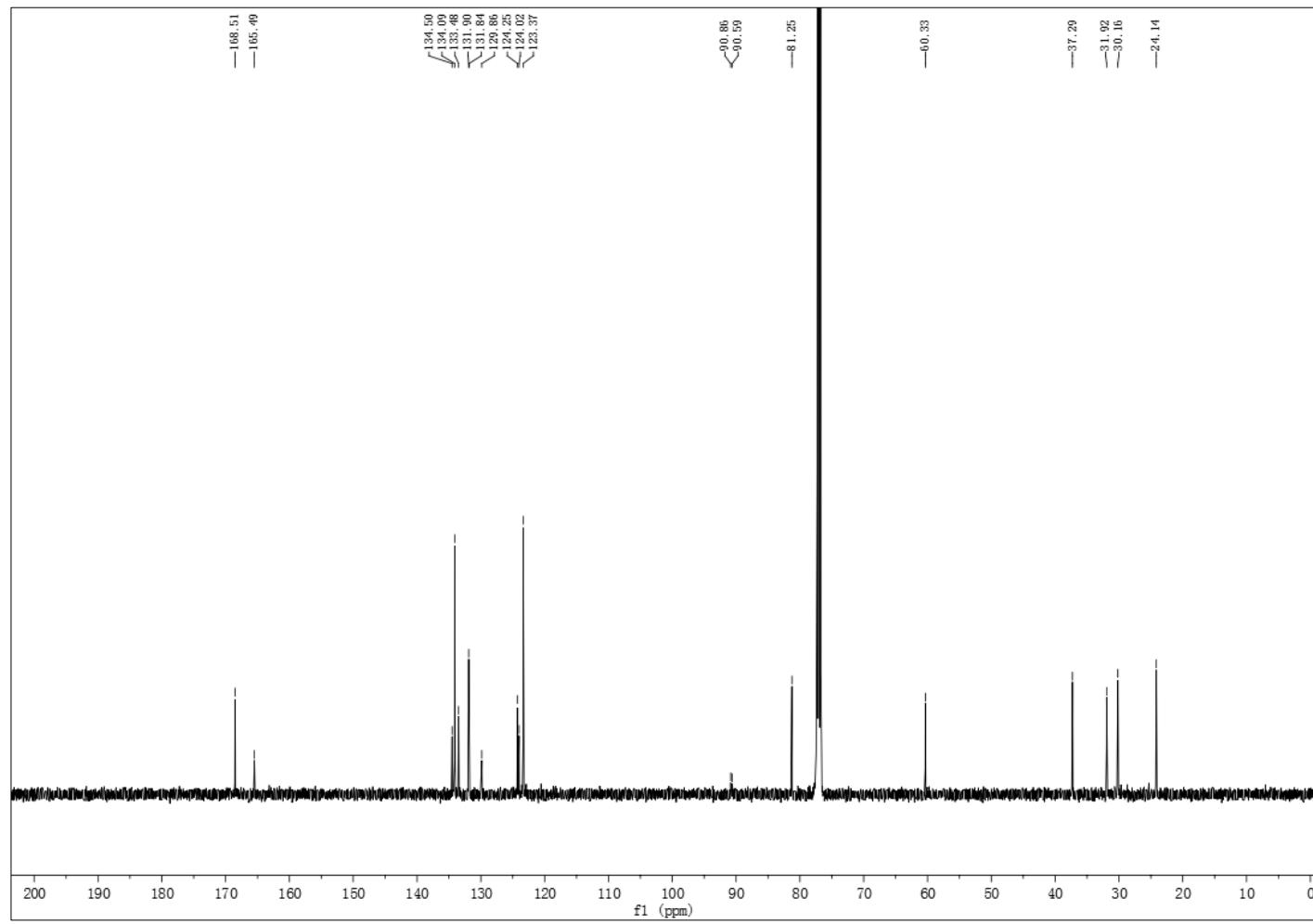
less polar diastereomer

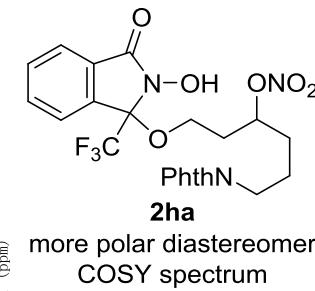
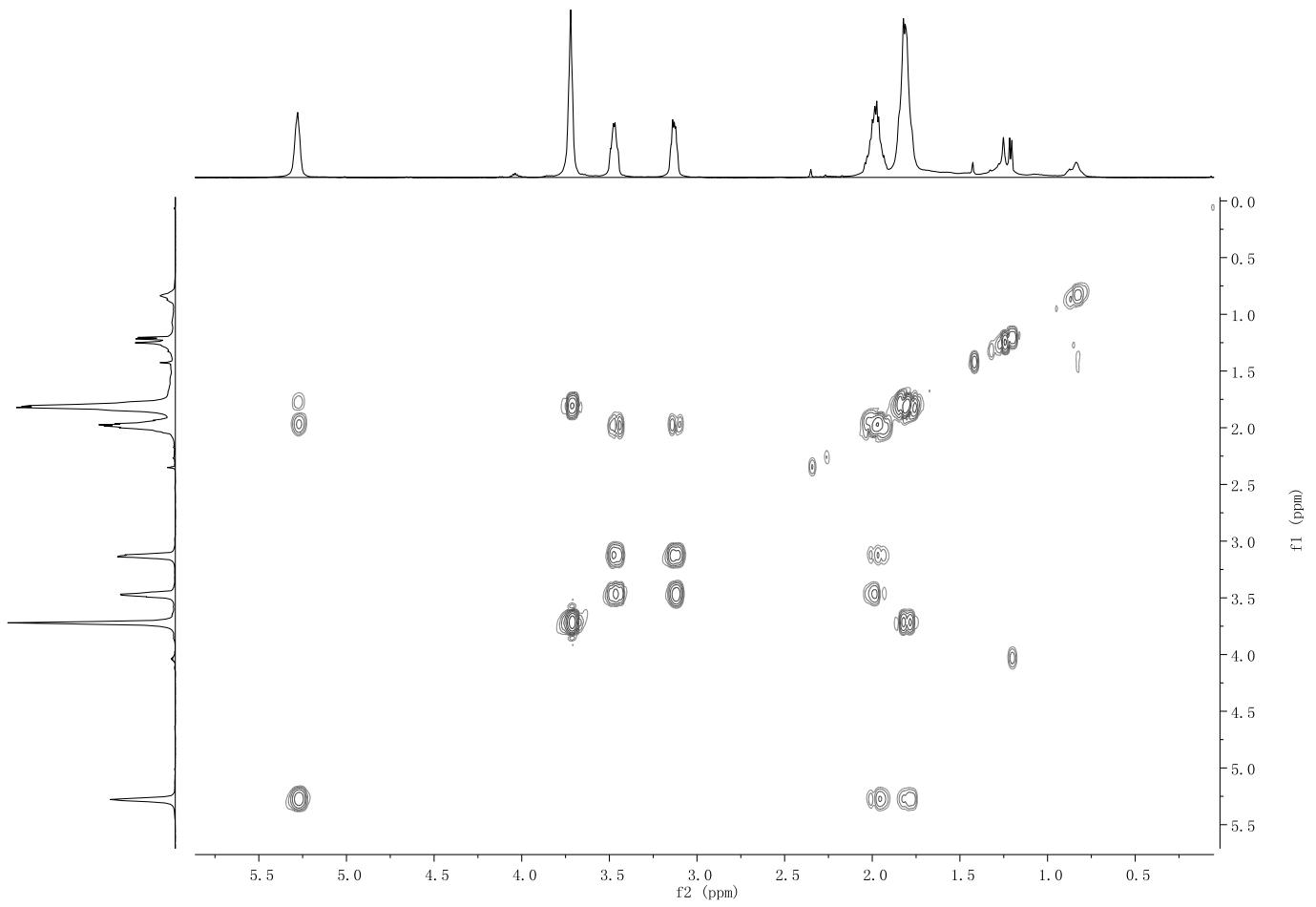


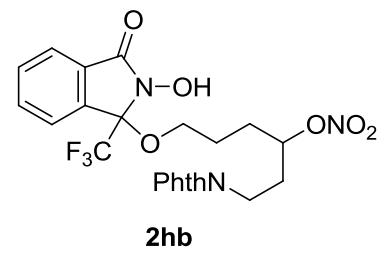
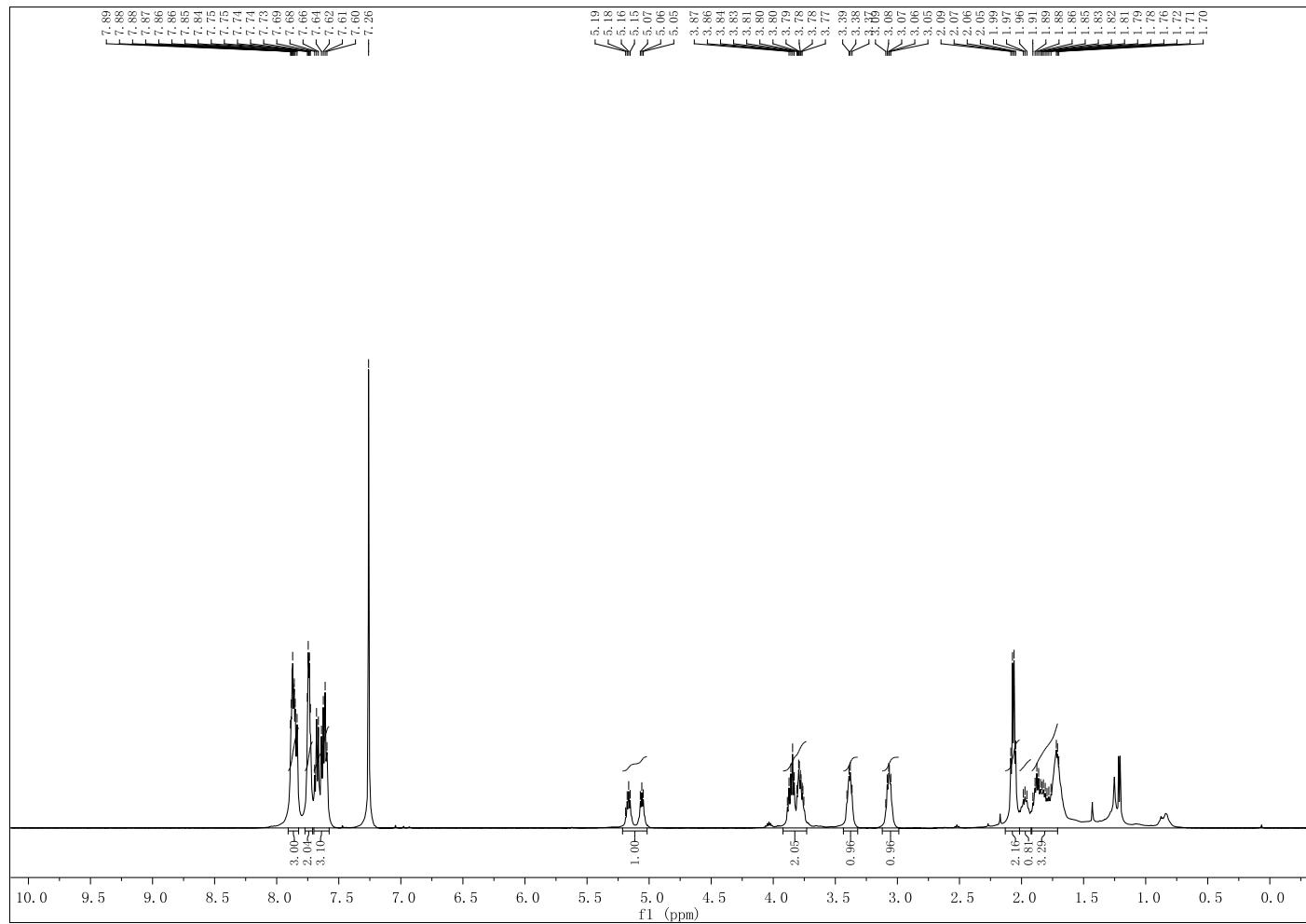
less polar diastereomer
COSY spectrum



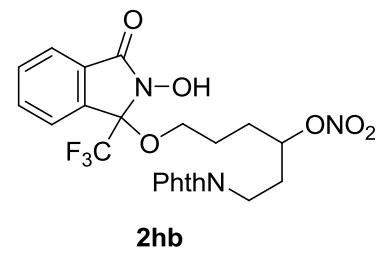
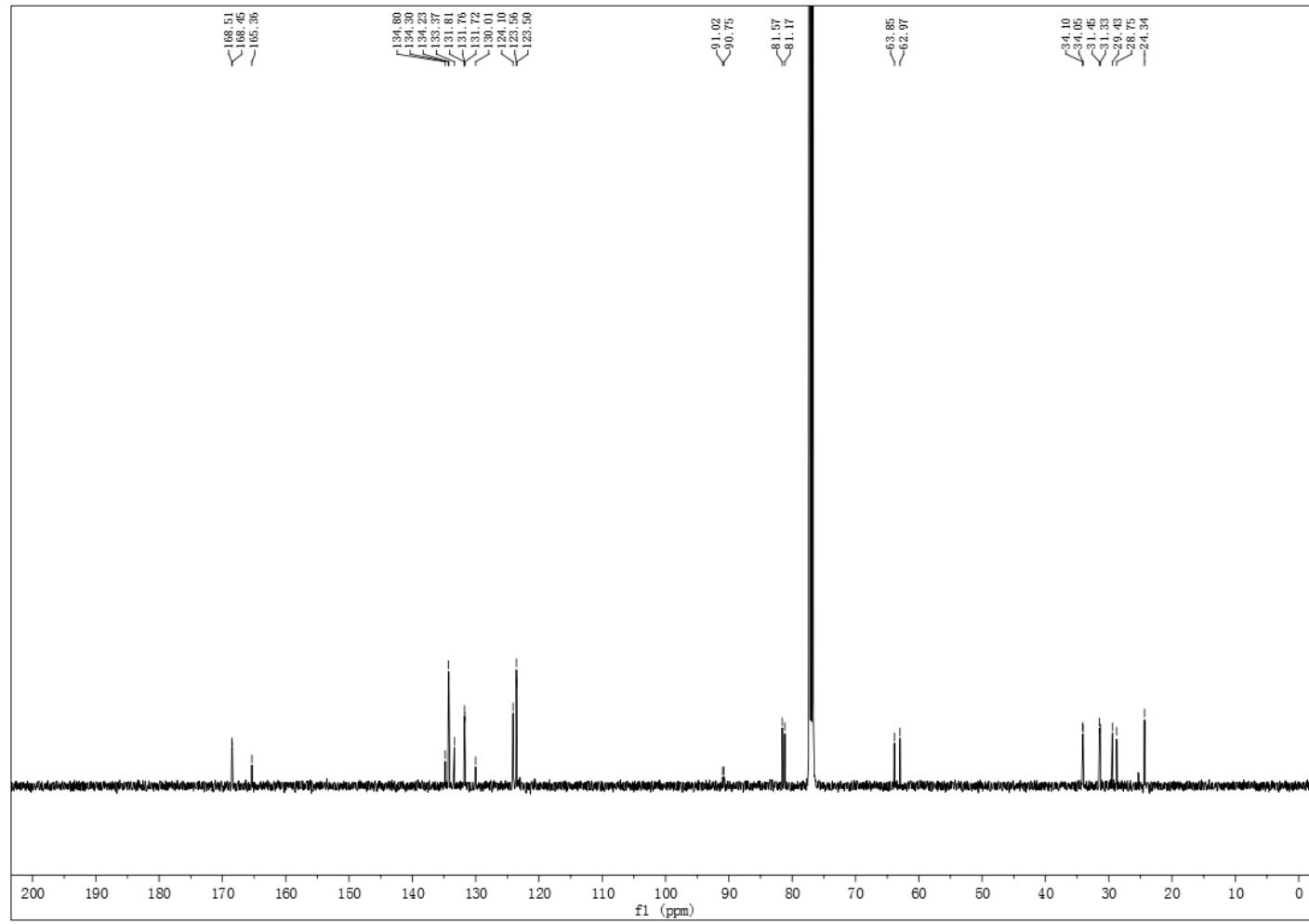
¹H NMR spectrum
(500 MHz, CDCl₃)

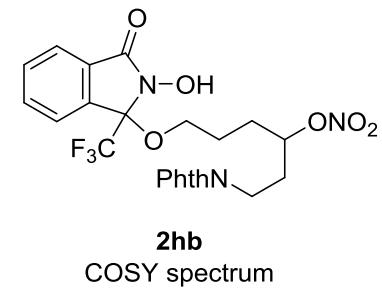
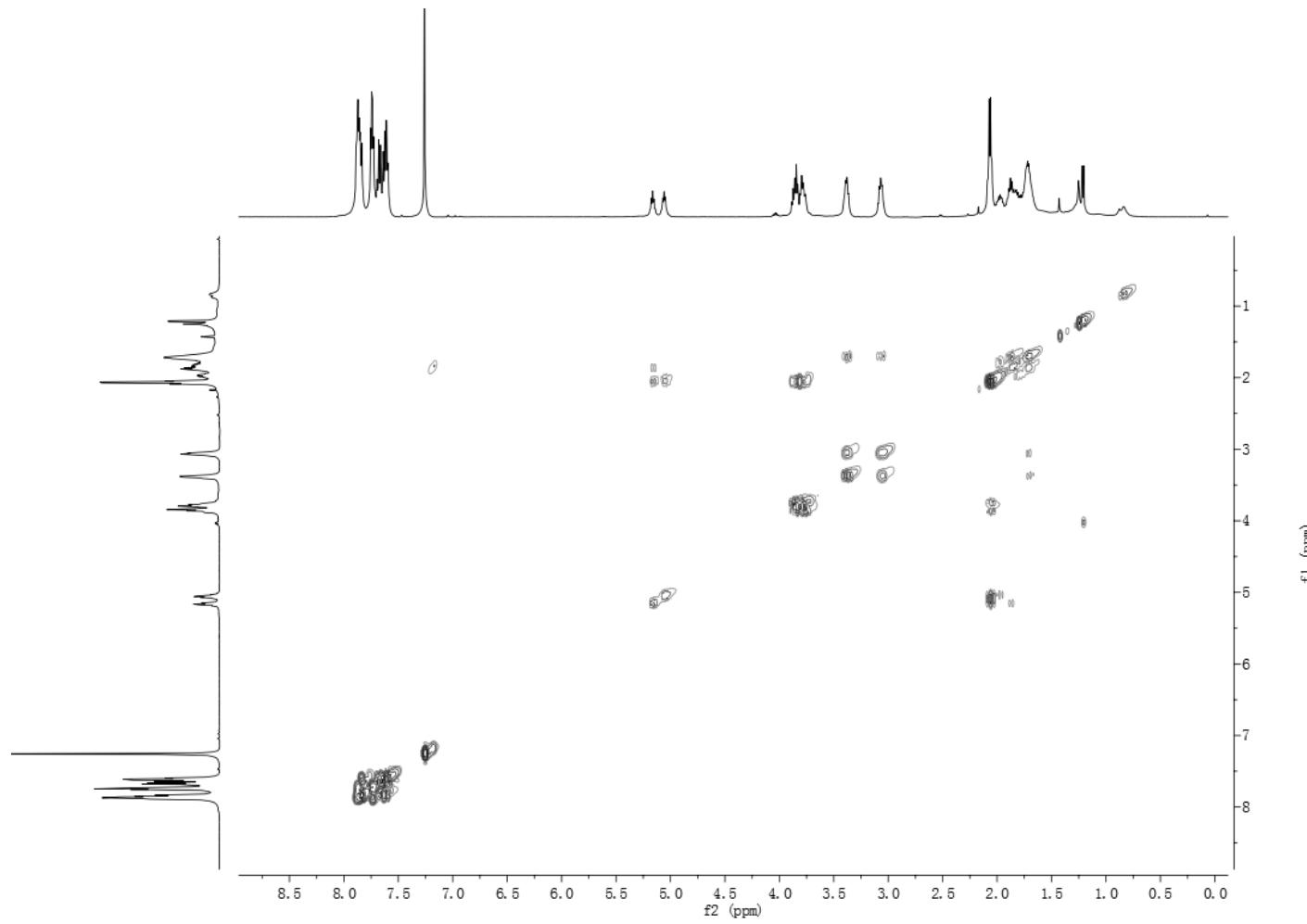


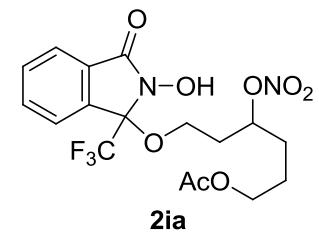
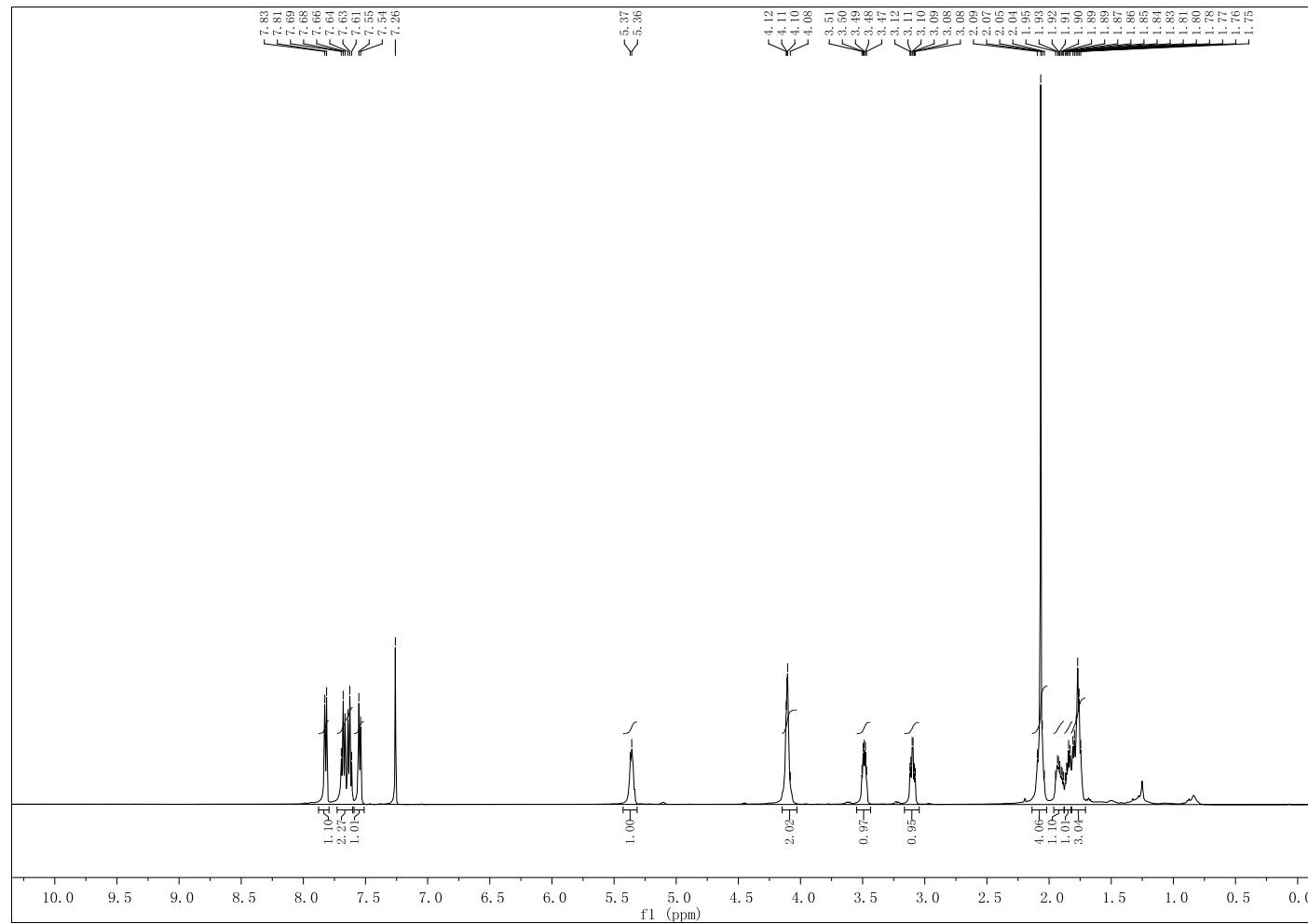




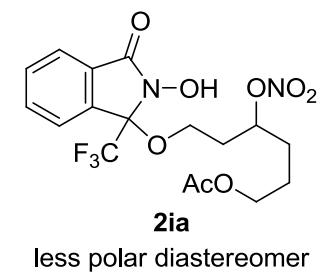
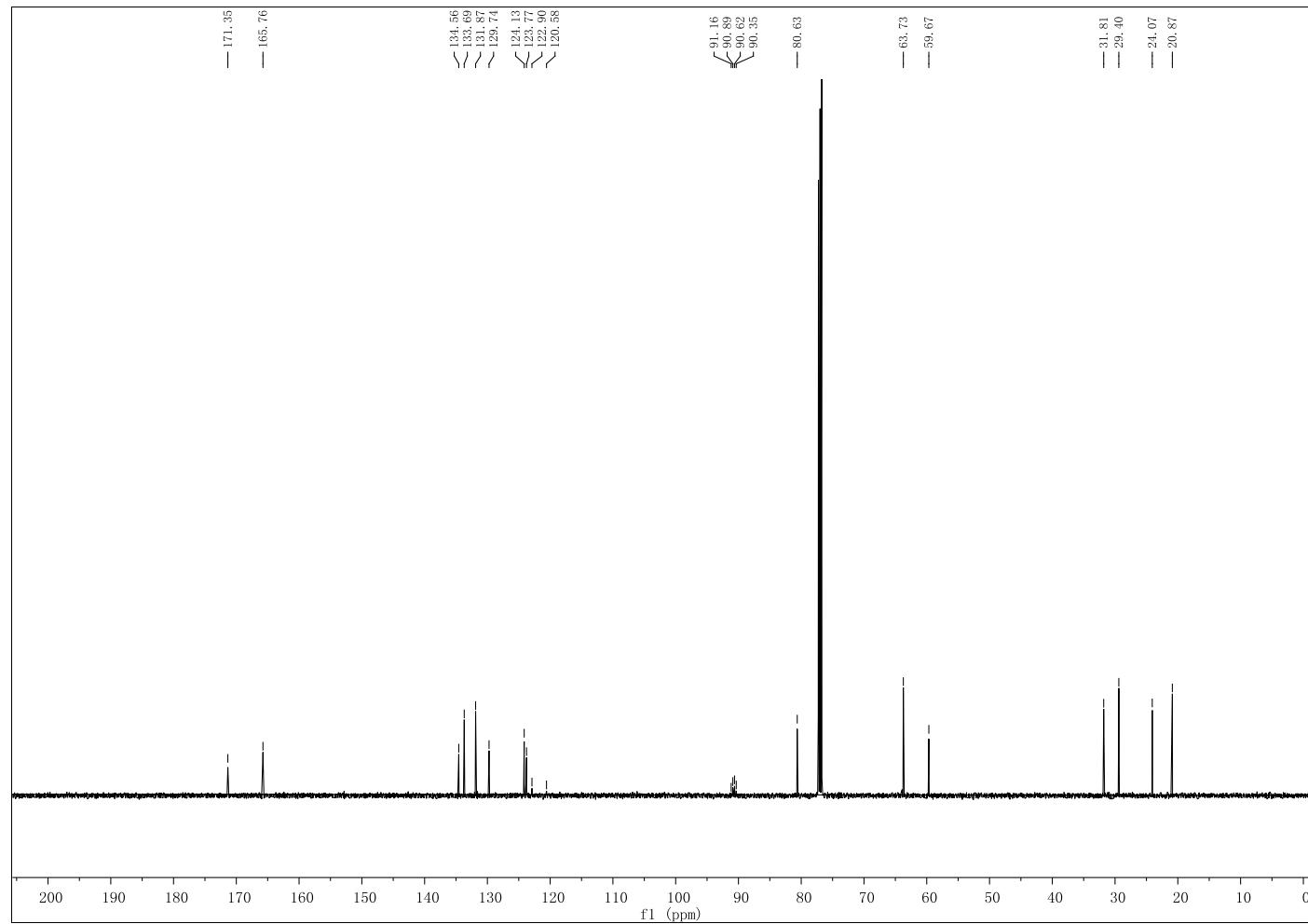
¹H NMR spectrum
(500 MHz, CDCl₃)

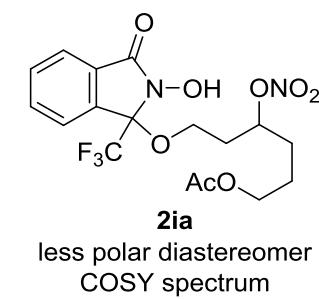
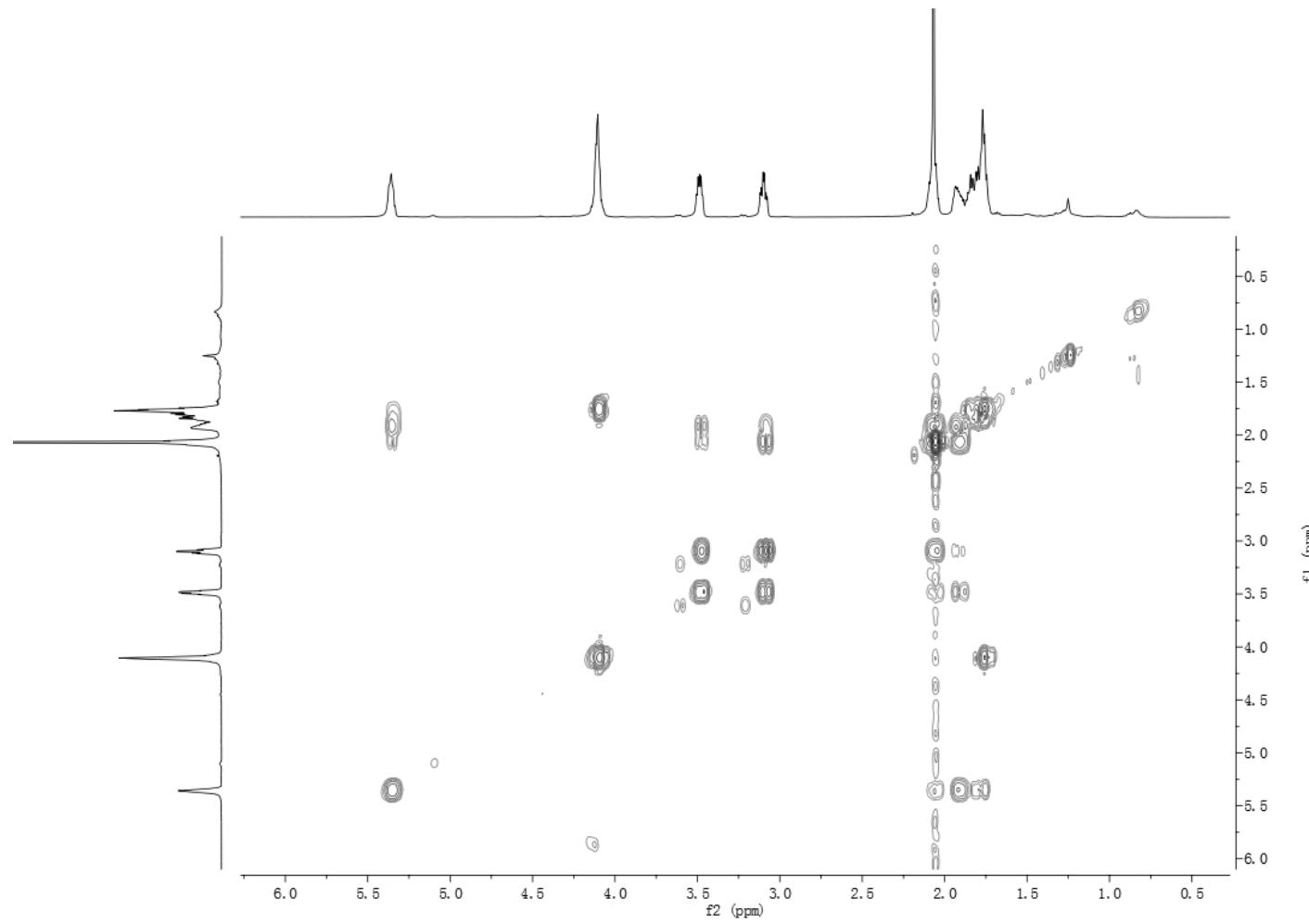


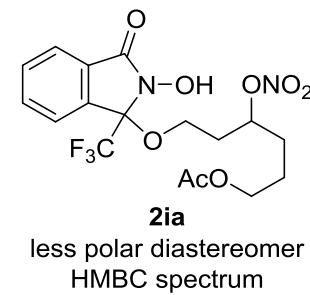
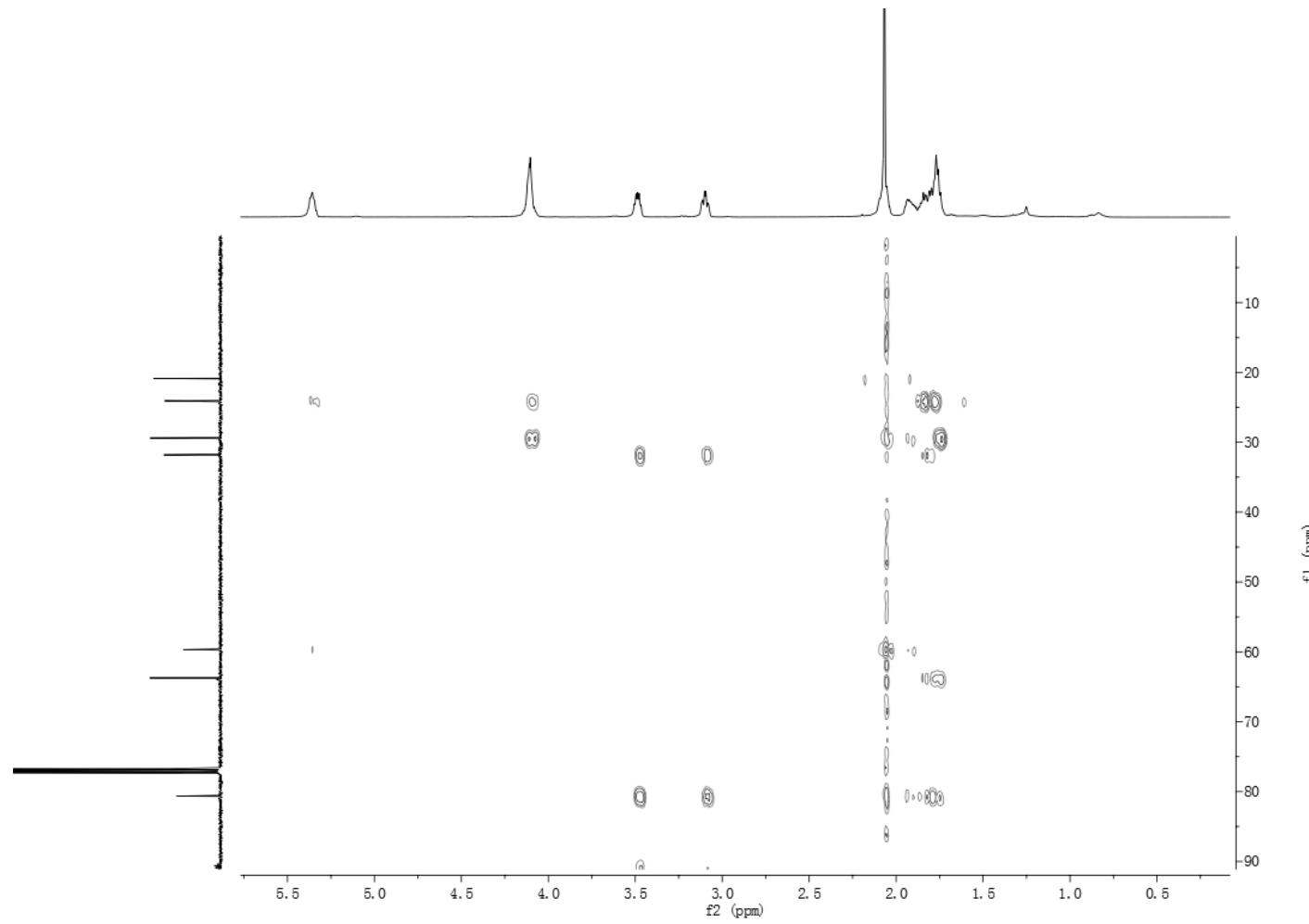


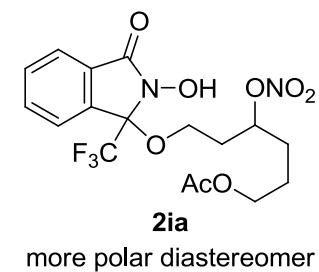
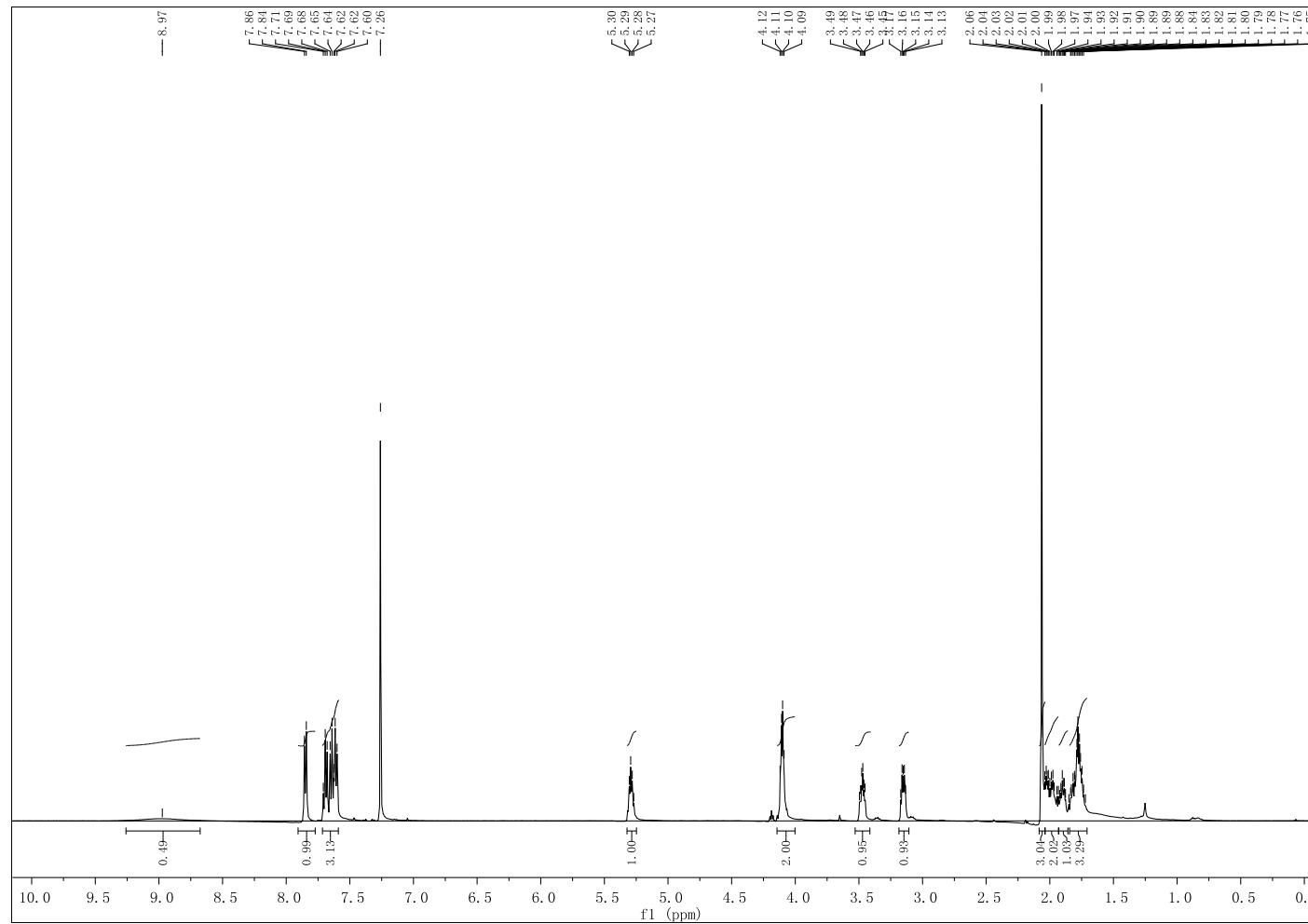


^1H NMR spectrum
(500 MHz, CDCl_3)

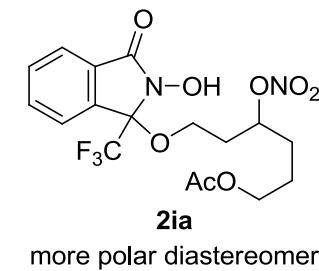
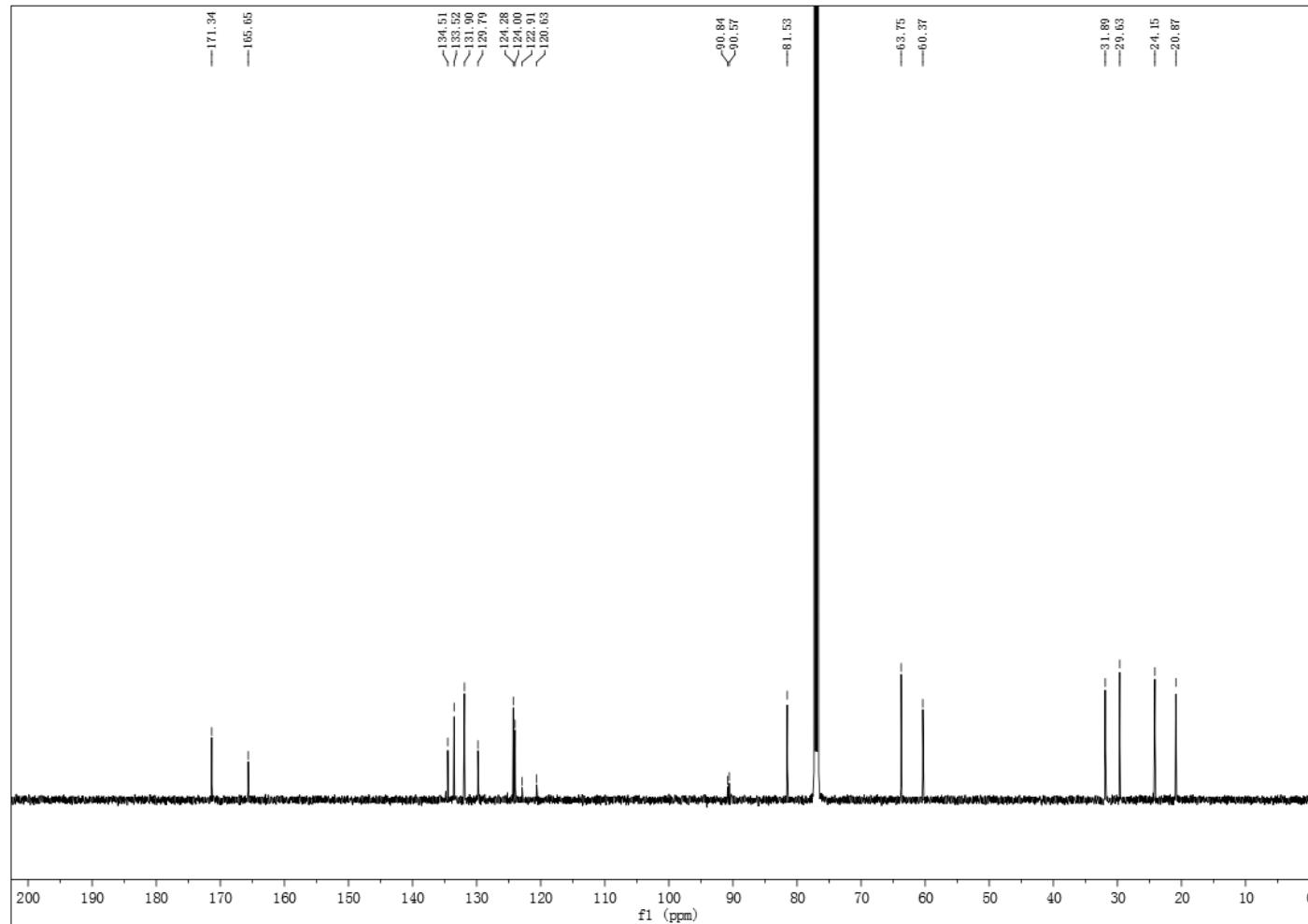


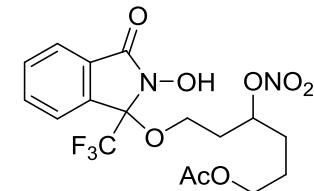
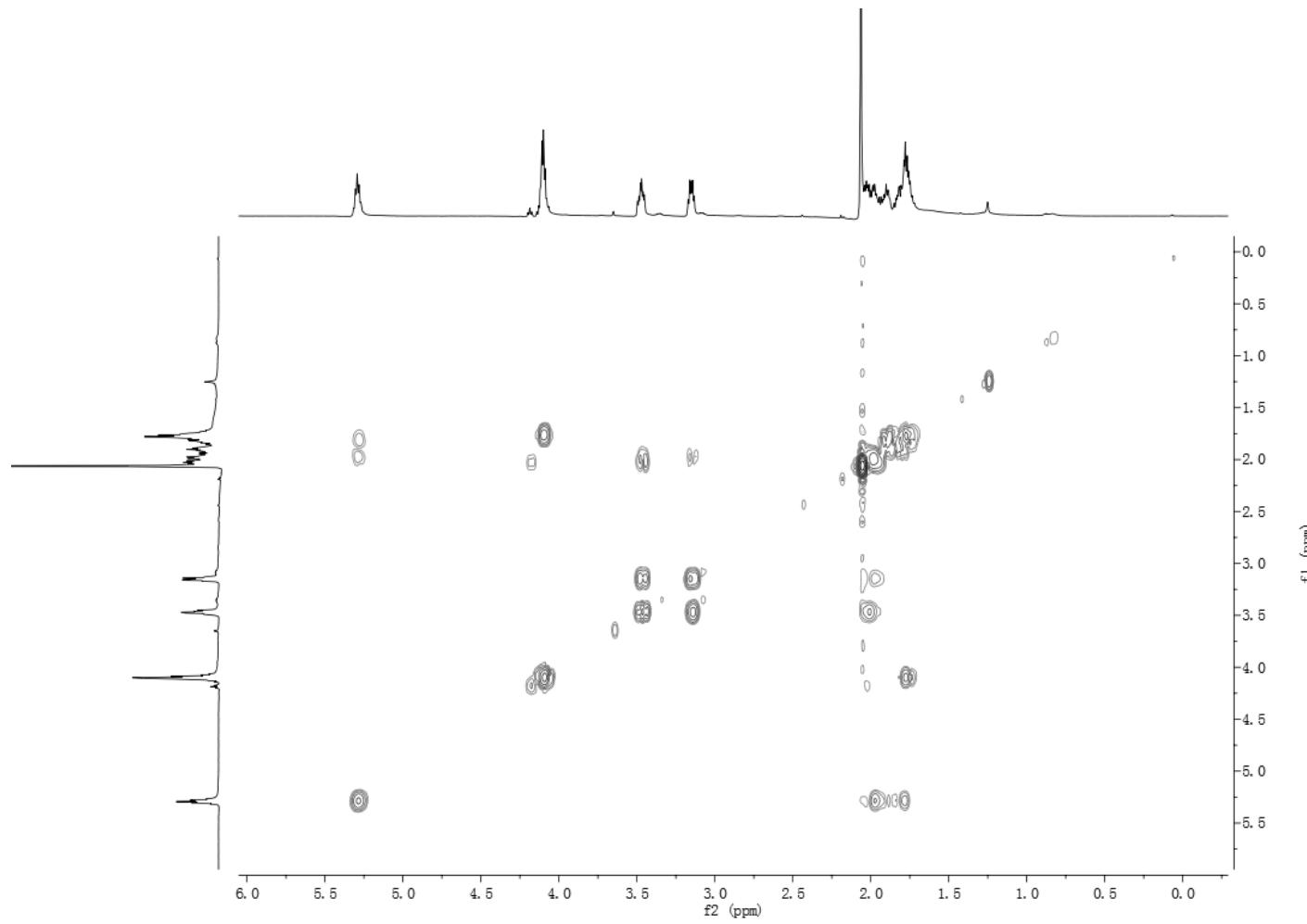




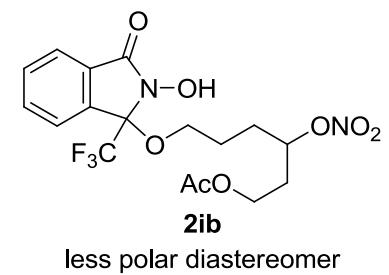
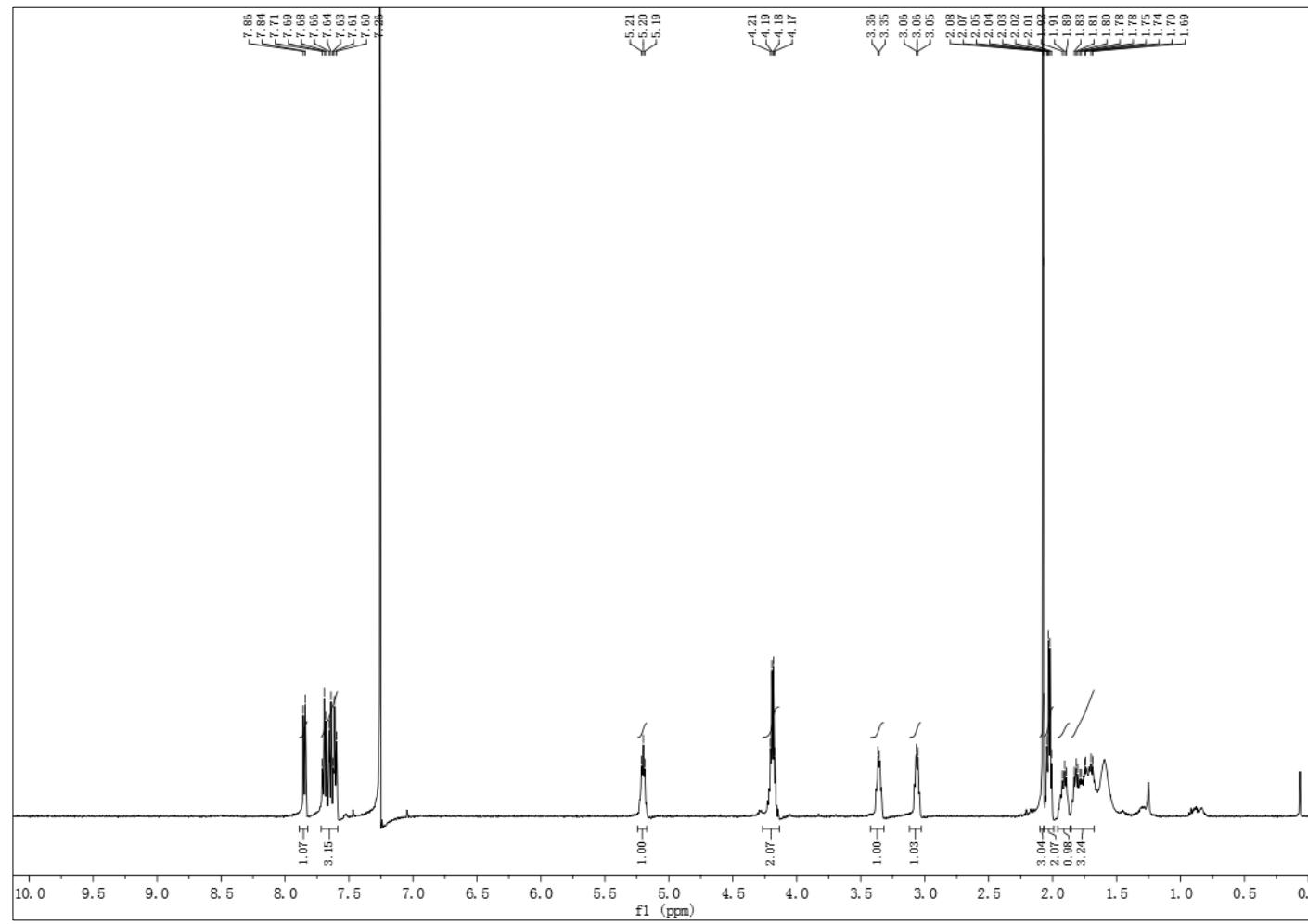


¹H NMR spectrum
(500 MHz, CDCl₃)

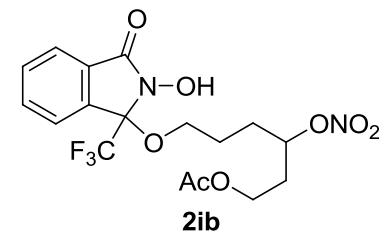
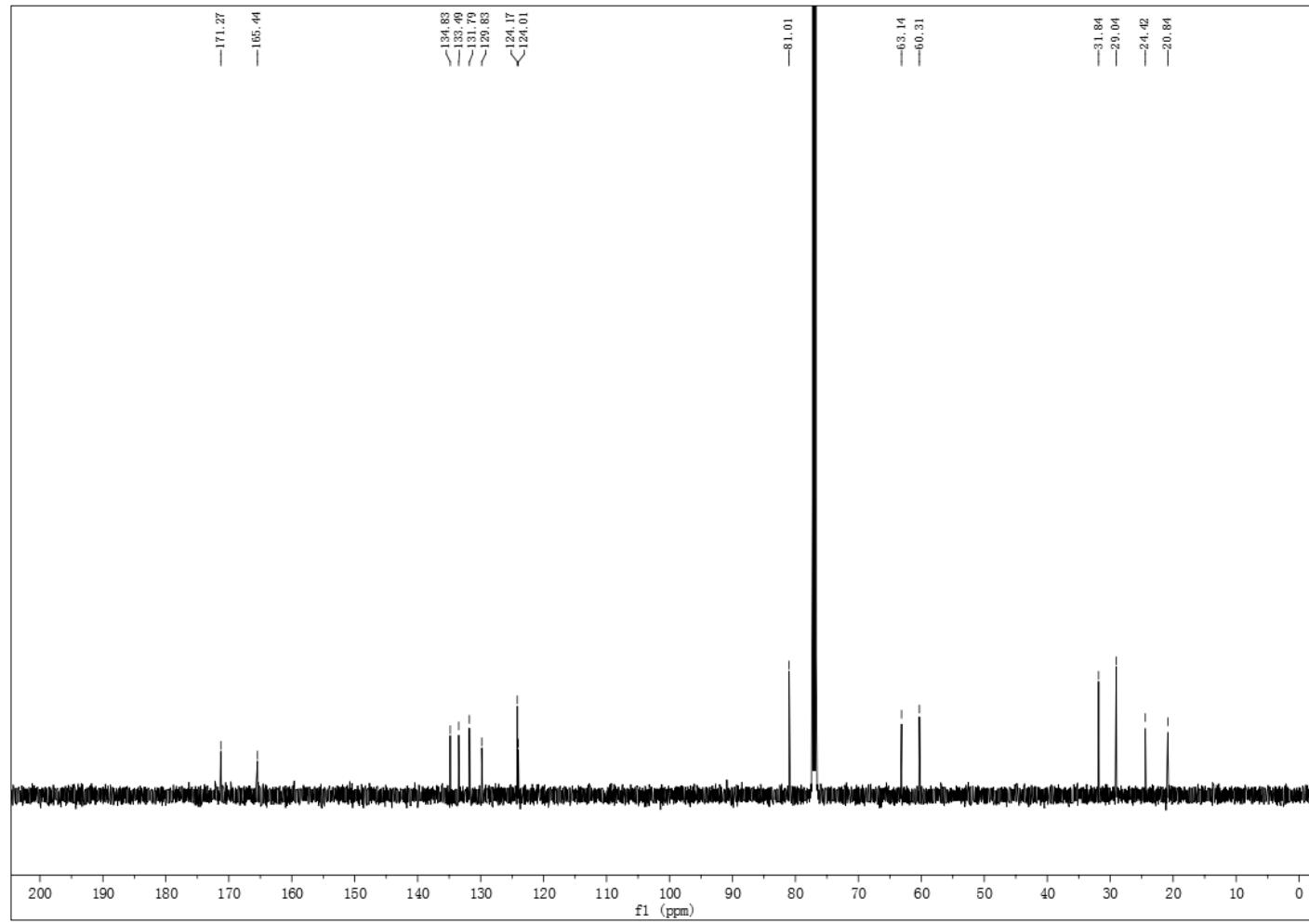




2ia
more polar diastereomer
COSY spectrum

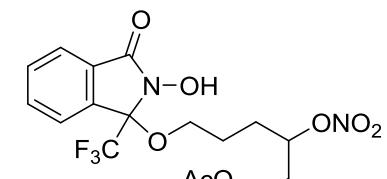
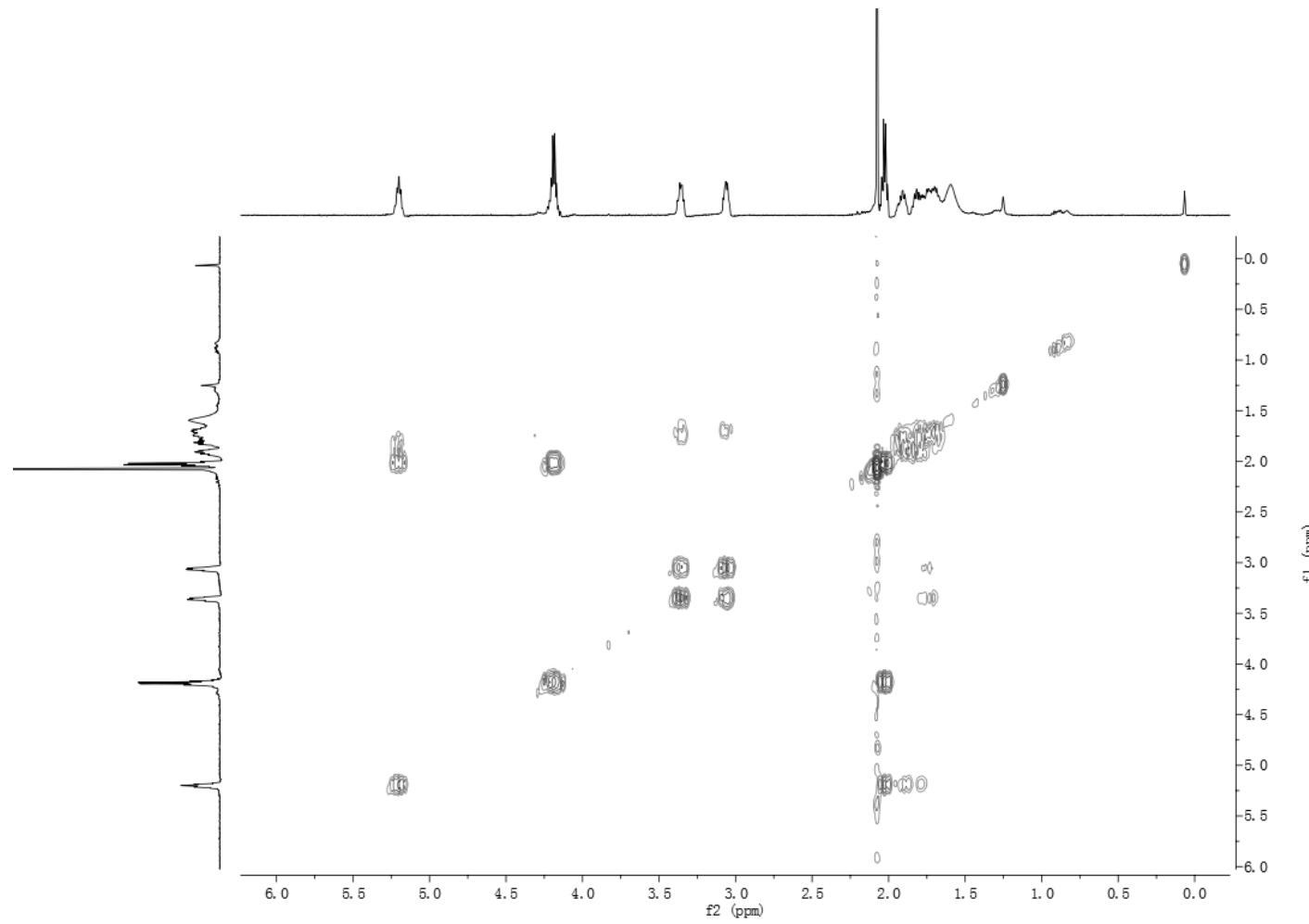


¹H NMR spectrum
(500 MHz, CDCl₃)

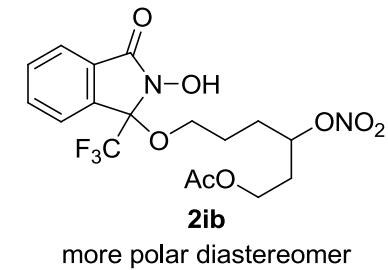
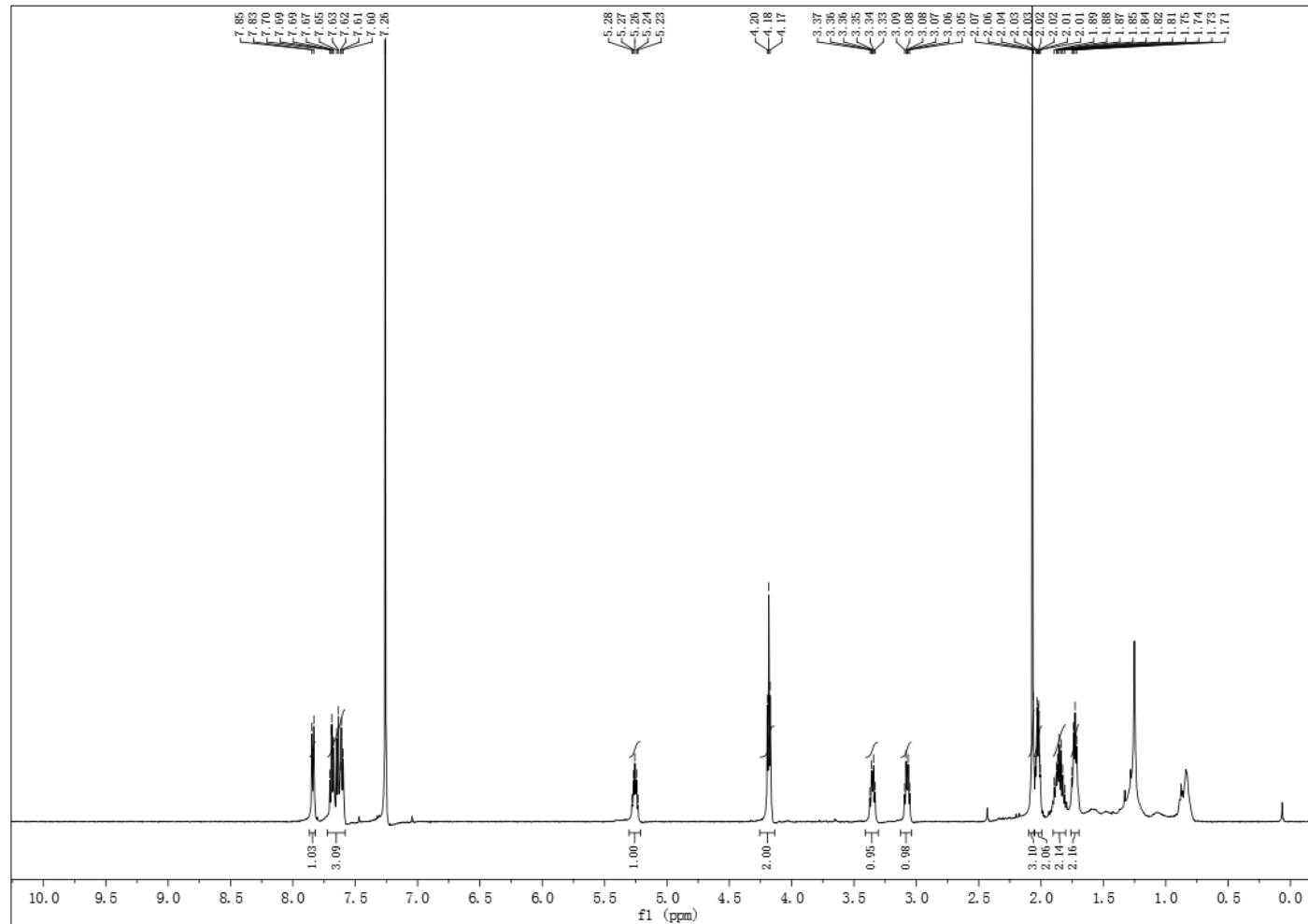


less polar diastereomer

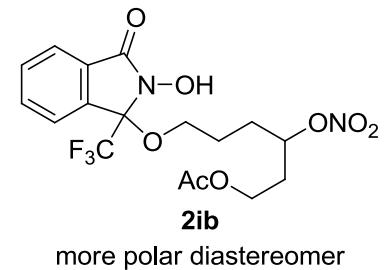
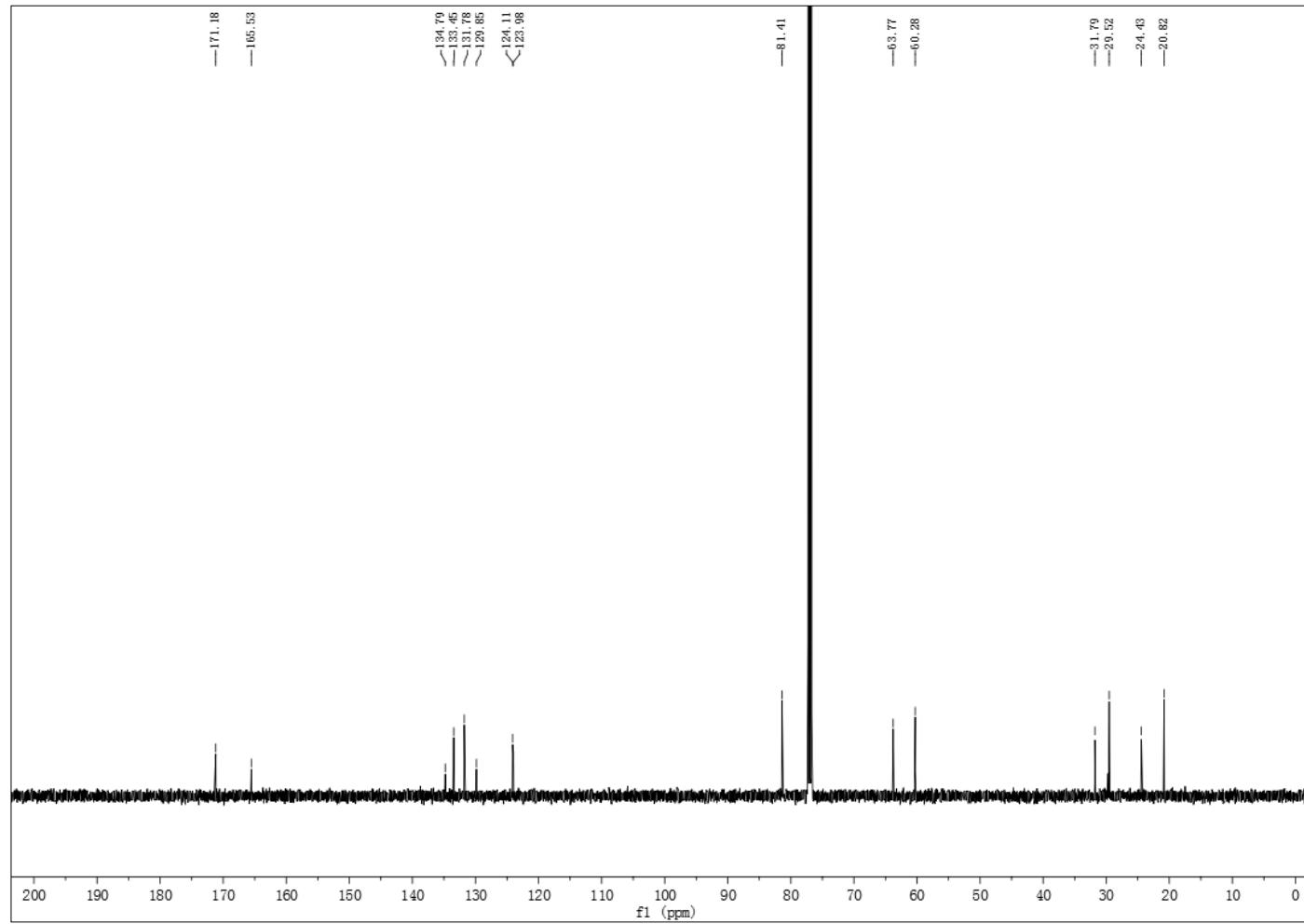
¹³C NMR spectrum
(125 MHz, CDCl₃)



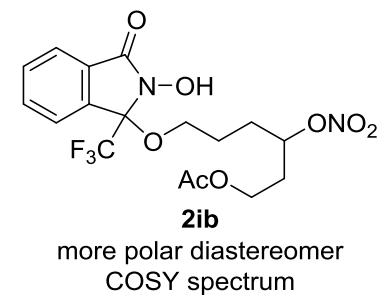
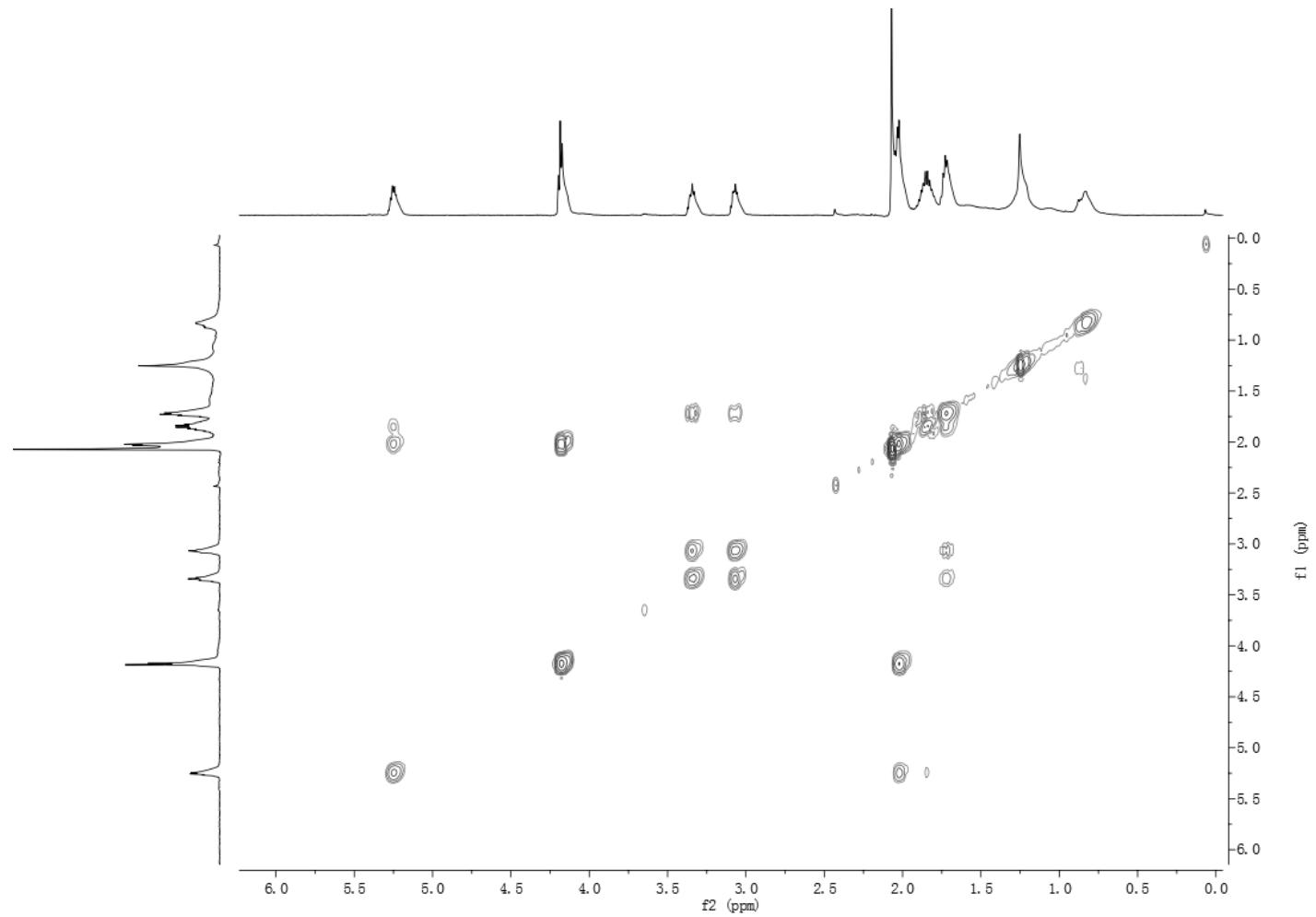
2ib
less polar diastereomer
COSY spectrum

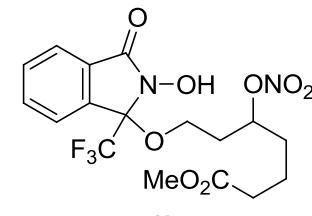
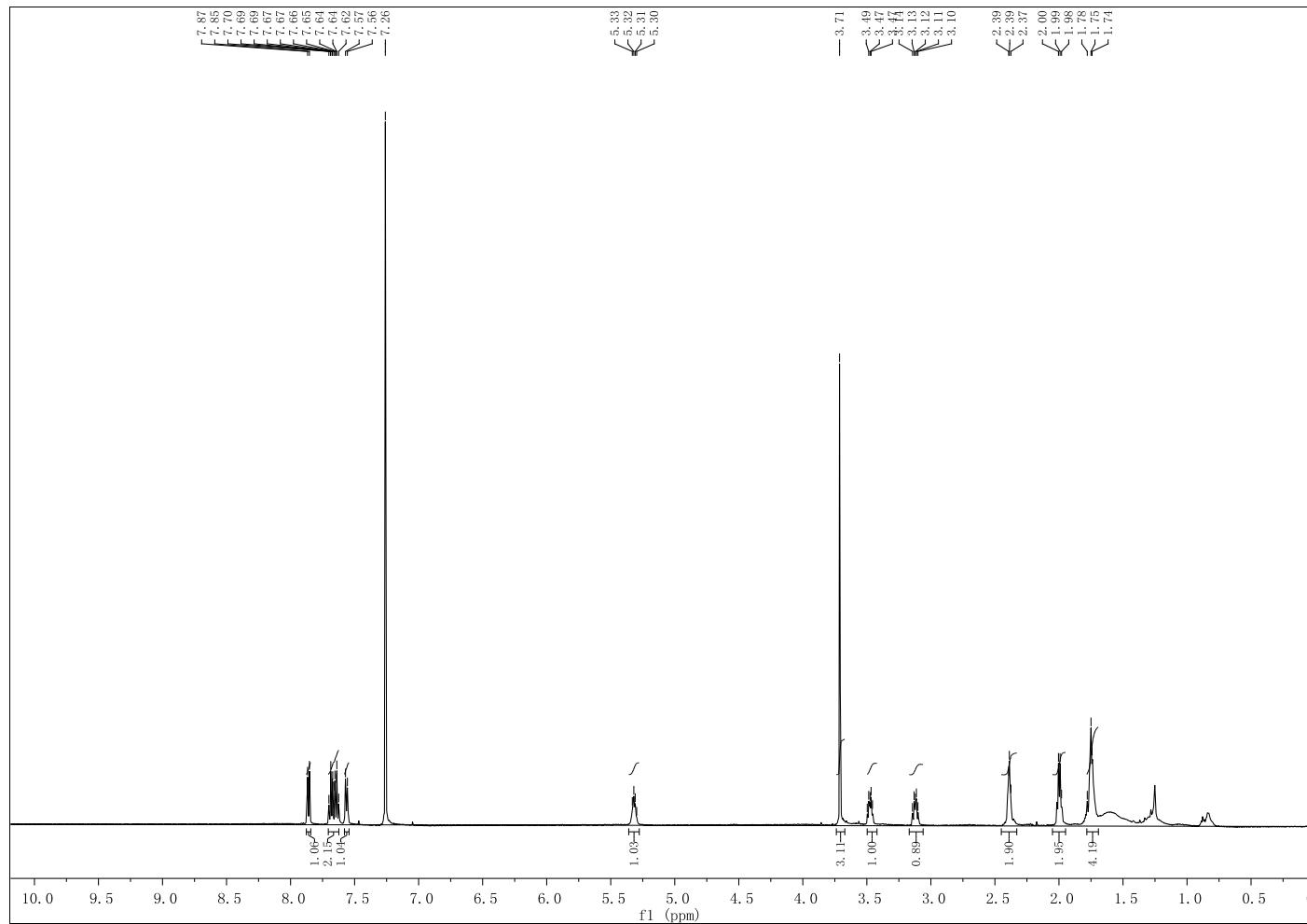


¹H NMR spectrum
(500 MHz, CDCl₃)



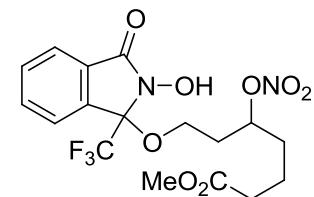
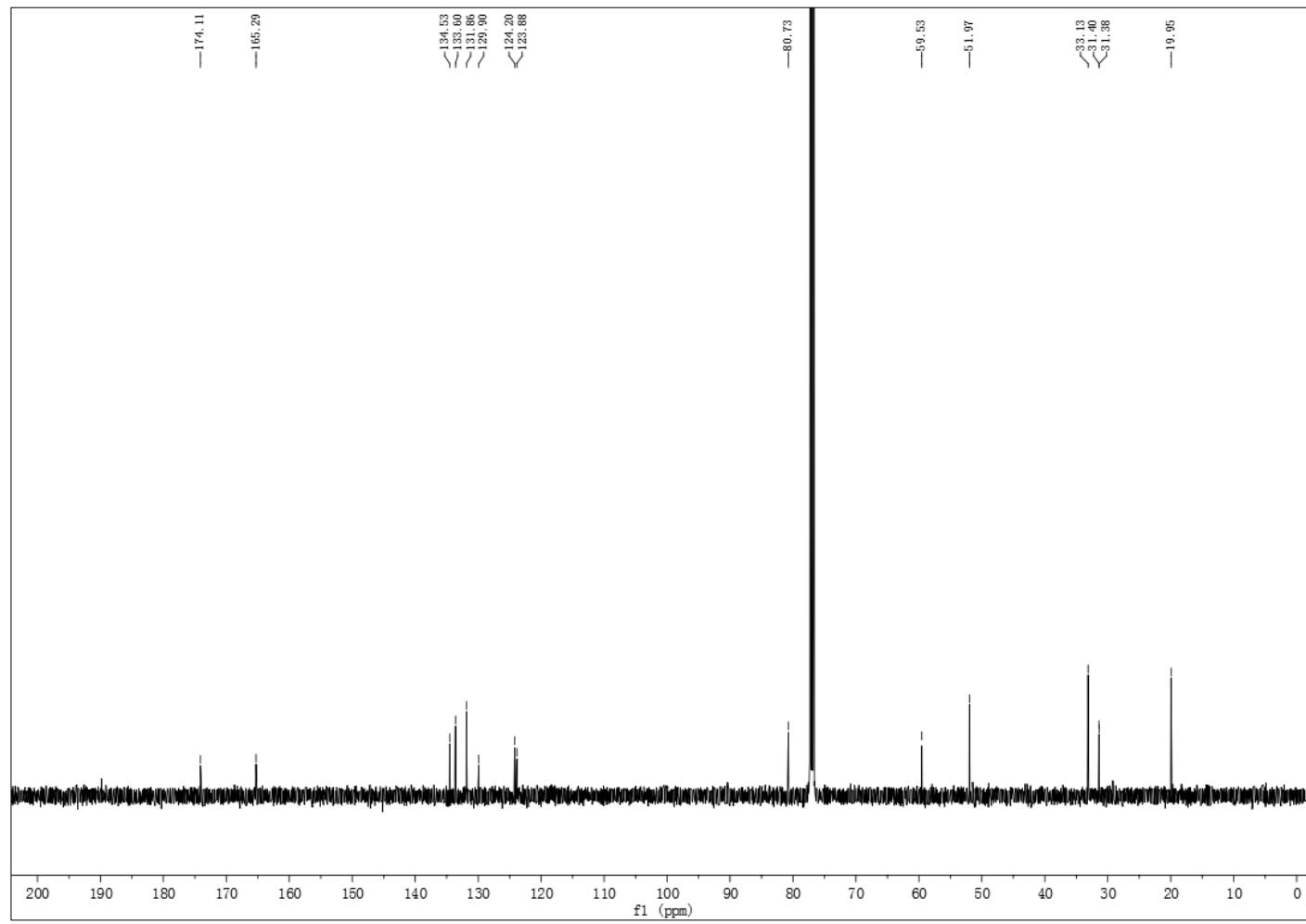
¹³C NMR spectrum
(125 MHz, CDCl₃)





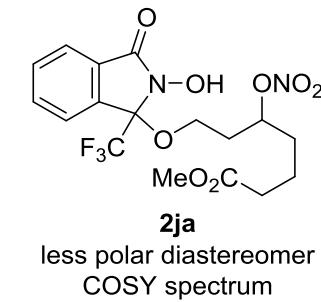
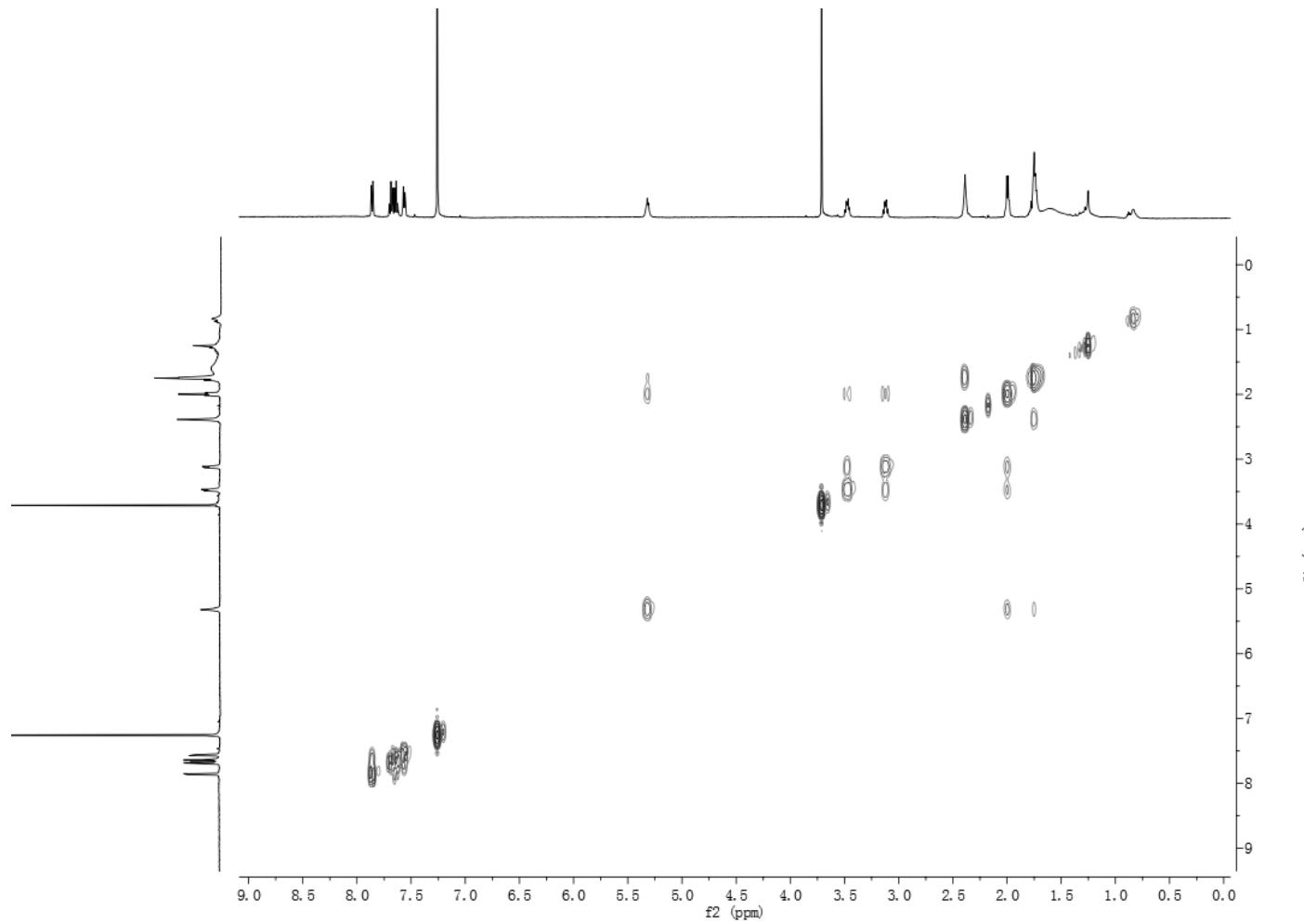
less polar diastereomer

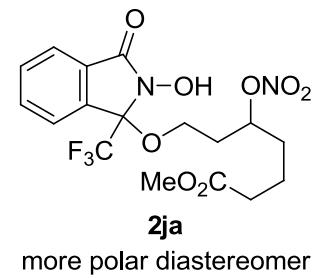
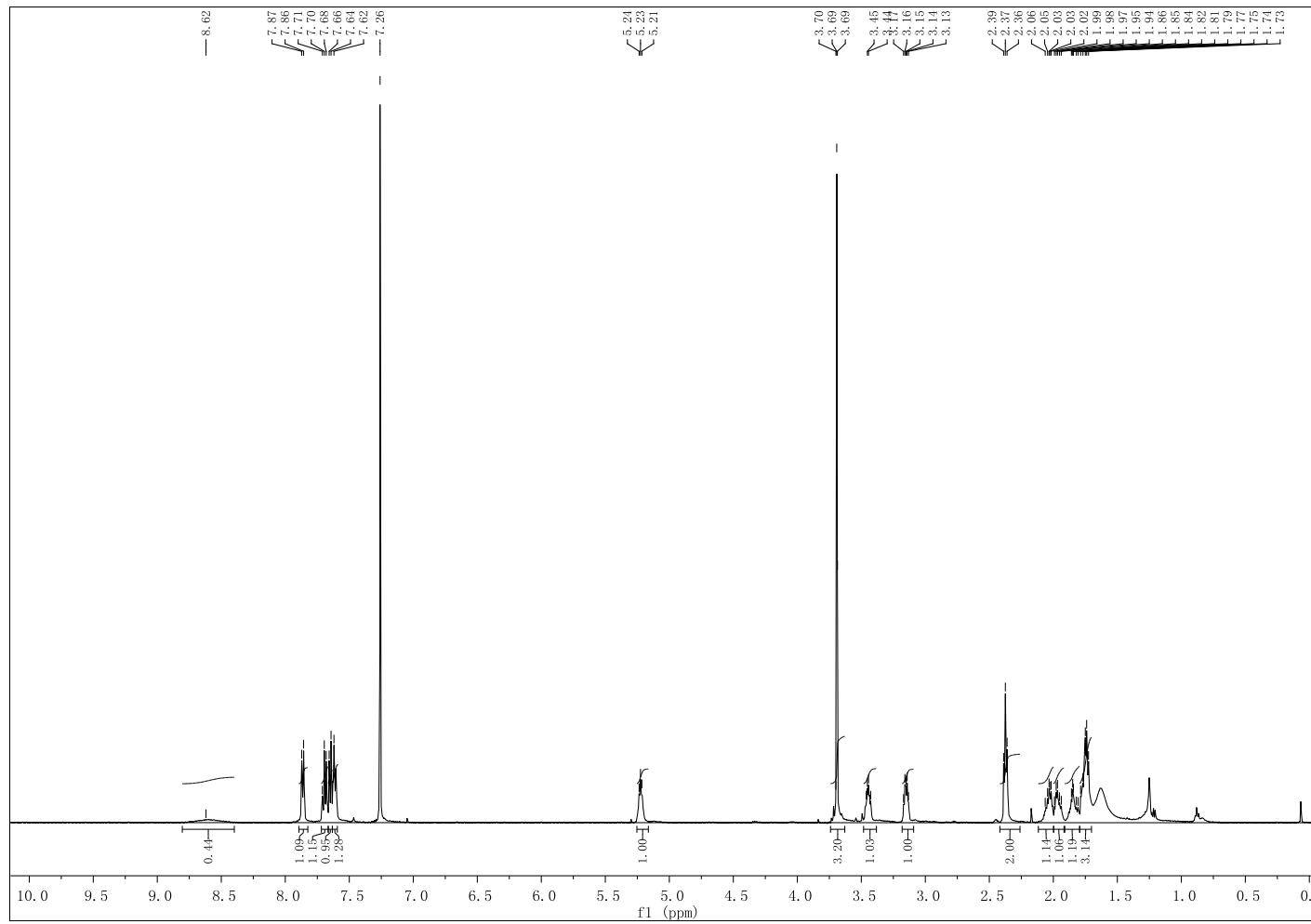
^1H NMR spectrum
(500 MHz, CDCl_3)



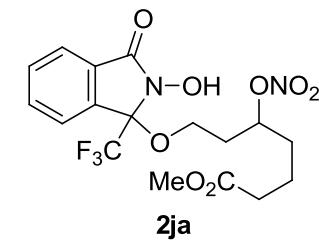
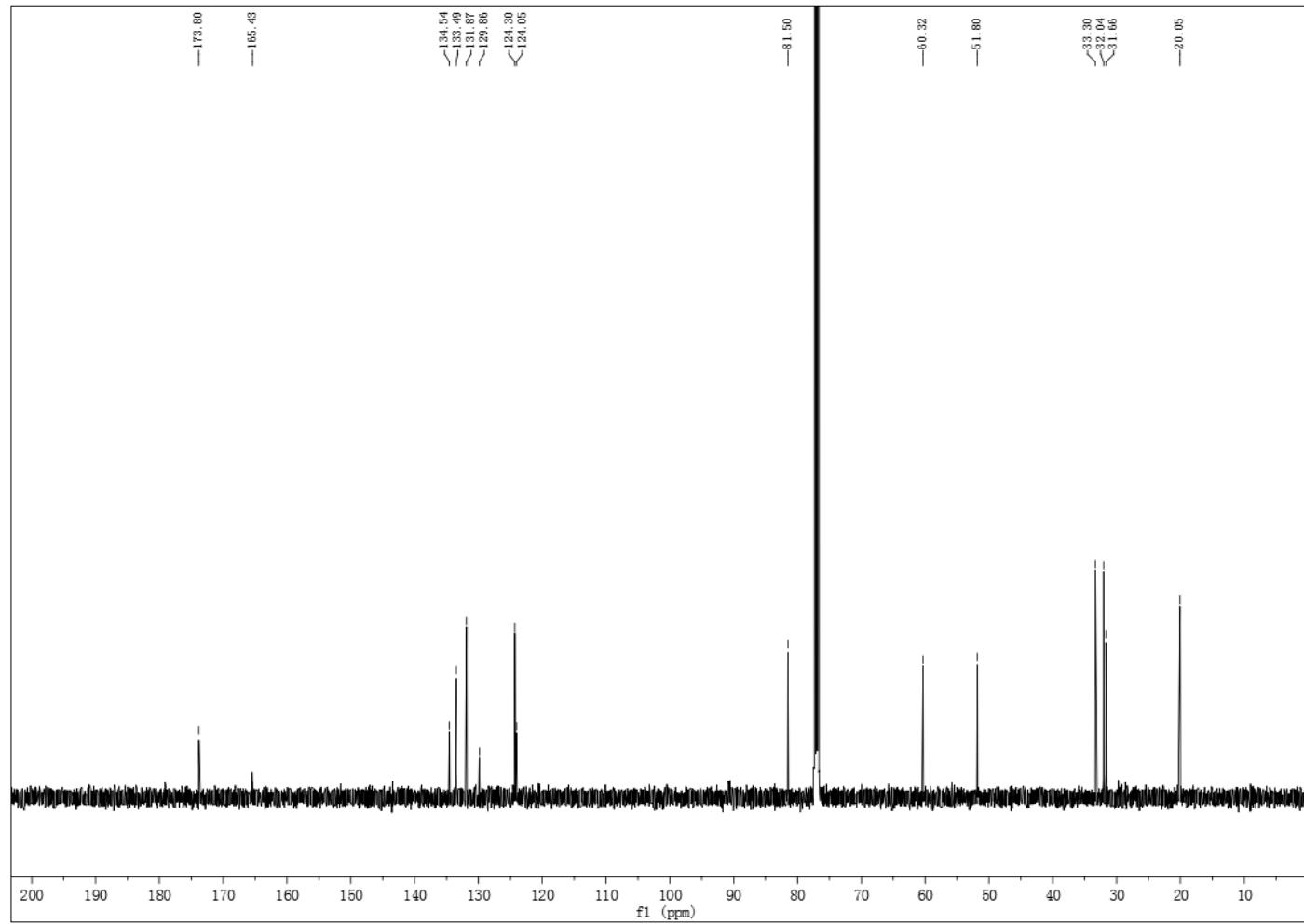
2ja
less polar diastereomer

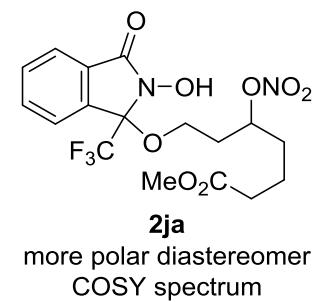
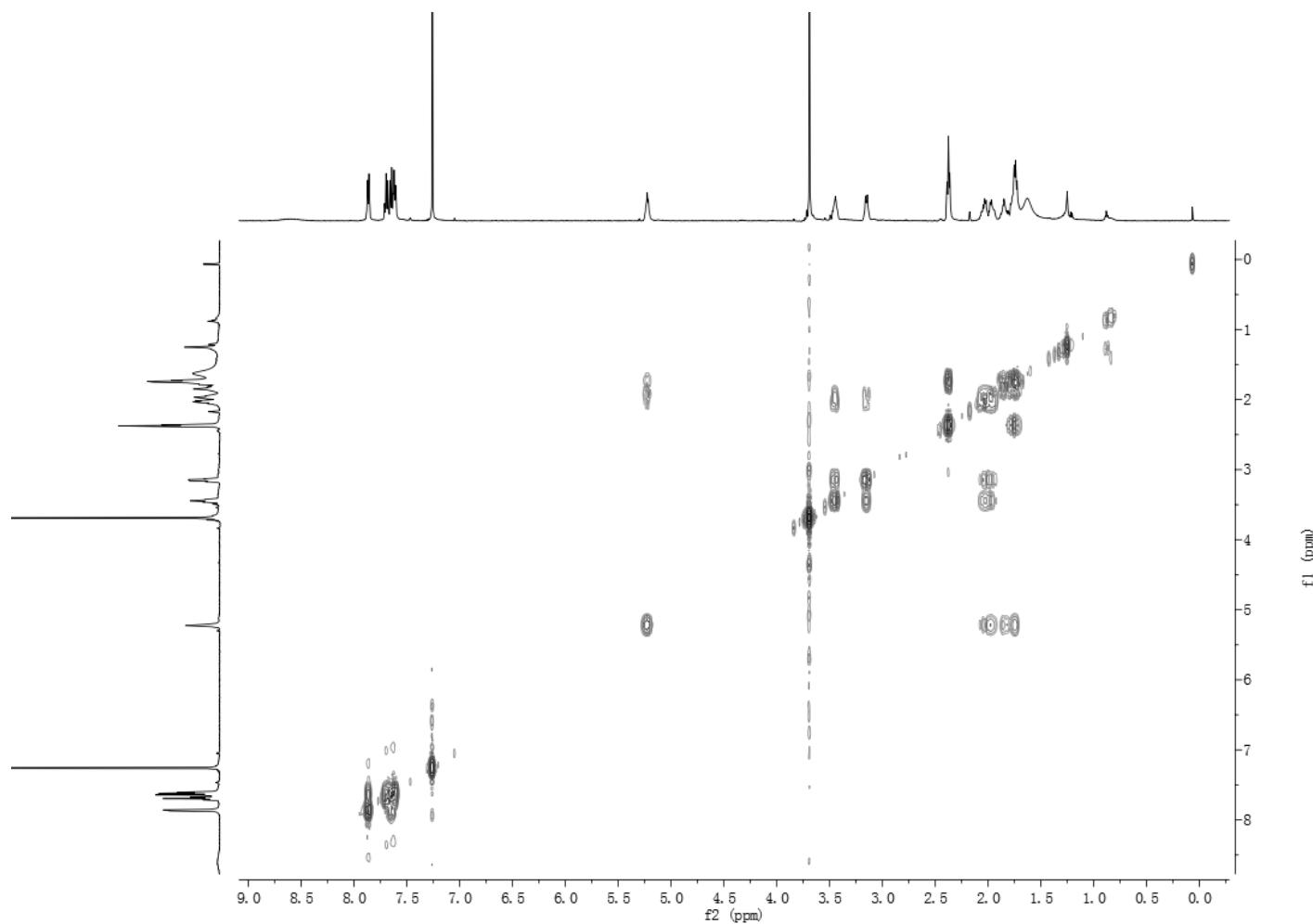
¹³C NMR spectrum
(125 MHz, CDCl₃)

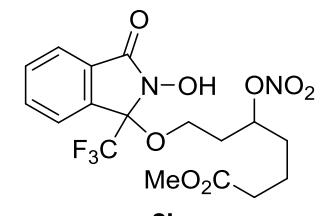
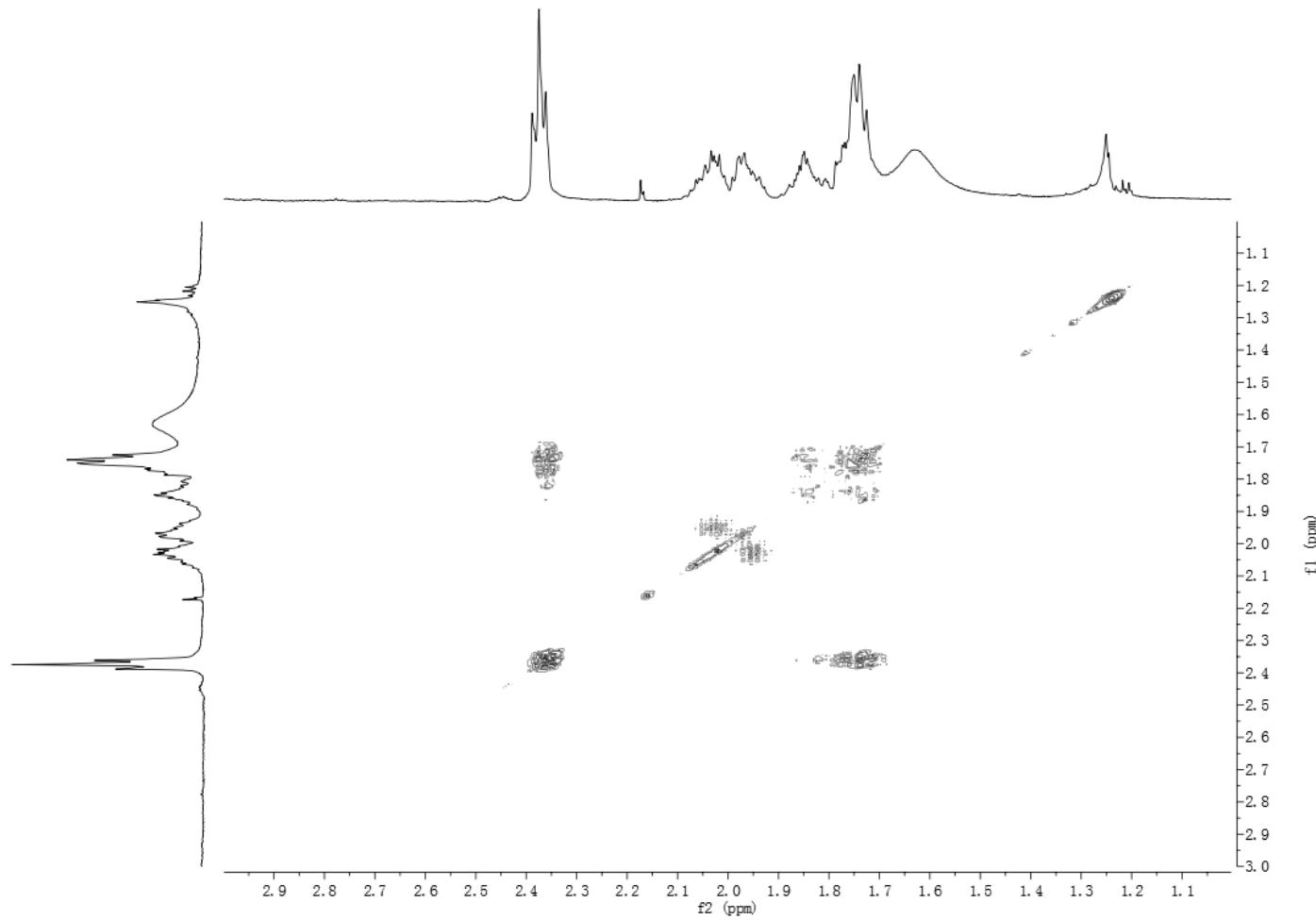


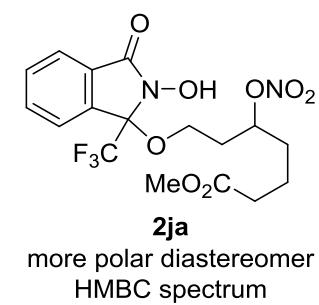
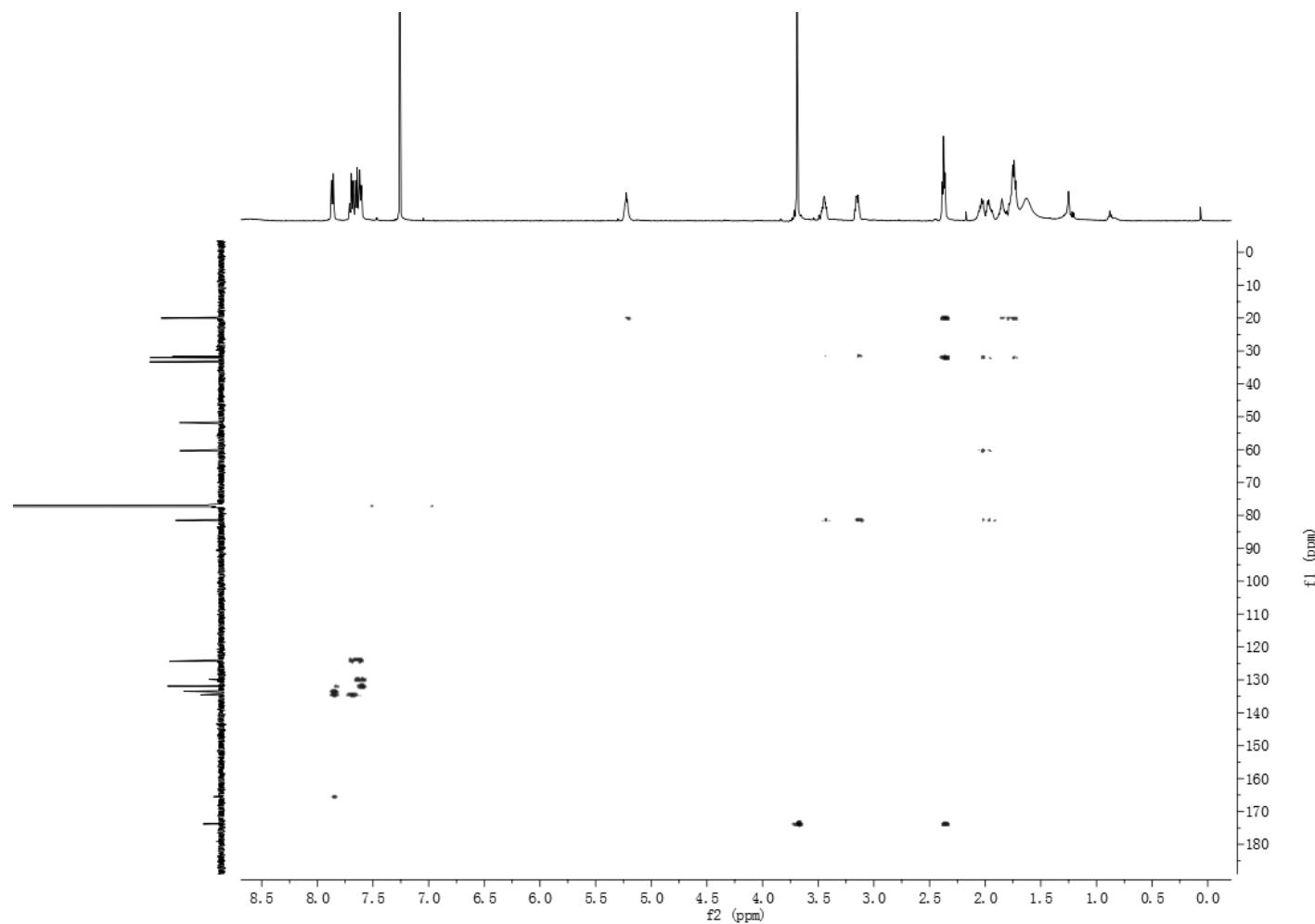


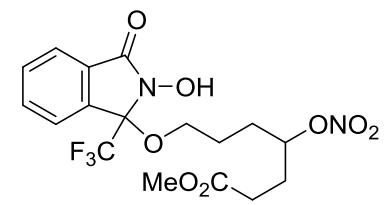
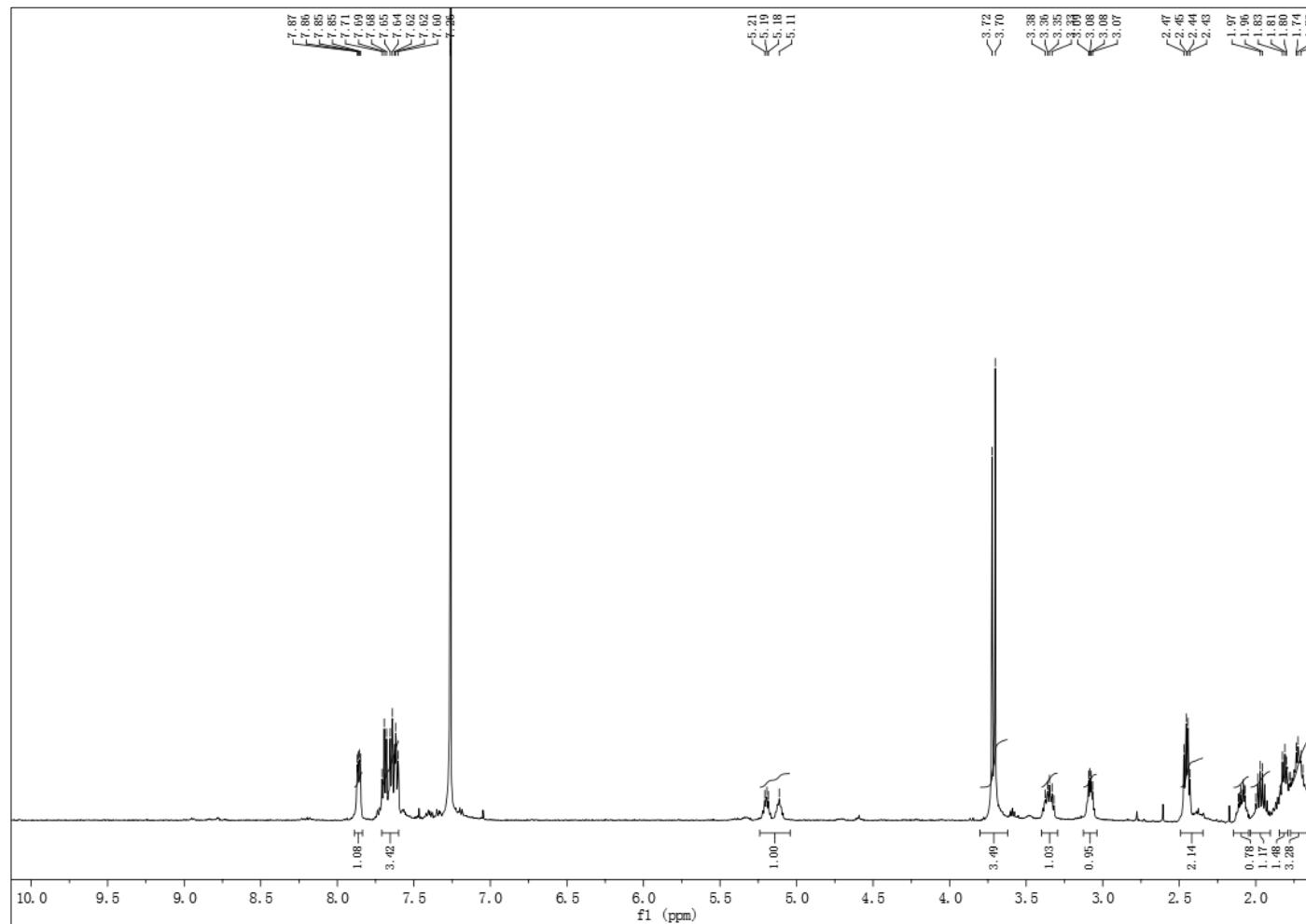
^1H NMR spectrum
(500 MHz, CDCl_3)



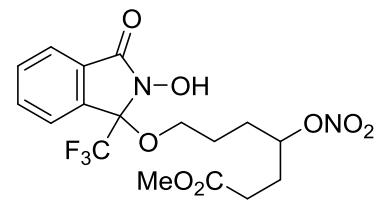
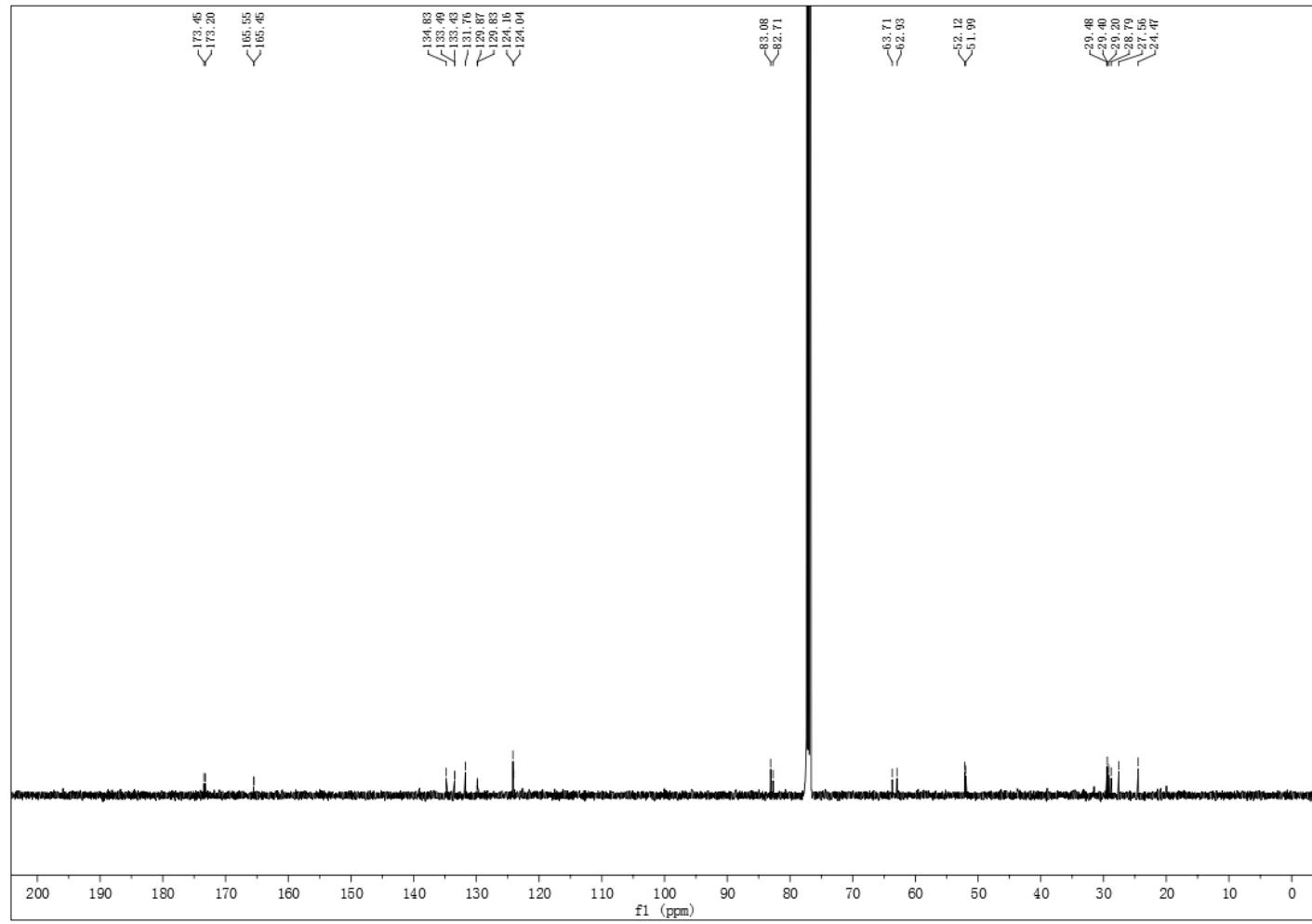




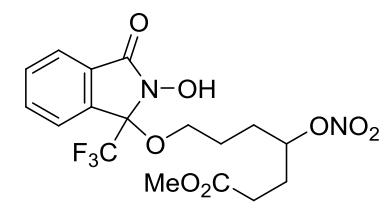
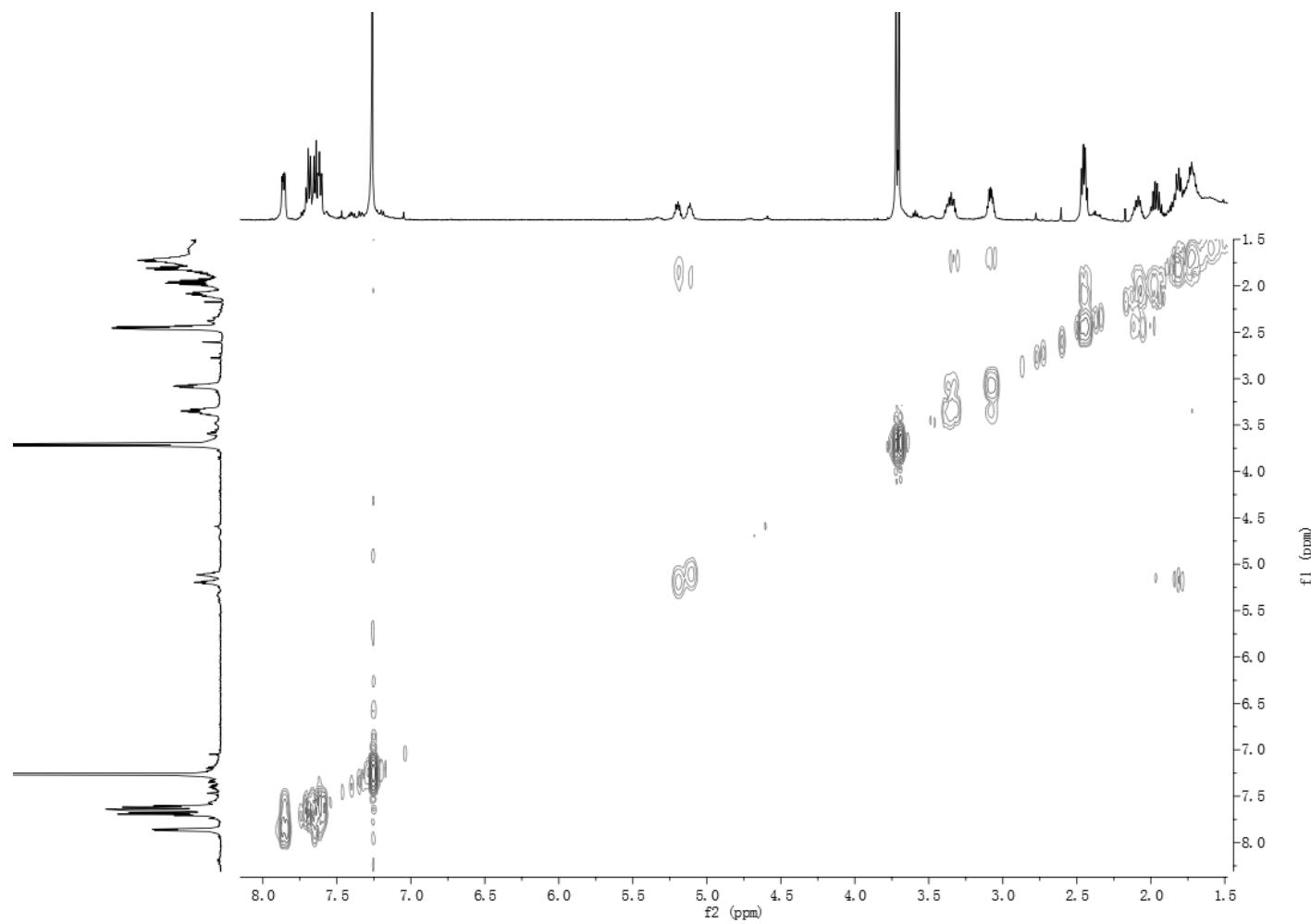




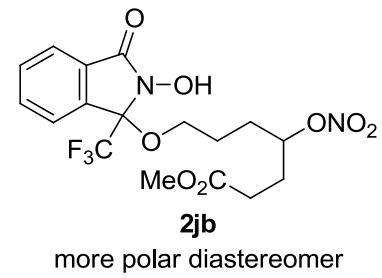
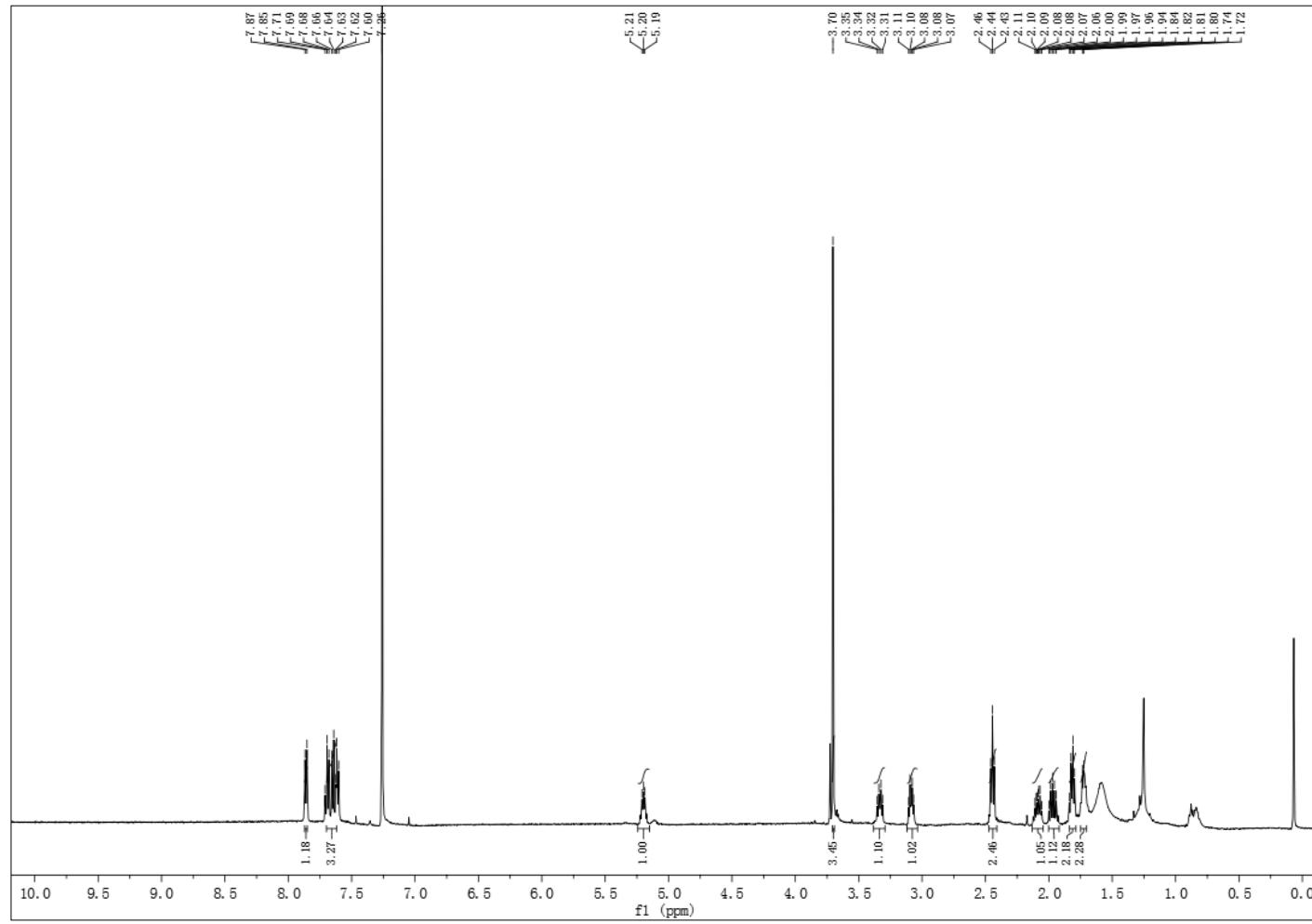
¹H NMR spectrum
(500 MHz, CDCl₃)

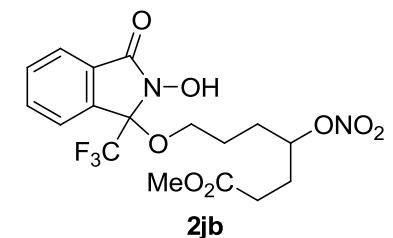
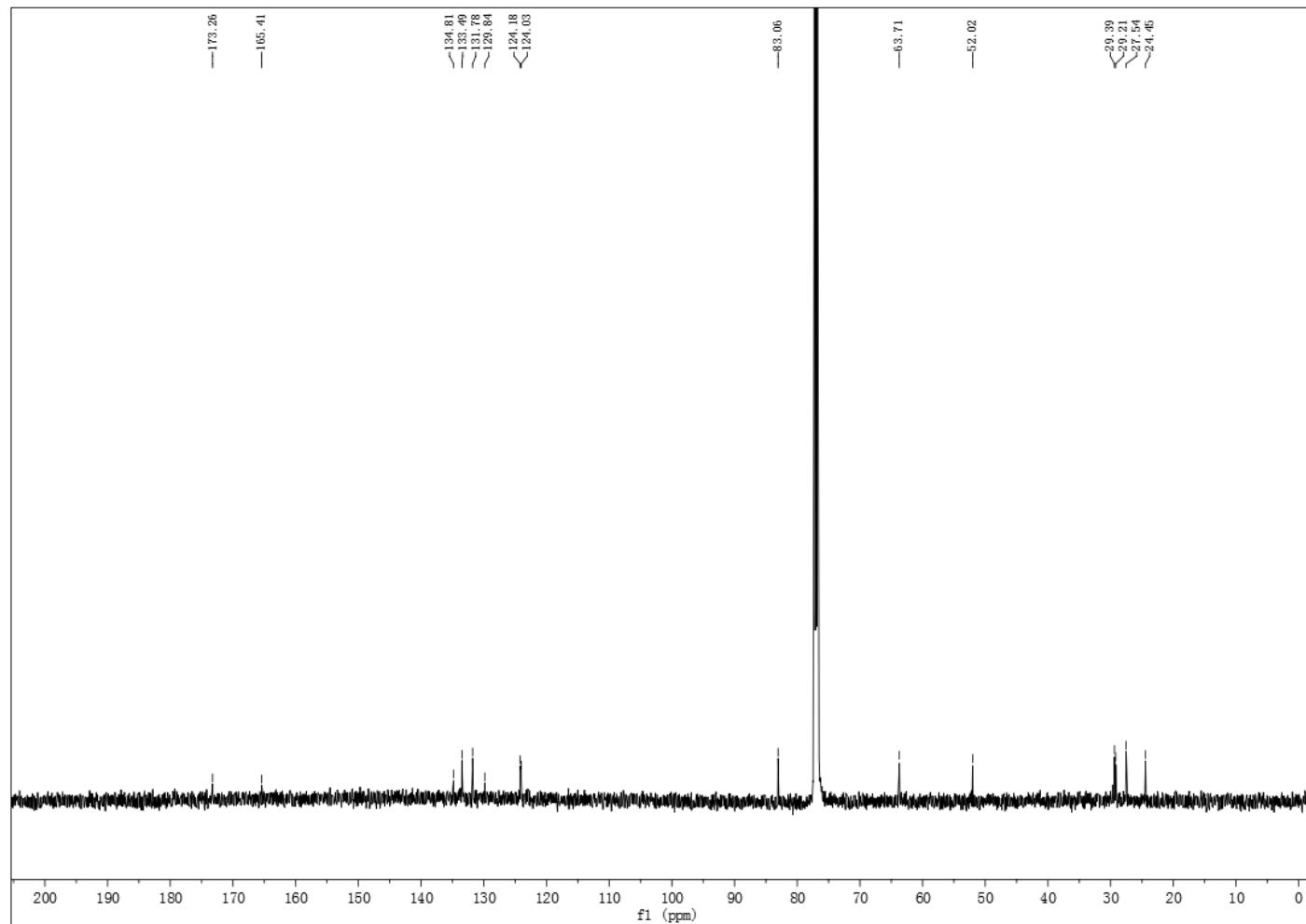


2jb
¹³C NMR spectrum
 (125 MHz, CDCl₃)

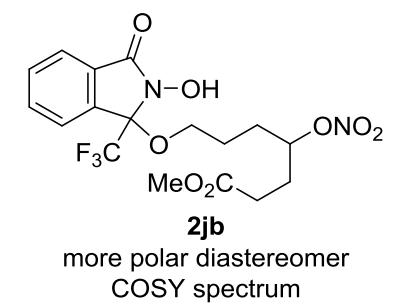
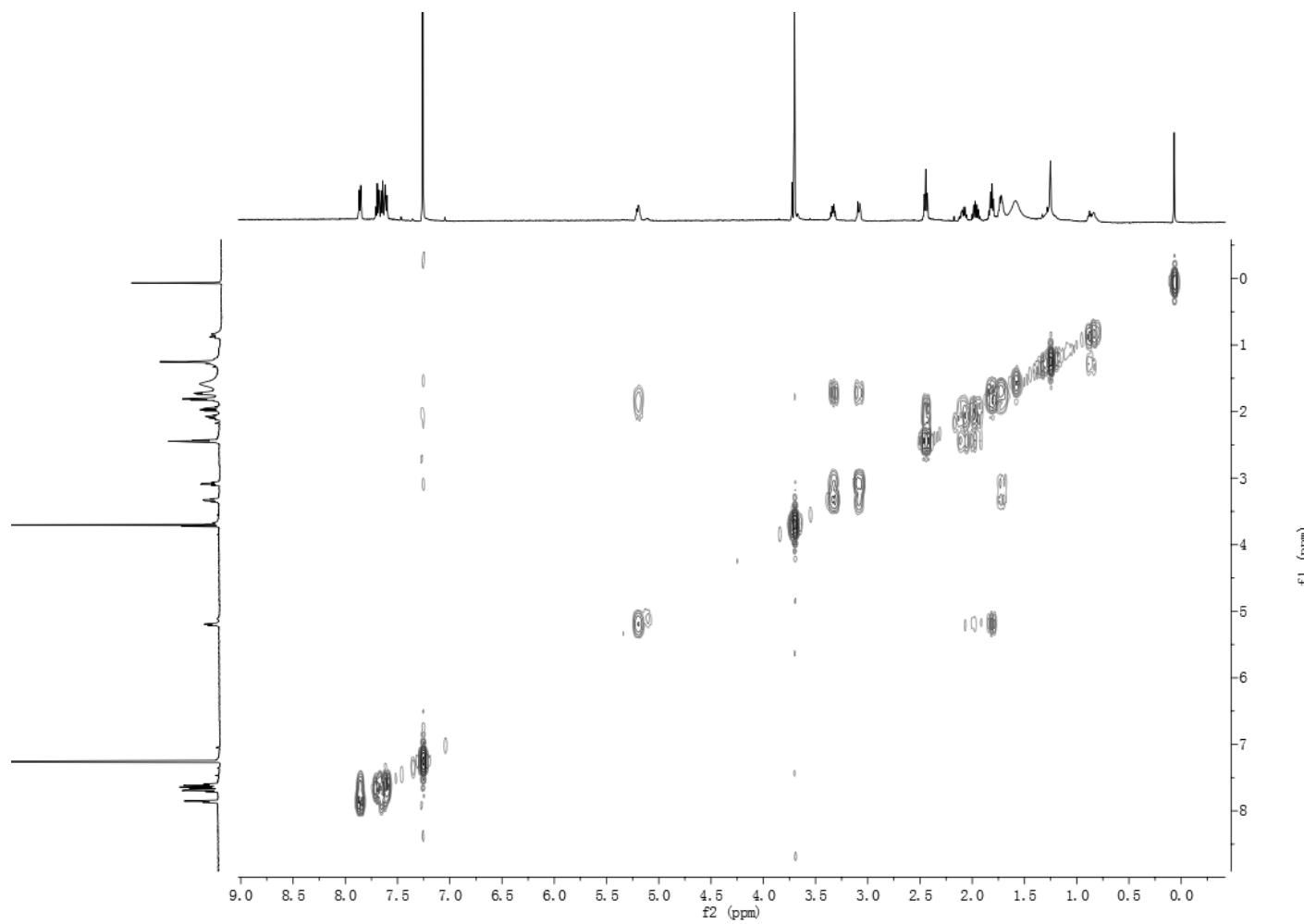


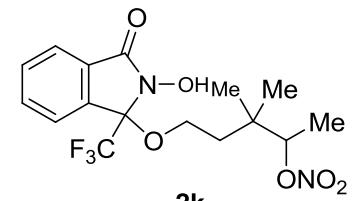
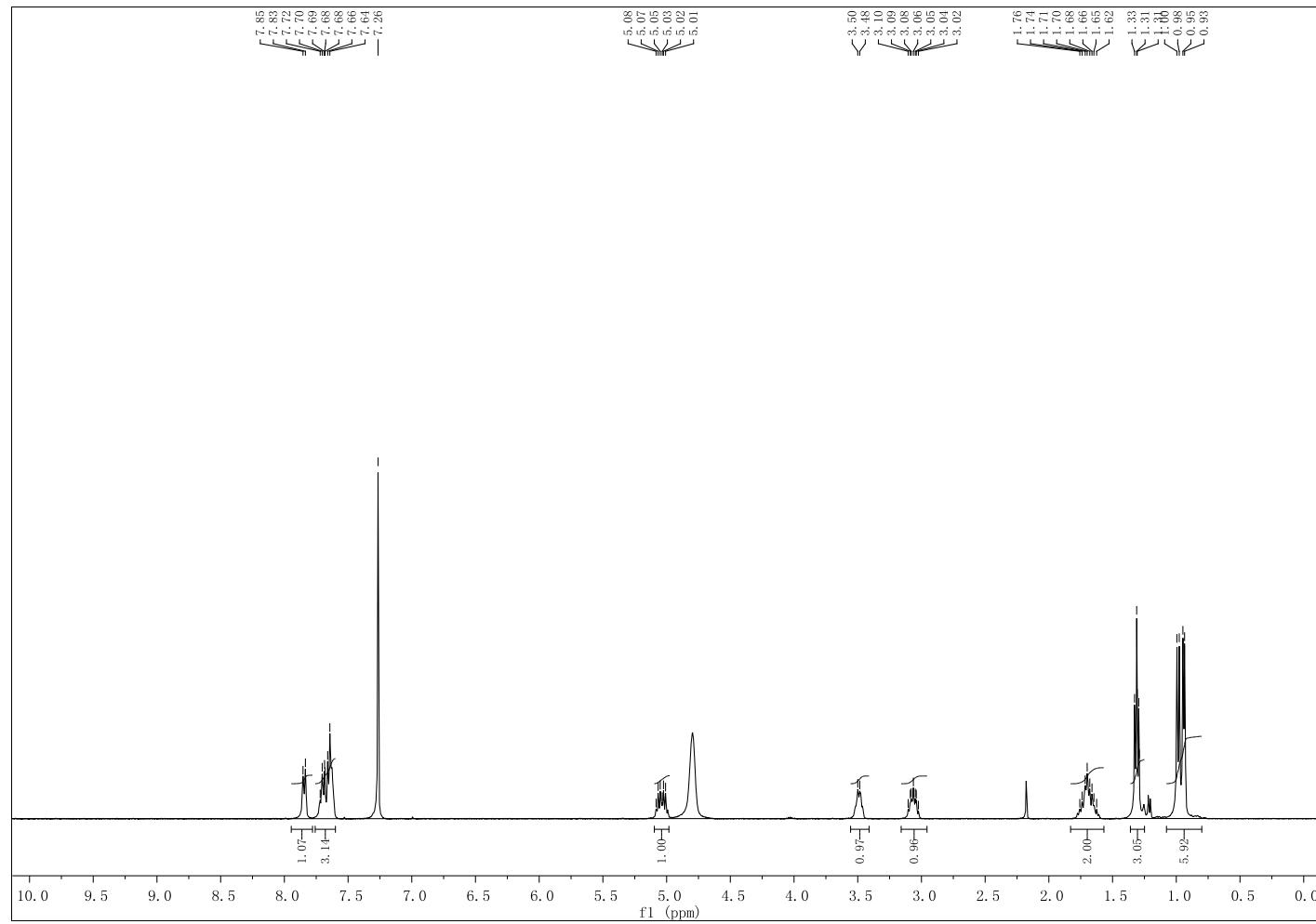
2jb
less polar diastereomer
COSY spectrum



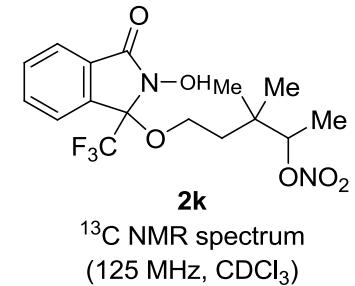
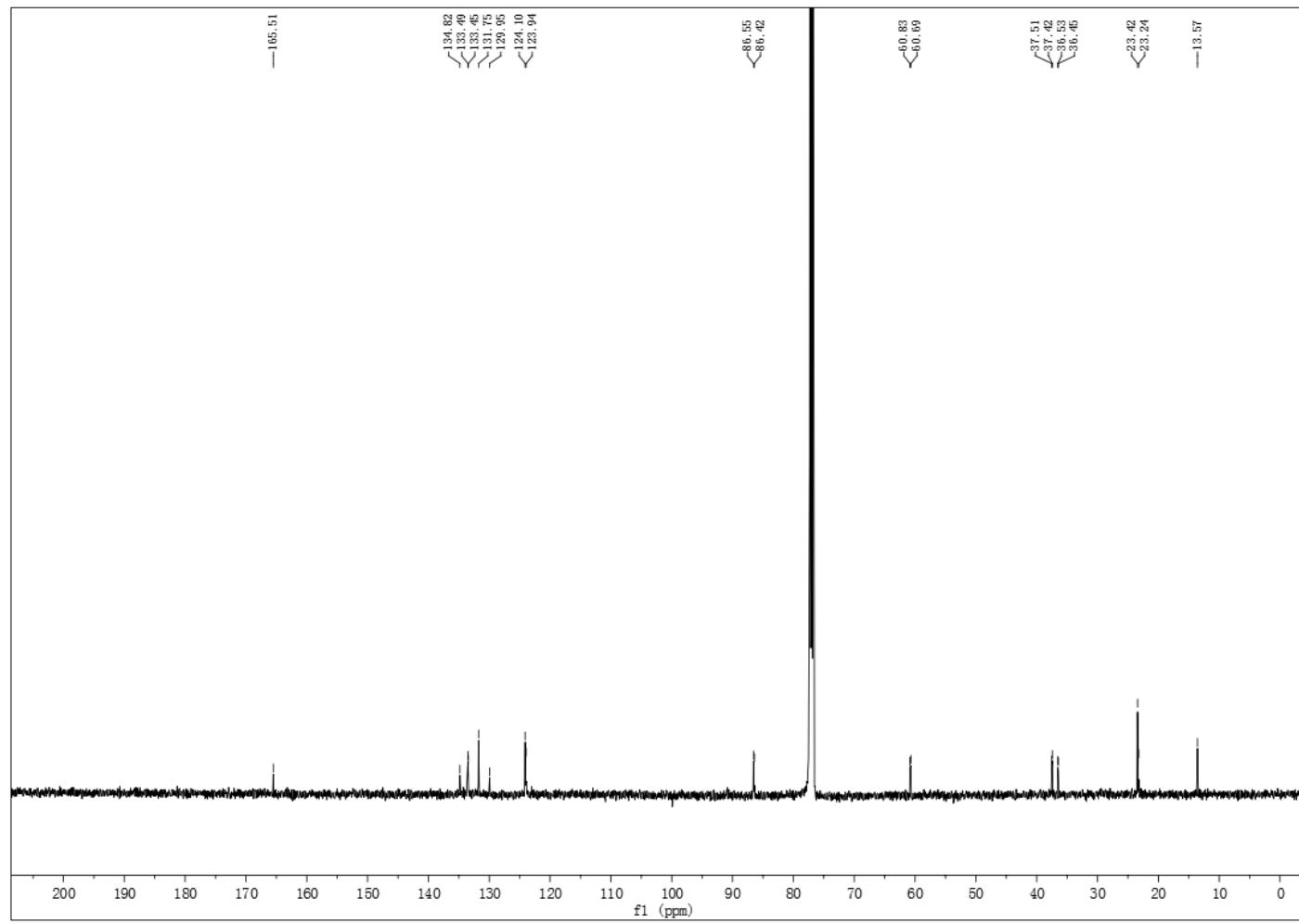


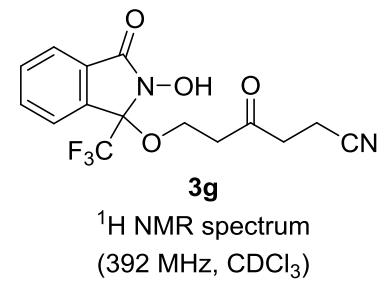
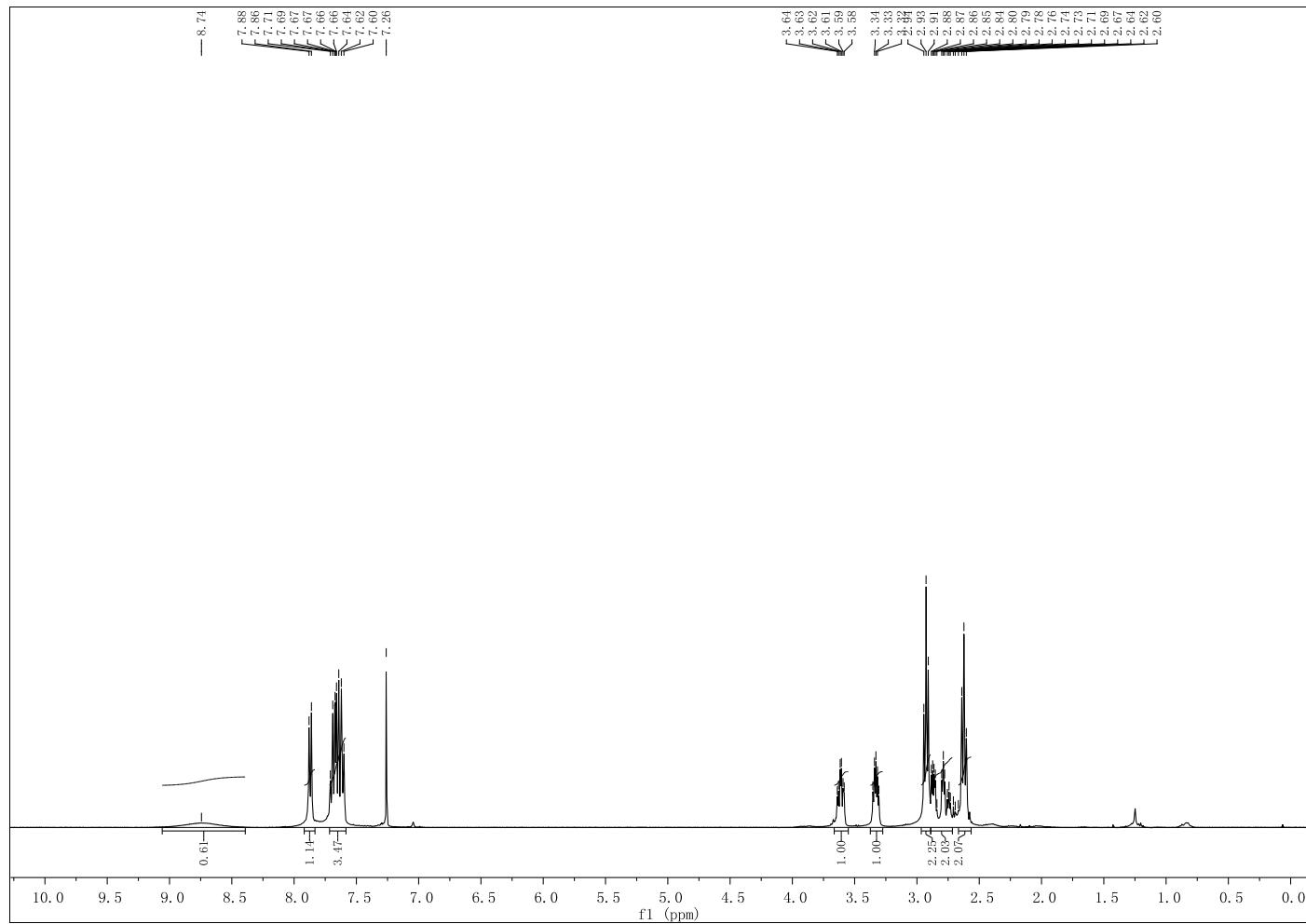
¹³C NMR spectrum
(125 MHz, CDCl₃)

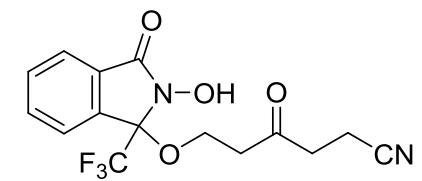




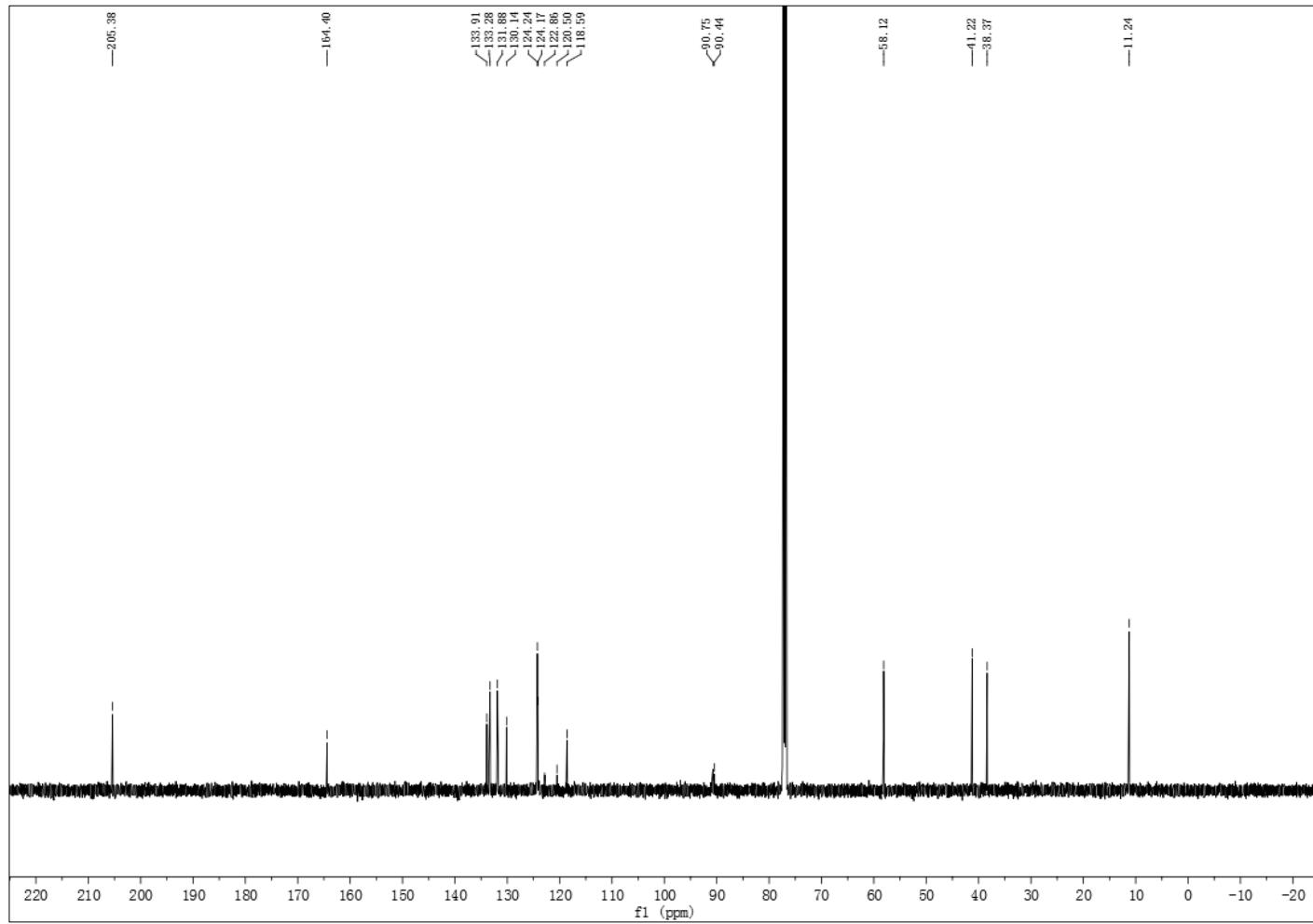
¹H NMR spectrum
(400 MHz, CDCl₃)

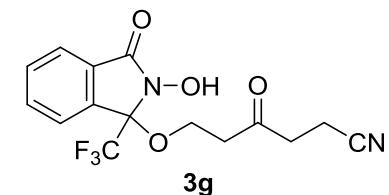
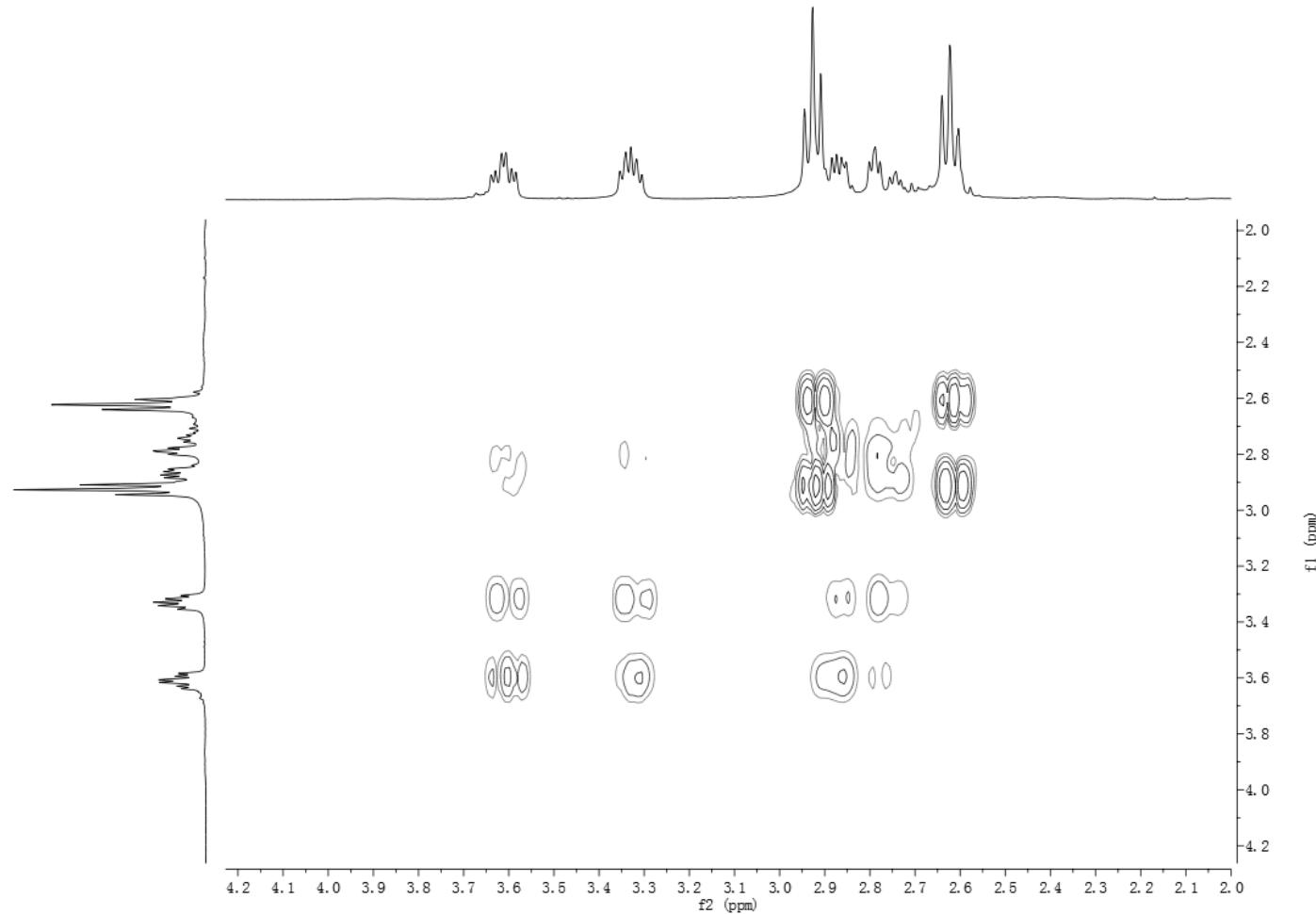




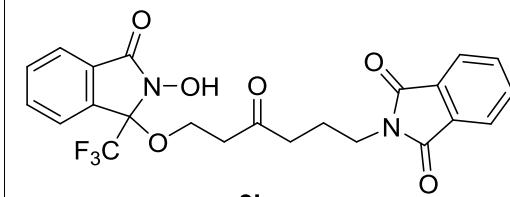
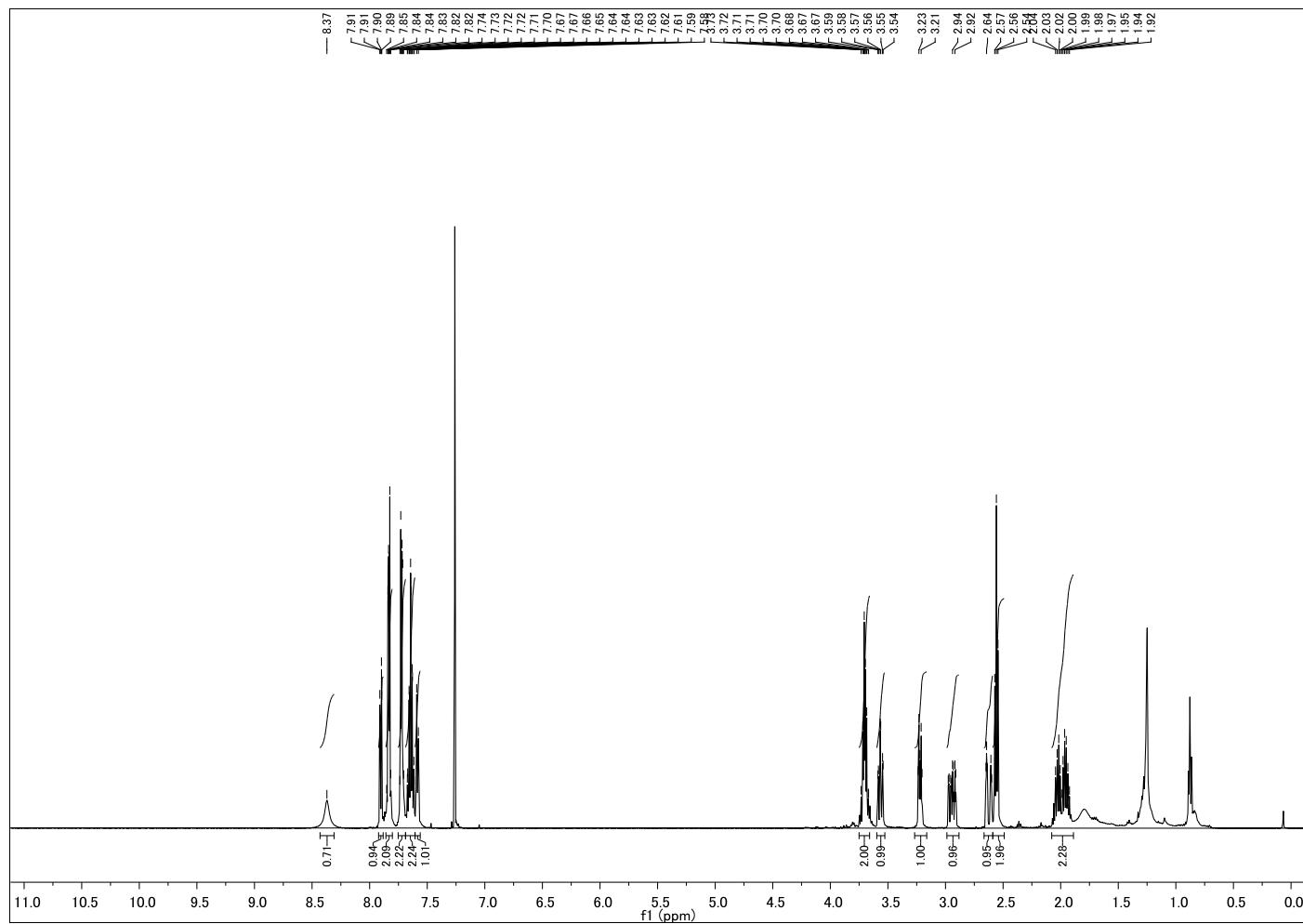


3g
 ^{13}C NMR spectrum
(123 MHz, CDCl_3)

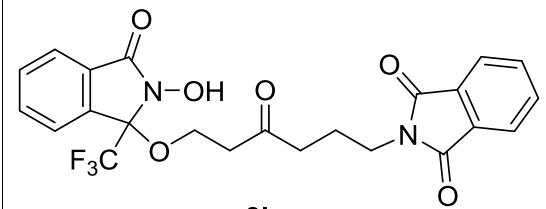
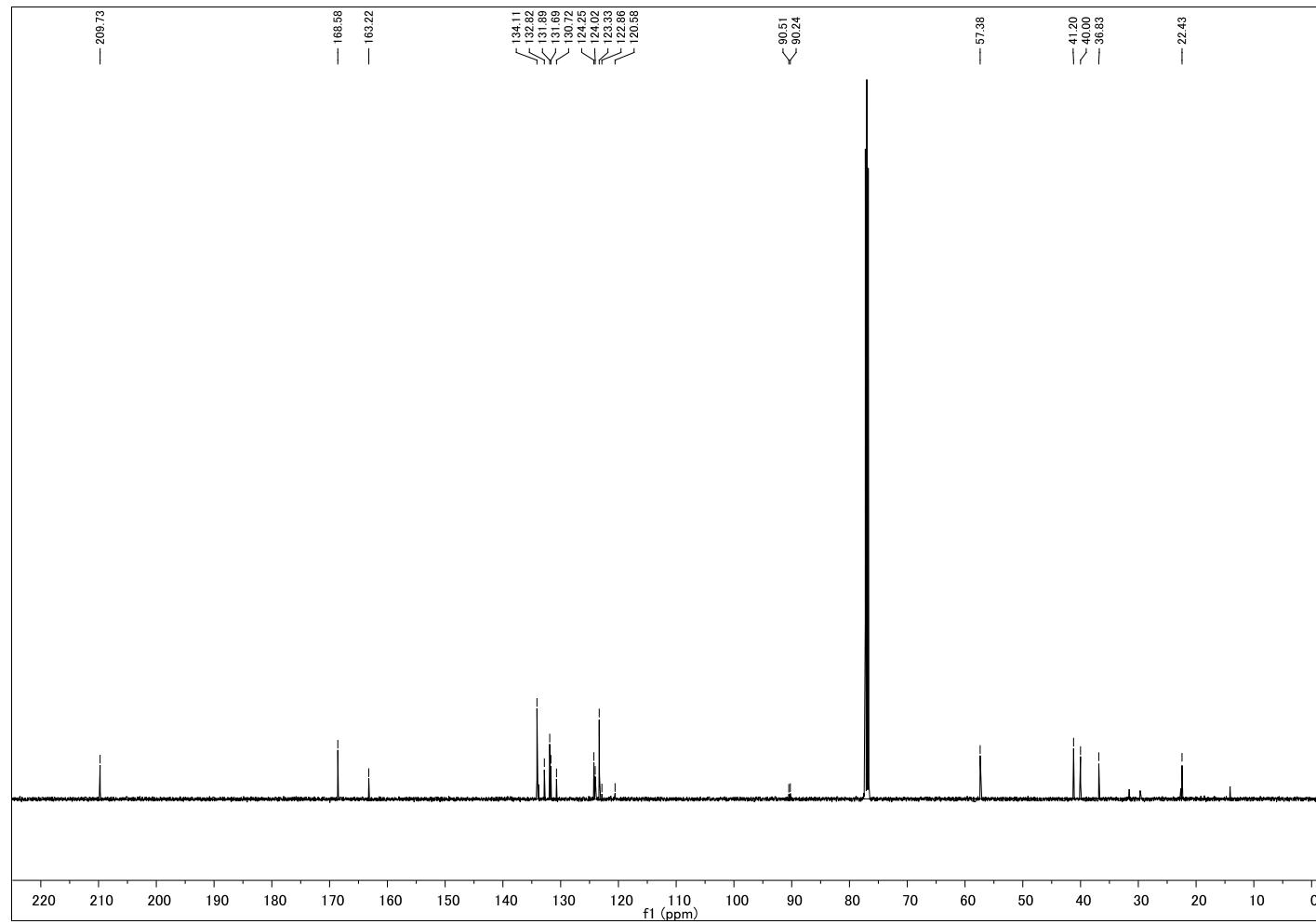




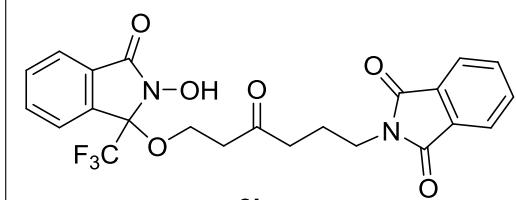
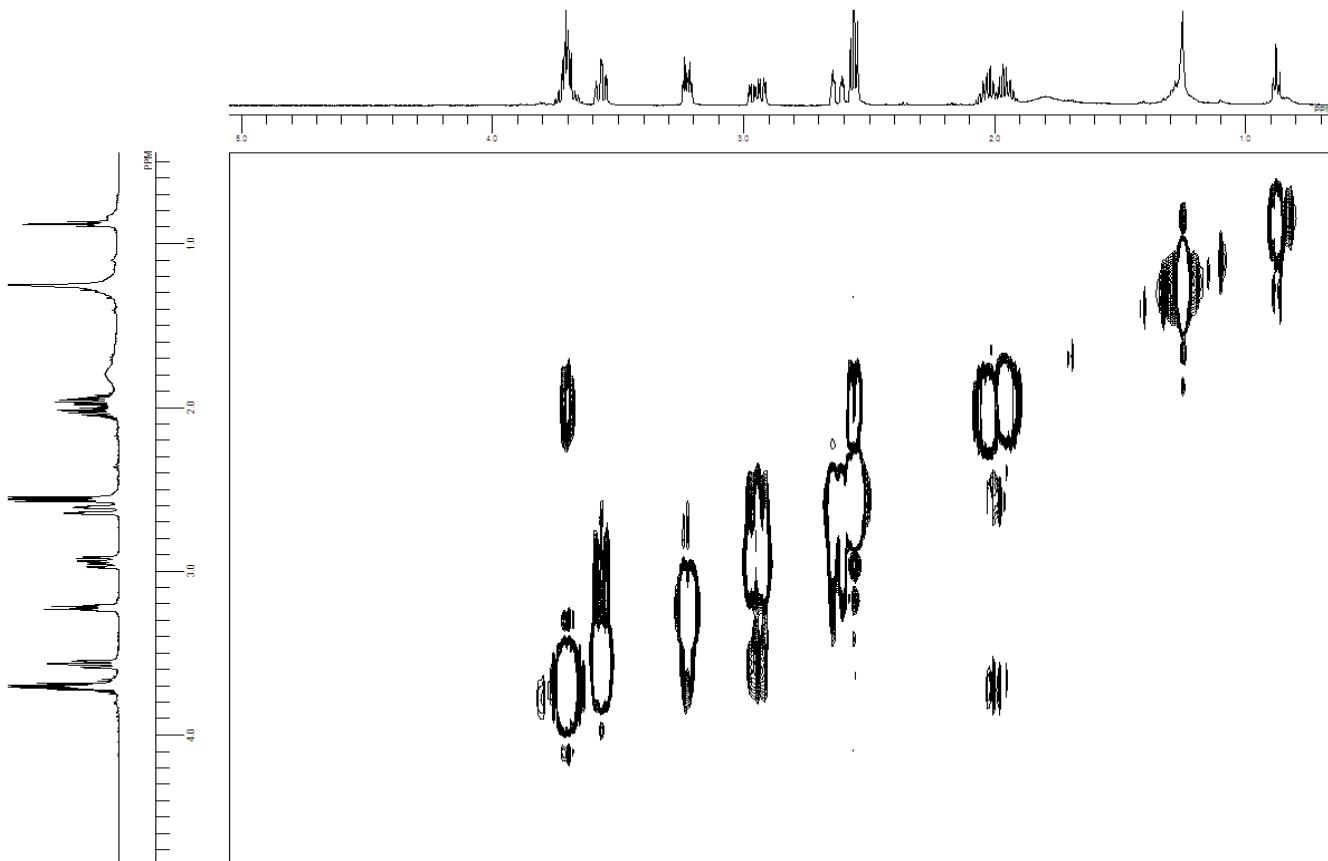
3g
COSY spectrum
(392 MHz, CDCl_3)



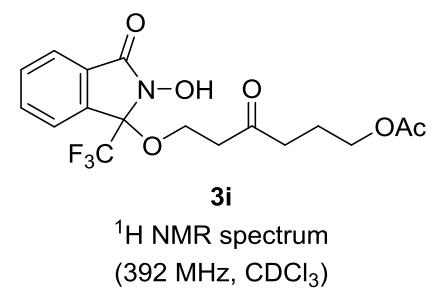
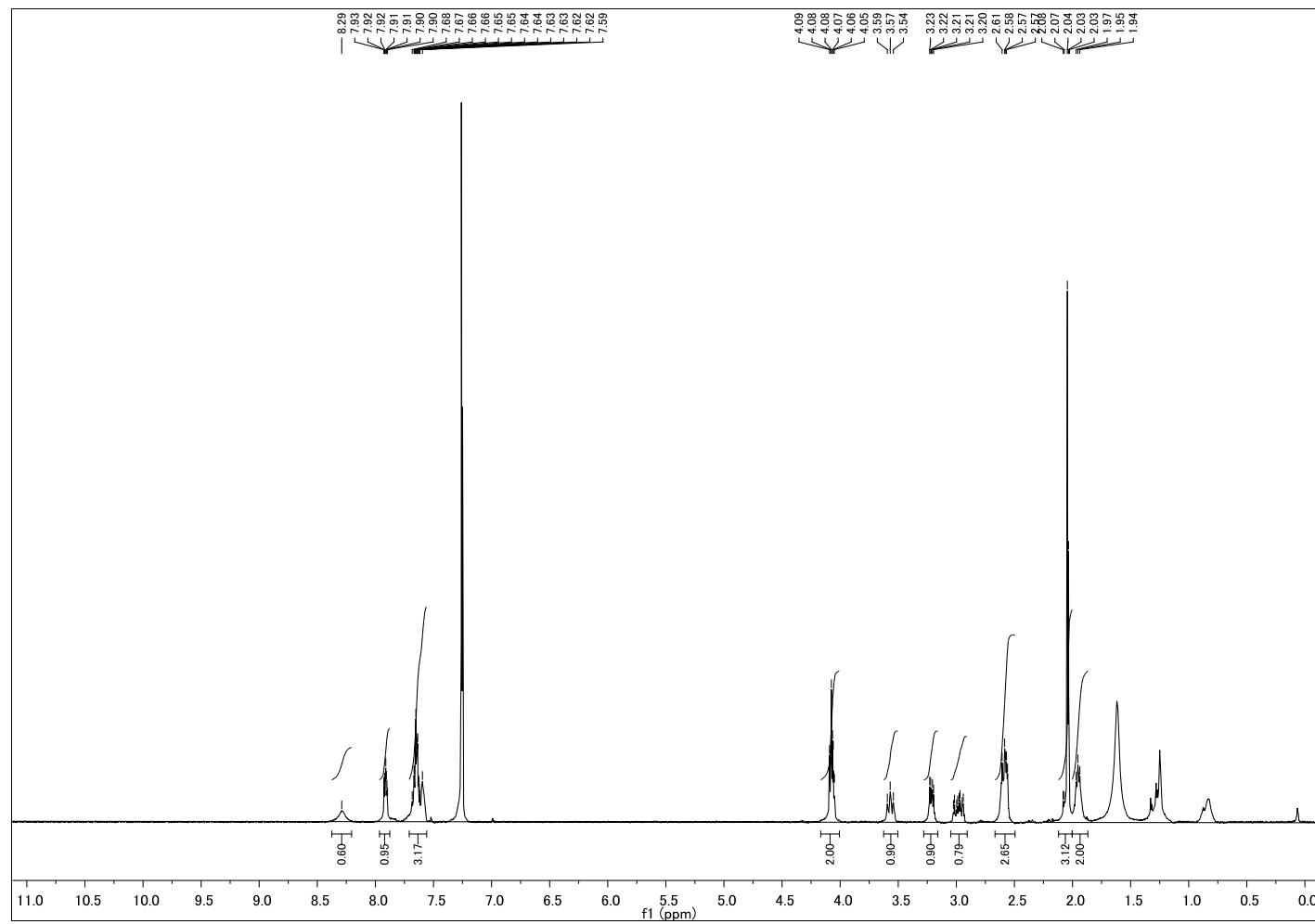
^1H NMR spectrum
(500 MHz, CDCl_3)

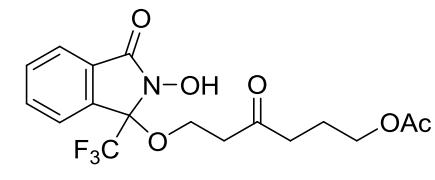
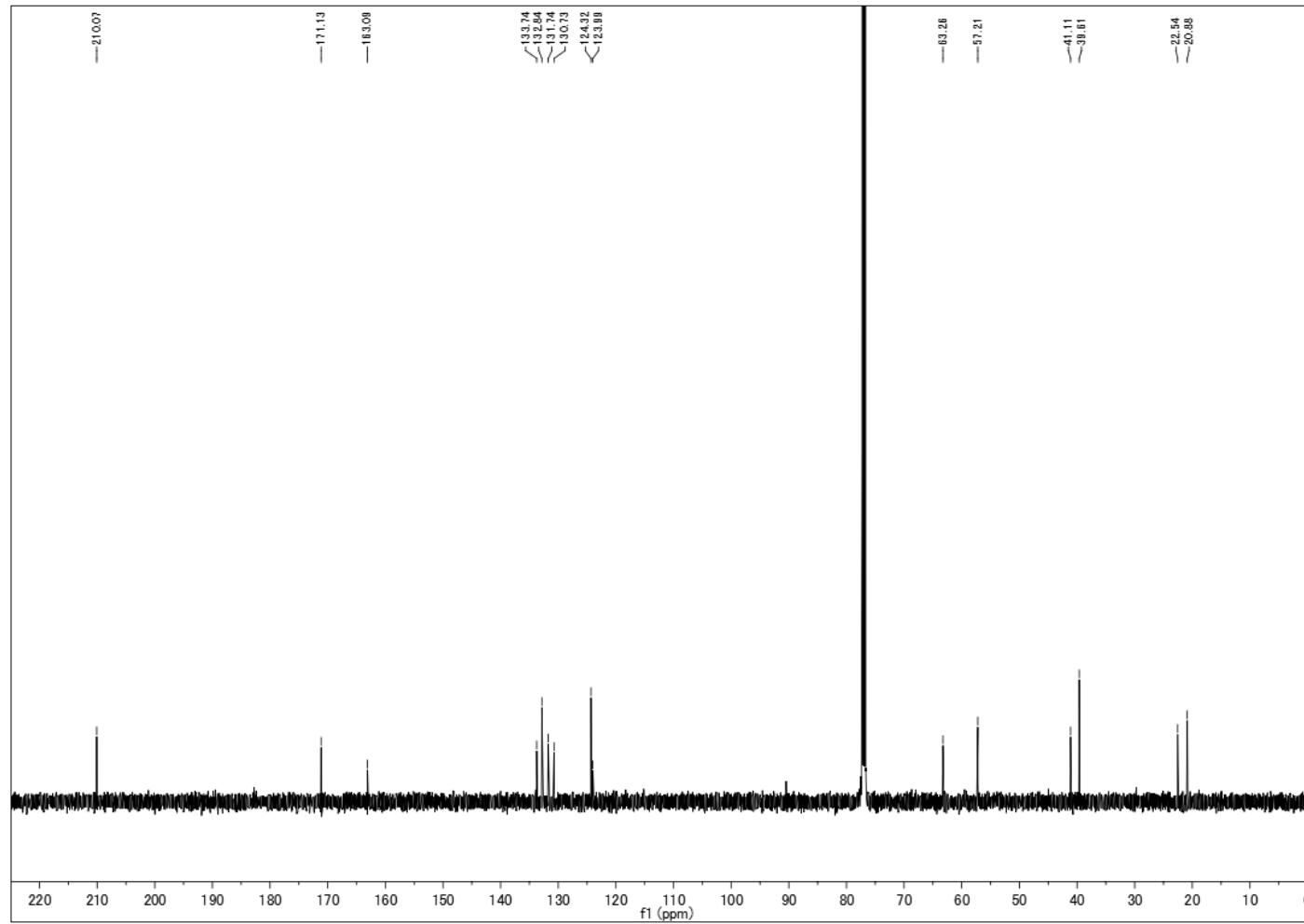


3h

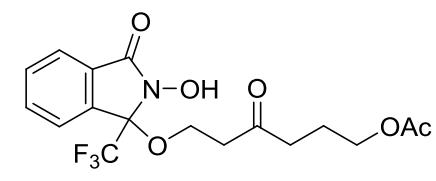
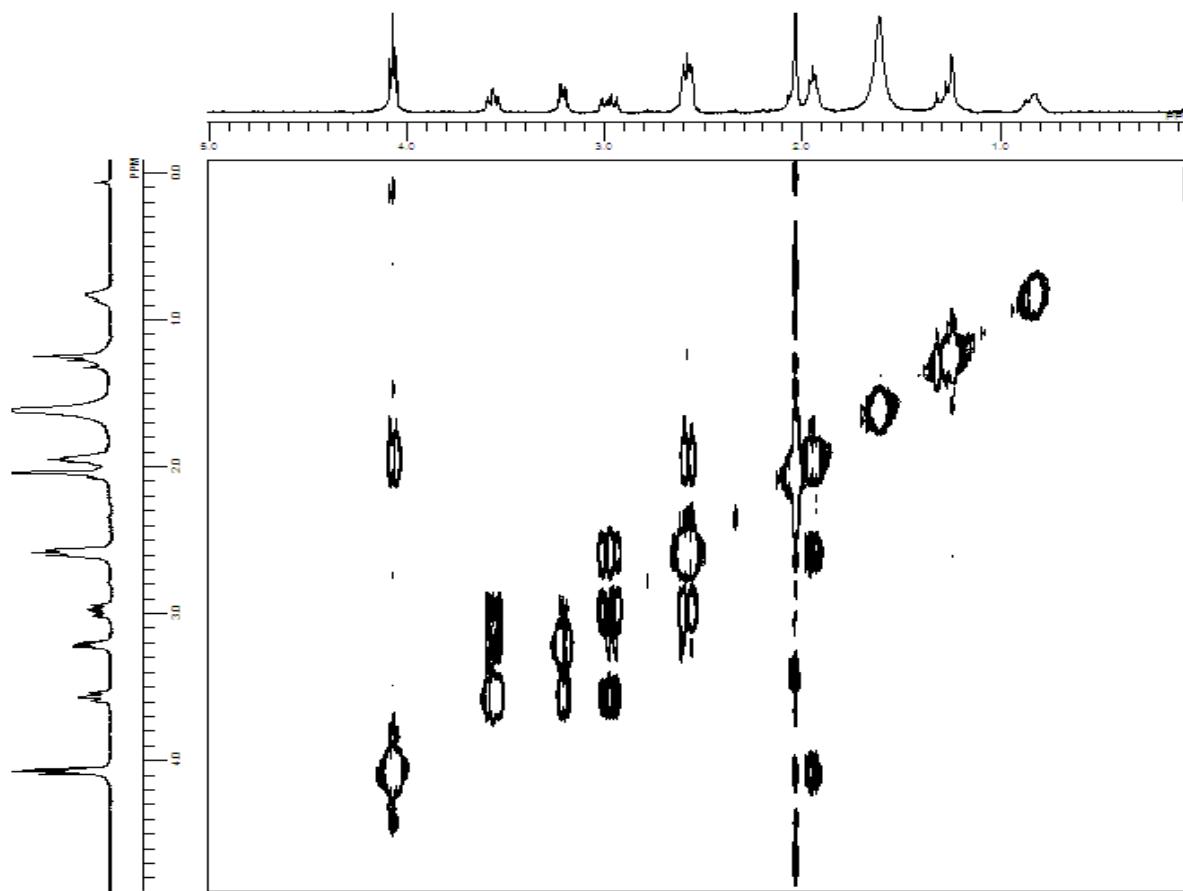


COSY spectrum
(500 MHz, CDCl_3)

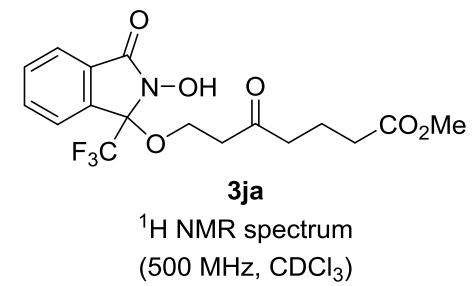
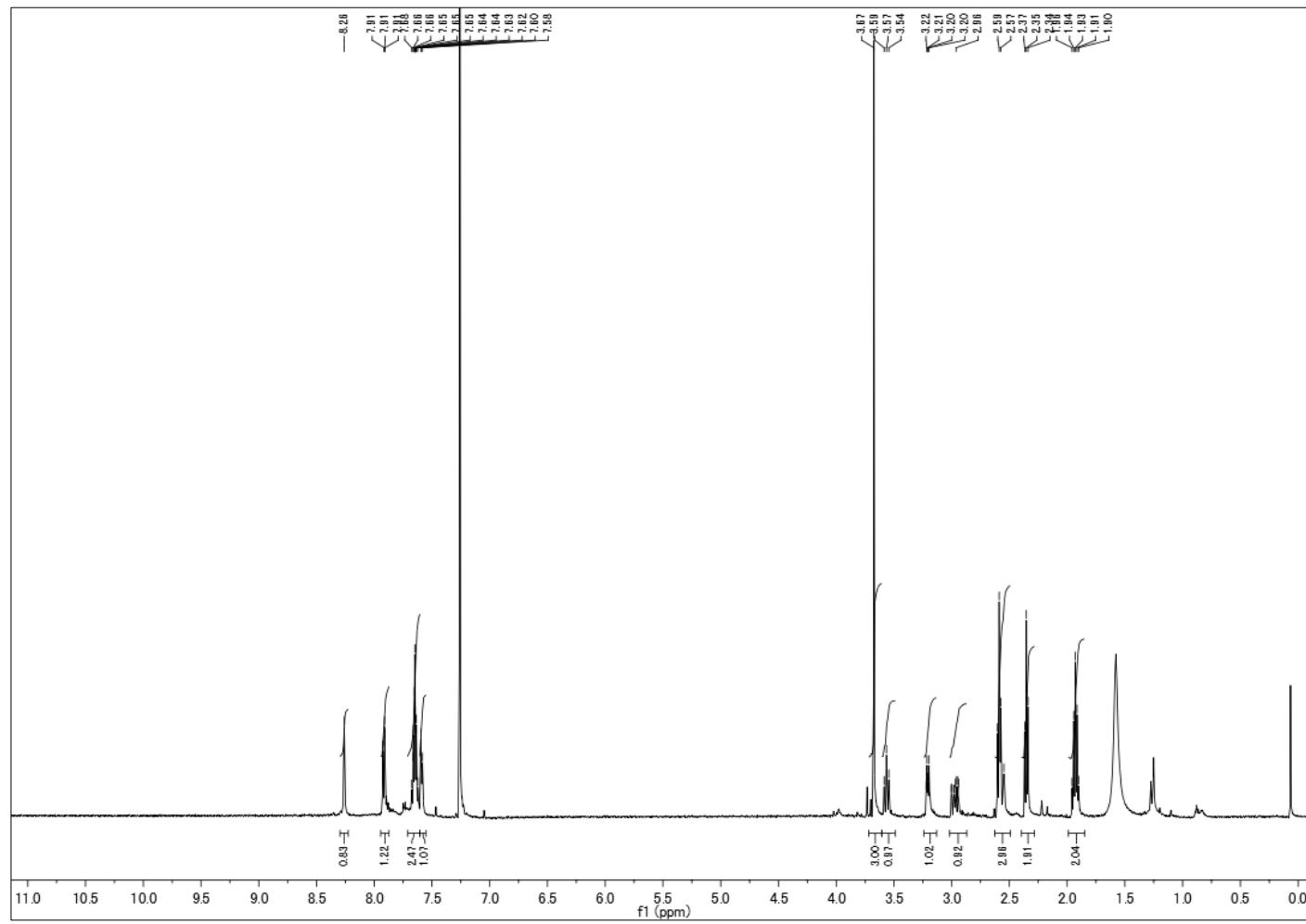


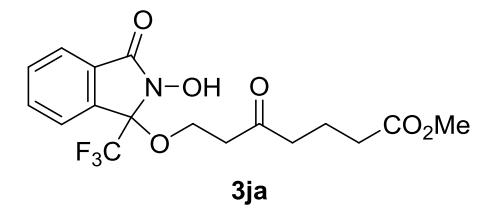
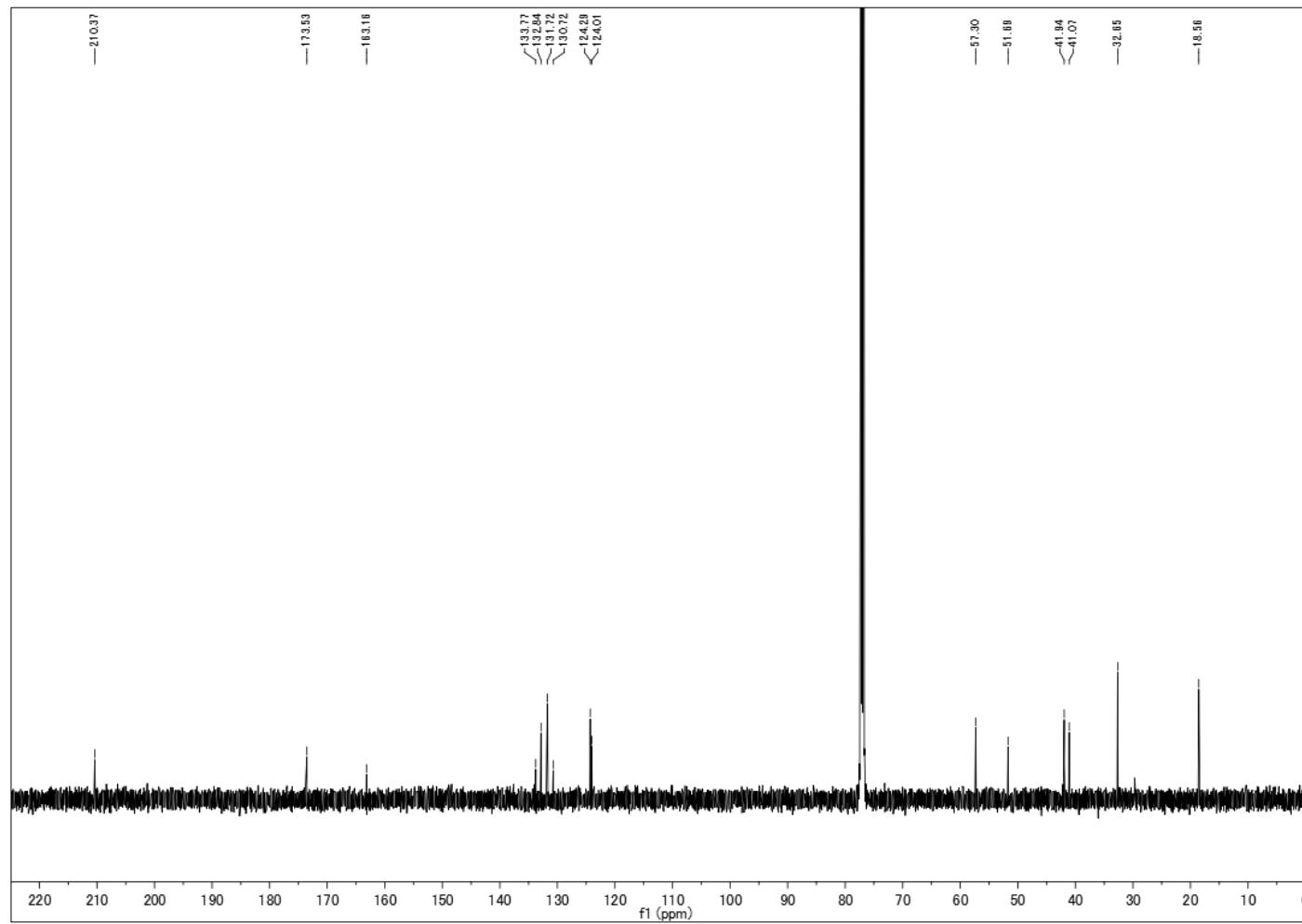


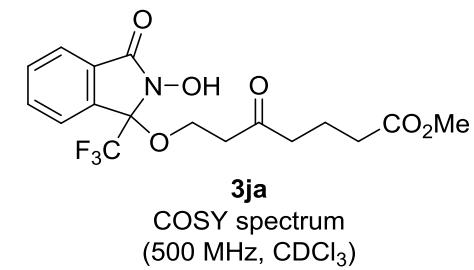
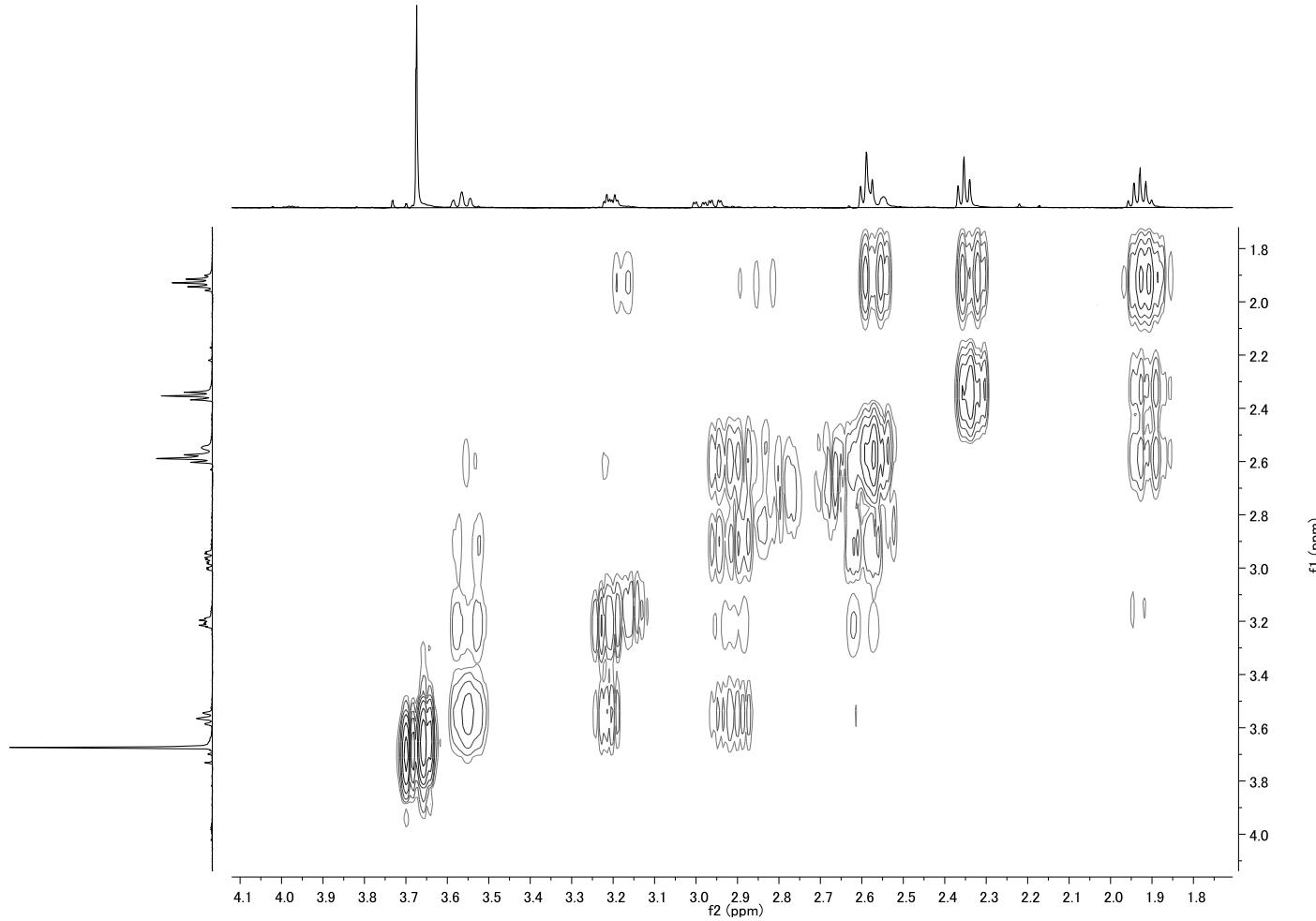
¹³C NMR spectrum
(126 MHz, CDCl₃)

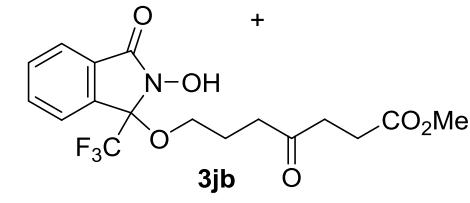
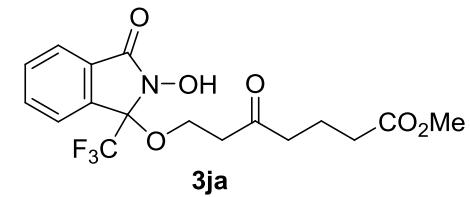
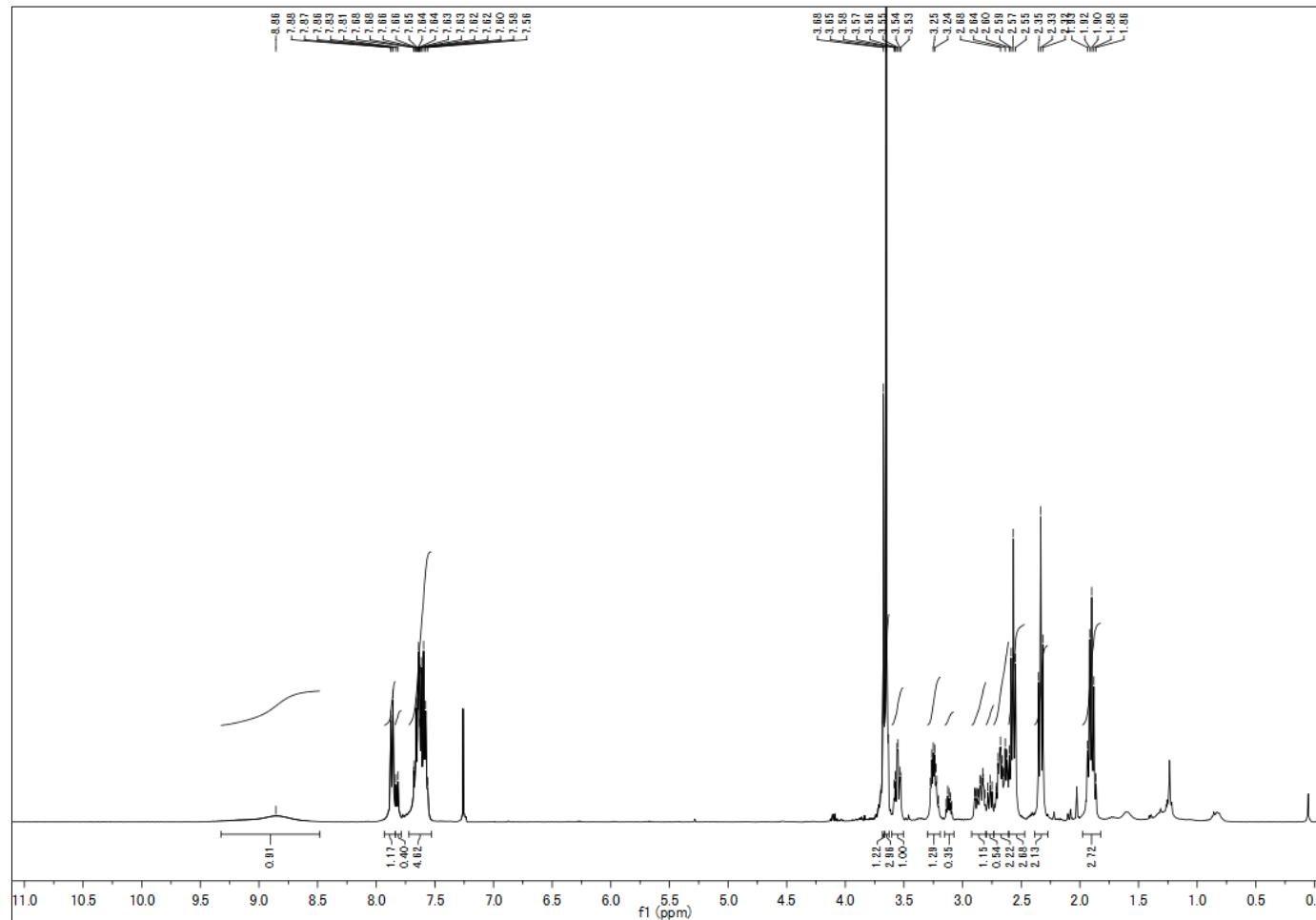


3i
COSY spectrum
(392 MHz, CDCl₃)

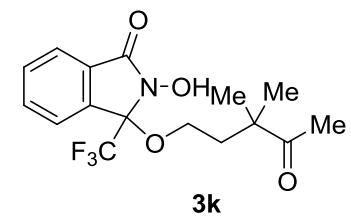
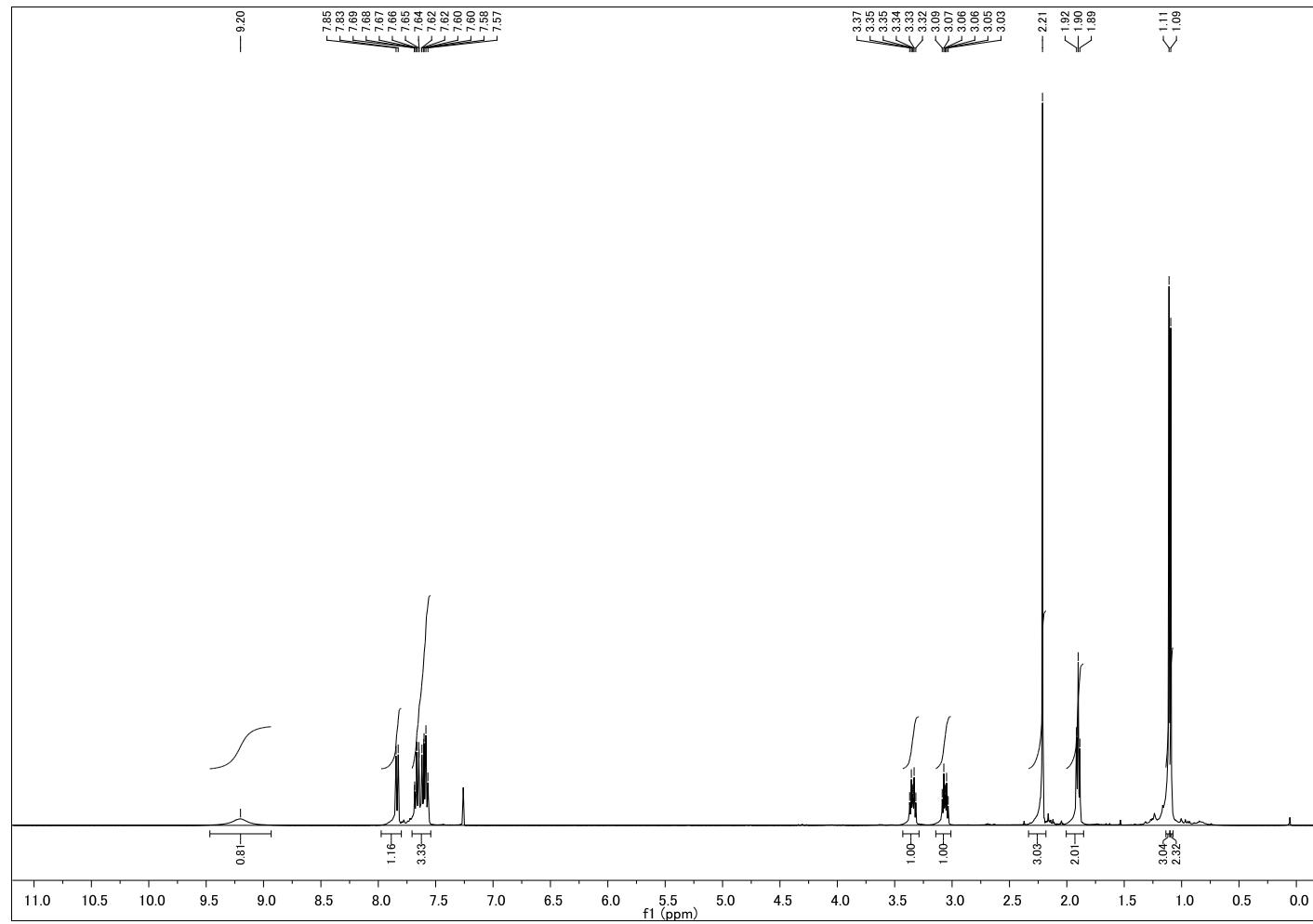


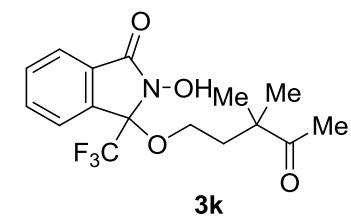
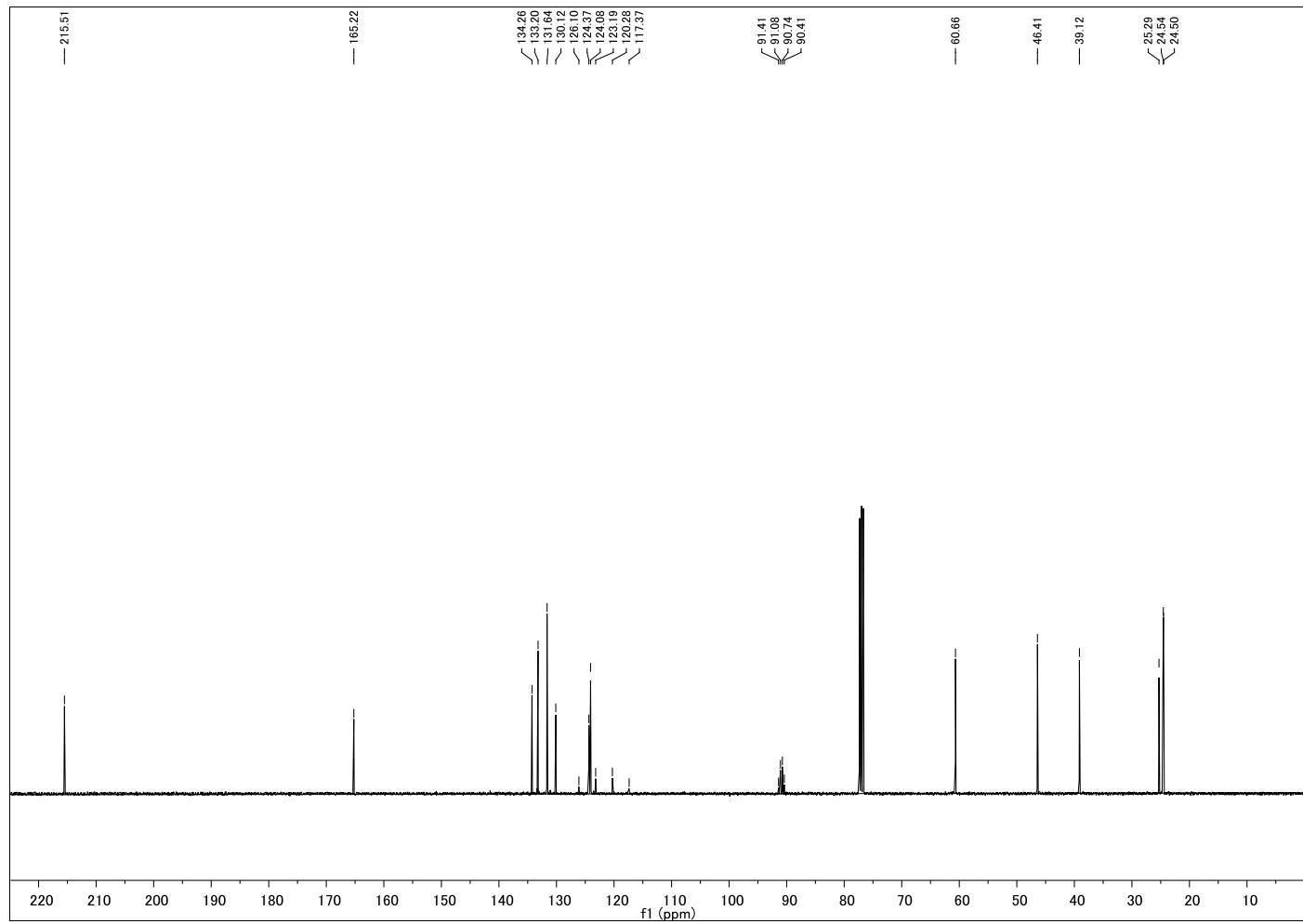




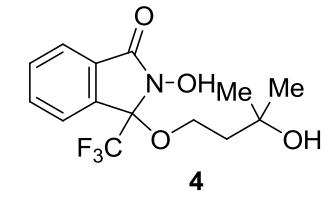
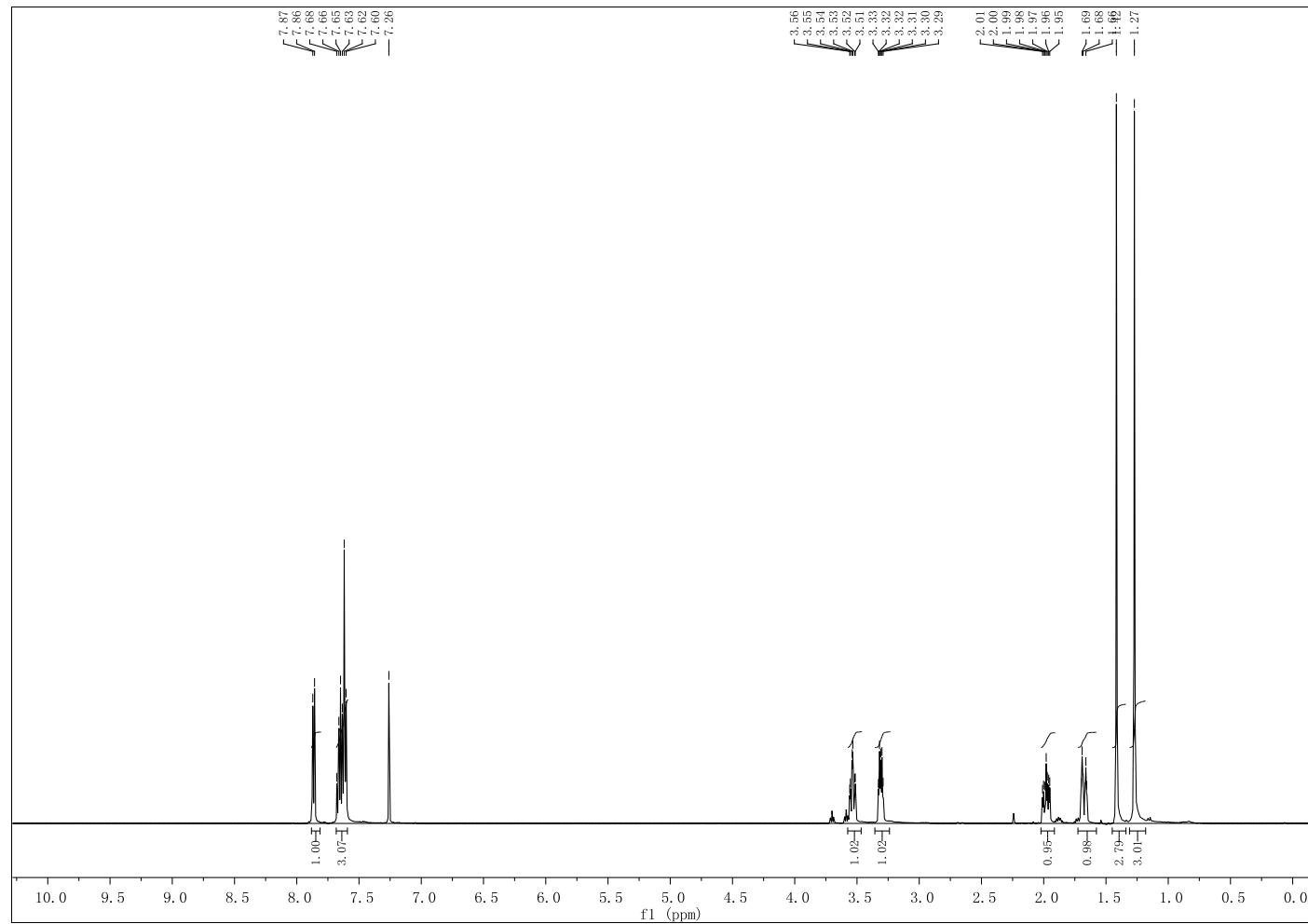


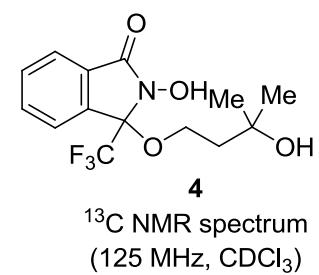
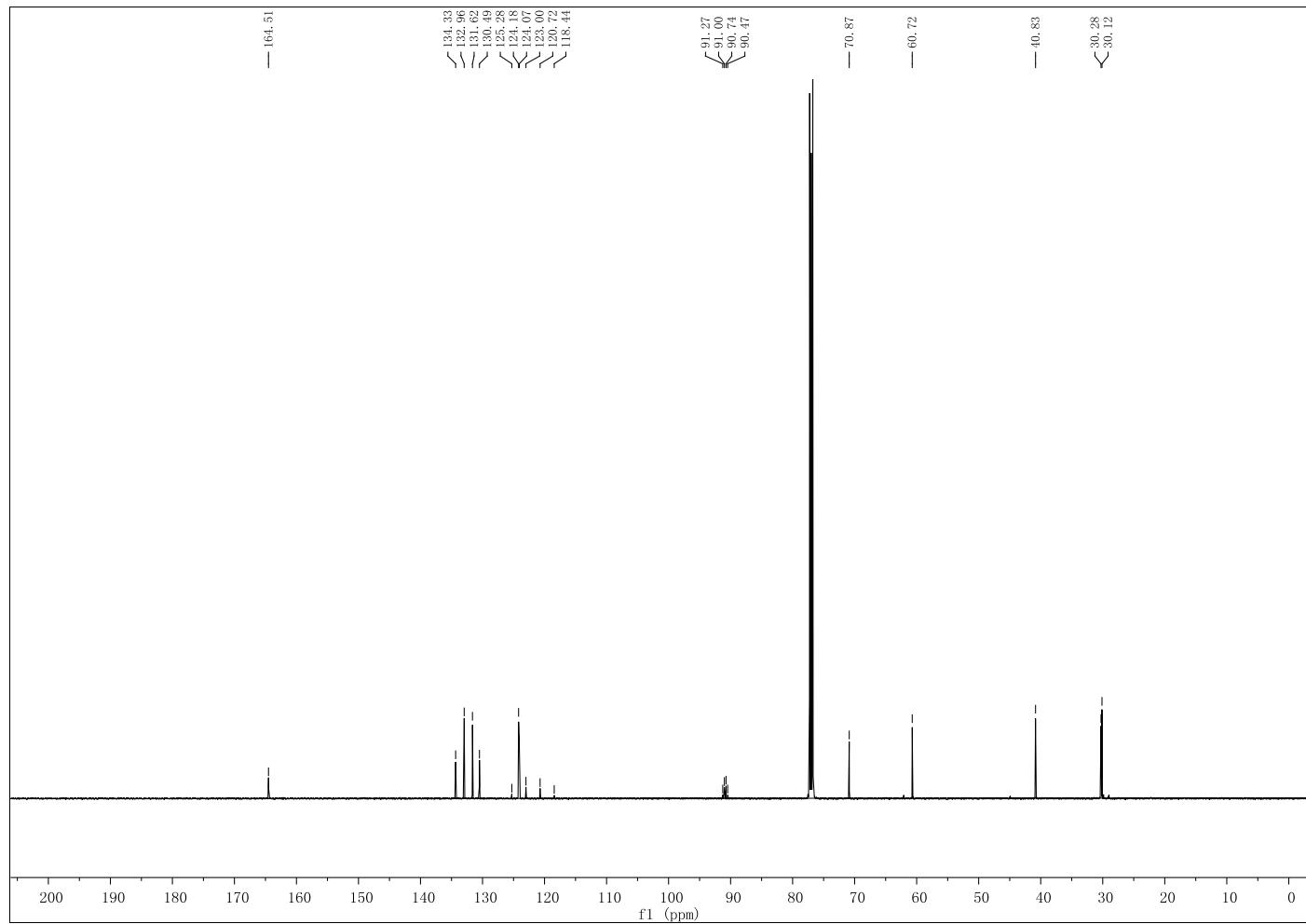
mixture of **3ja** and **3 jb**
 ^1H NMR spectrum
 (392 MHz, CDCl_3)

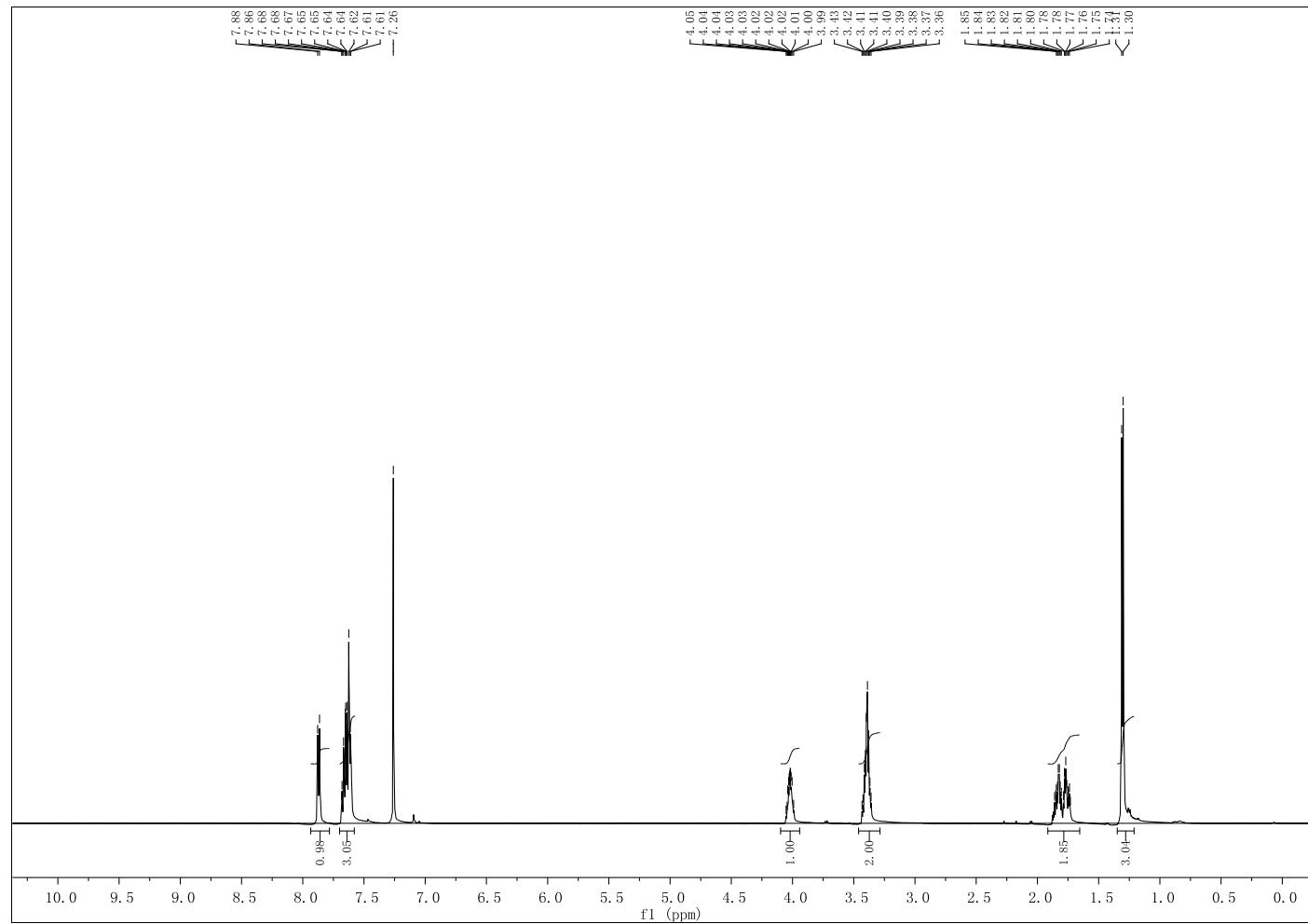




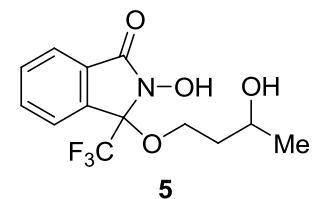
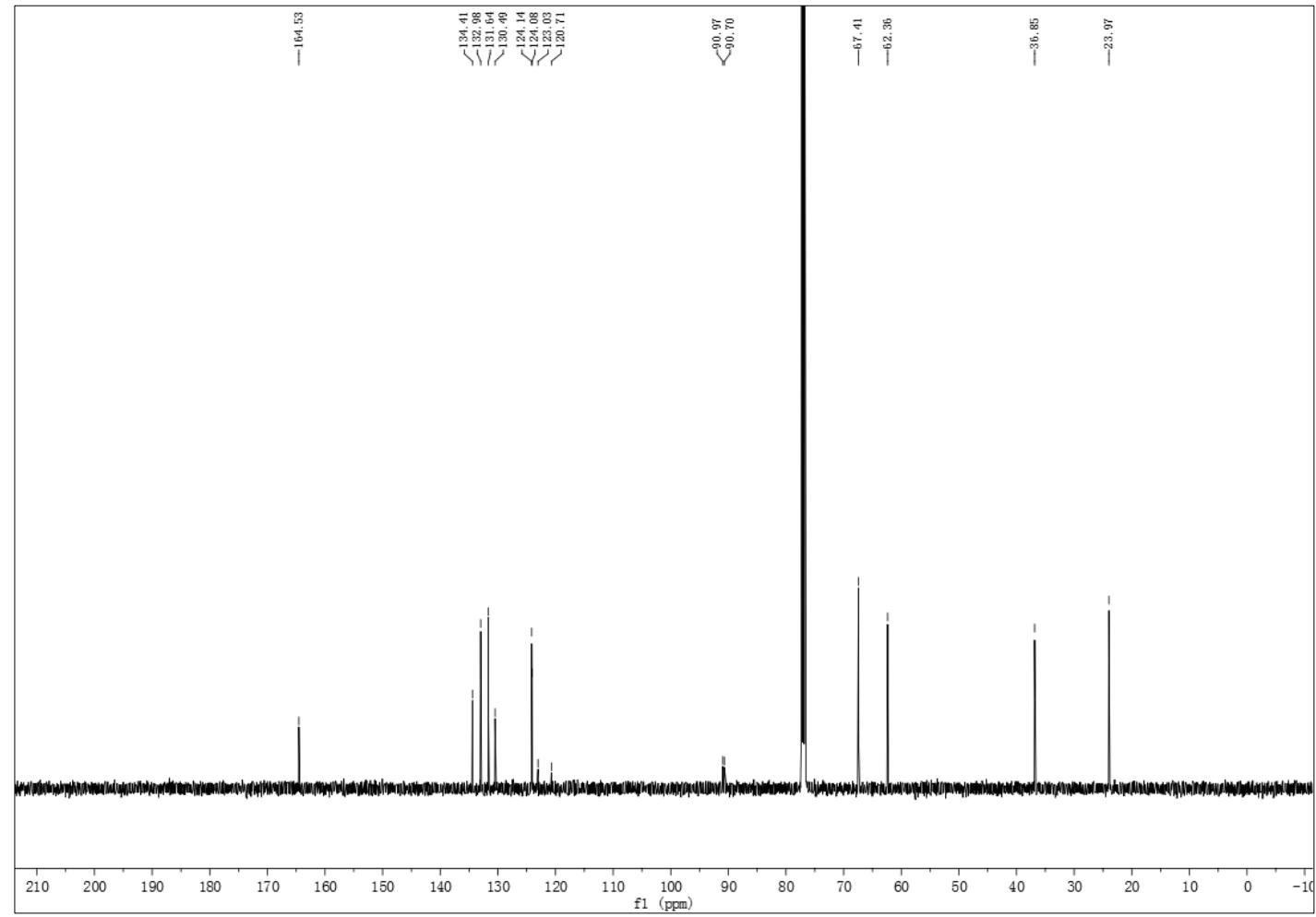
3k
¹³C NMR spectrum
(99 MHz, CDCl₃)



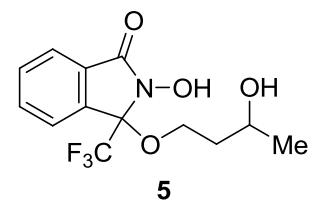
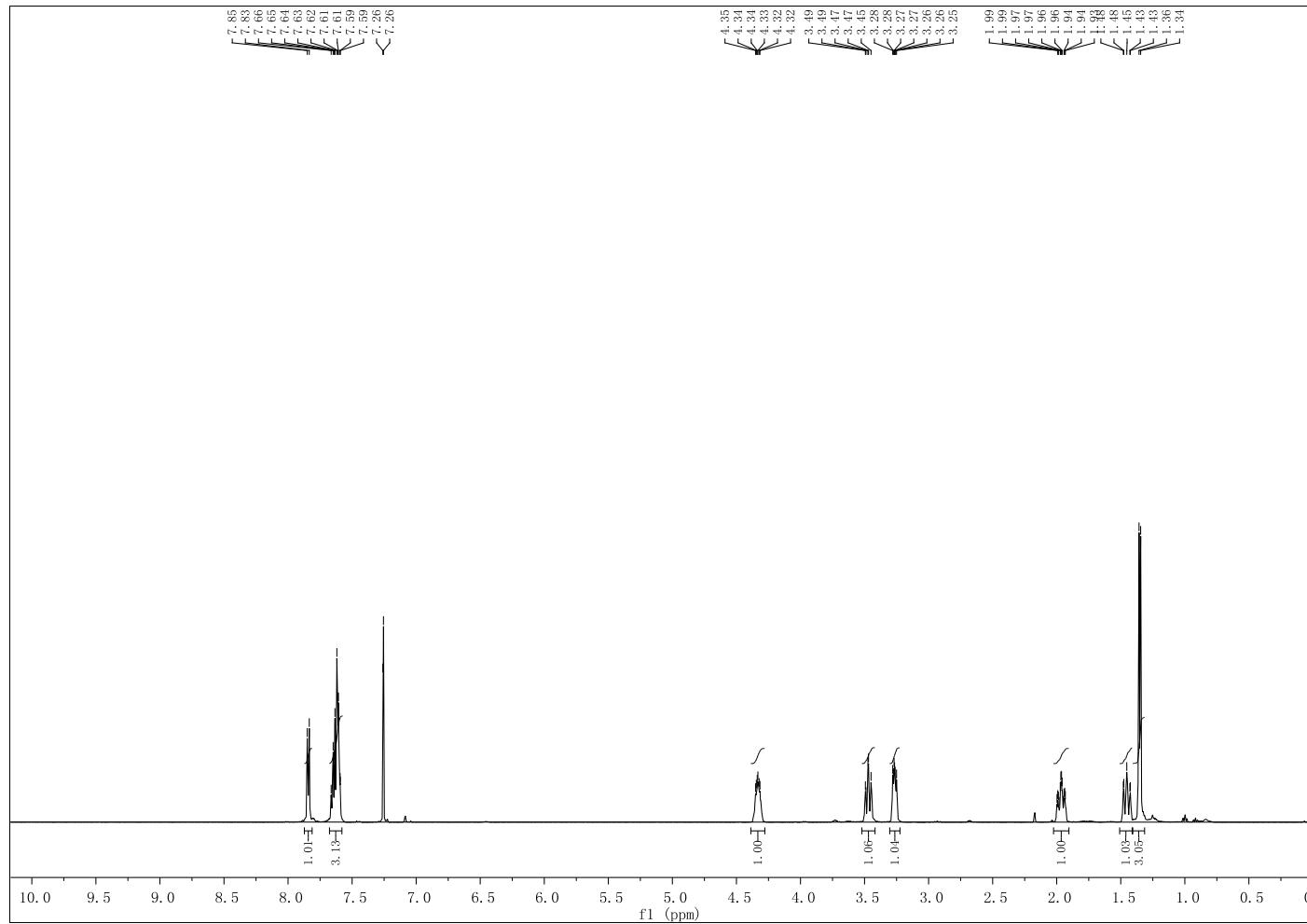




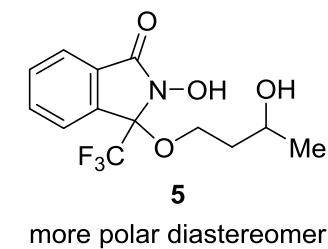
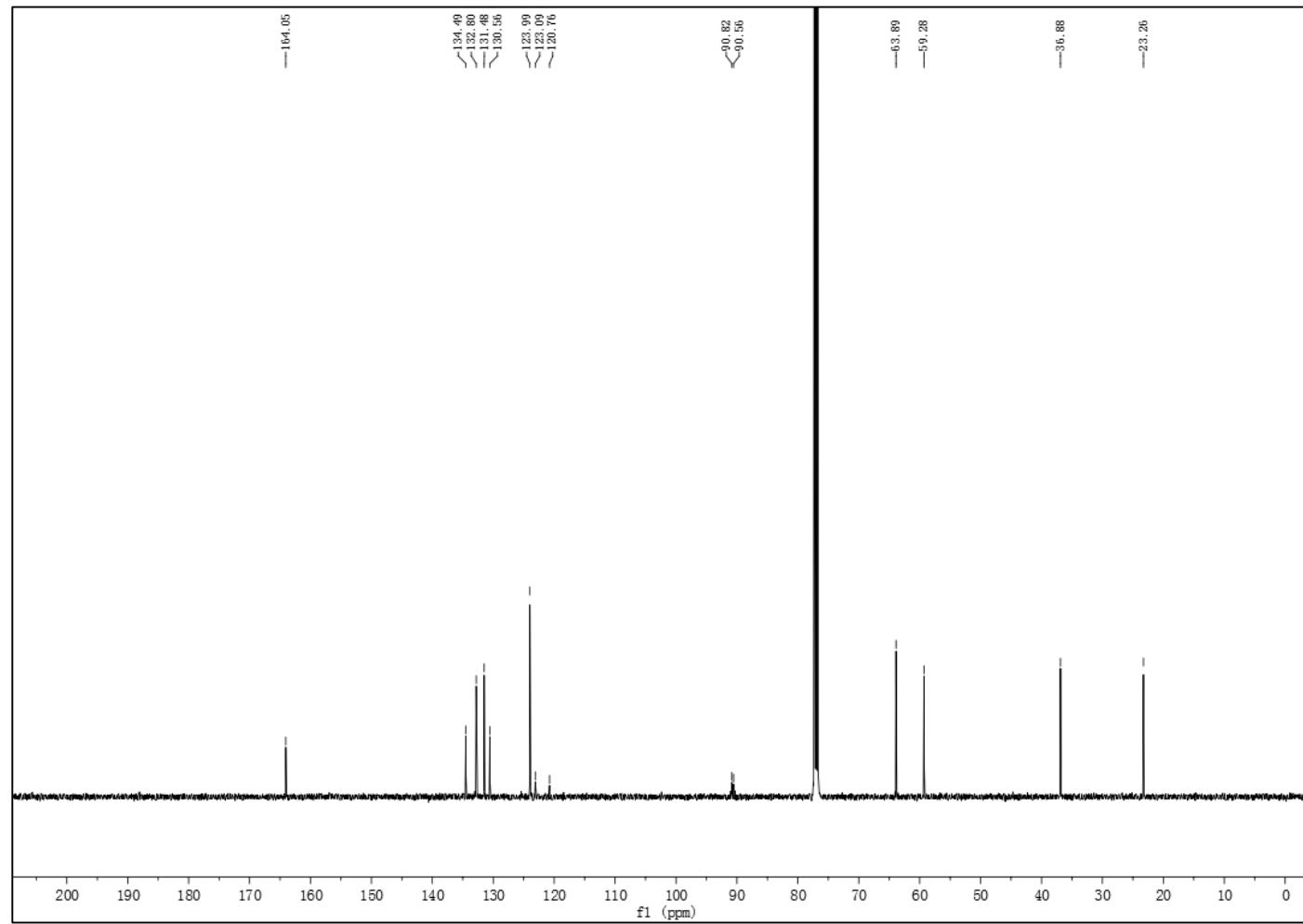
¹H NMR spectrum
(500 MHz, CDCl₃)



¹³C NMR spectrum
(125 MHz, CDCl₃)



¹H NMR spectrum
(500 MHz, CDCl₃)



¹H NMR spectrum
(125 MHz, CDCl₃)