

Supplementary Material

A facile regio- and stereoselective synthesis of *trans*-ethyl 5-aryloxy-4-aryl-4-aryl-2-[(arylsulfonyl)methyl]-4,5-dihydro-3-furan carboxylates

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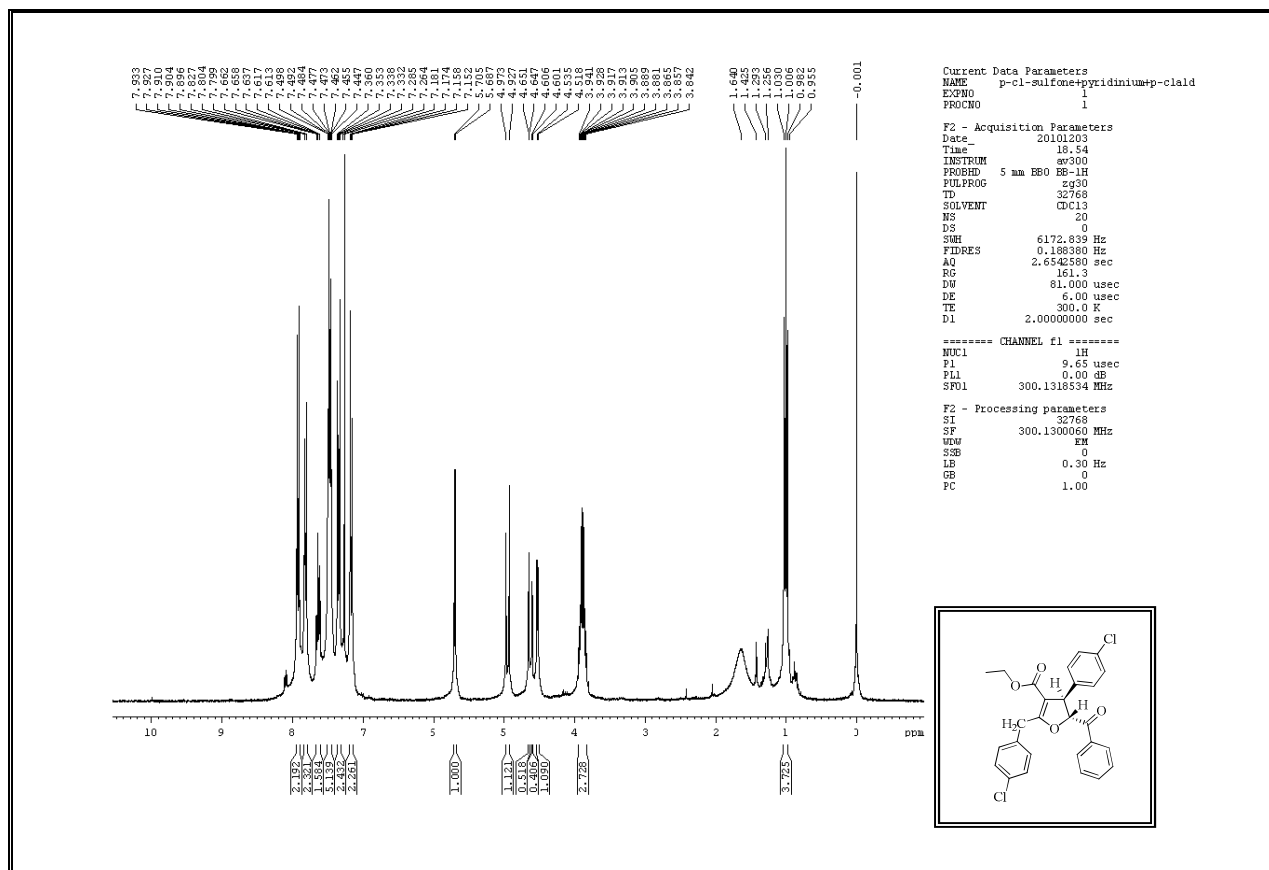
^b*Department of Chemistry, College of Science, King Saud University, PO Box 2455, Riyadh 11451, Saudi Arabia*

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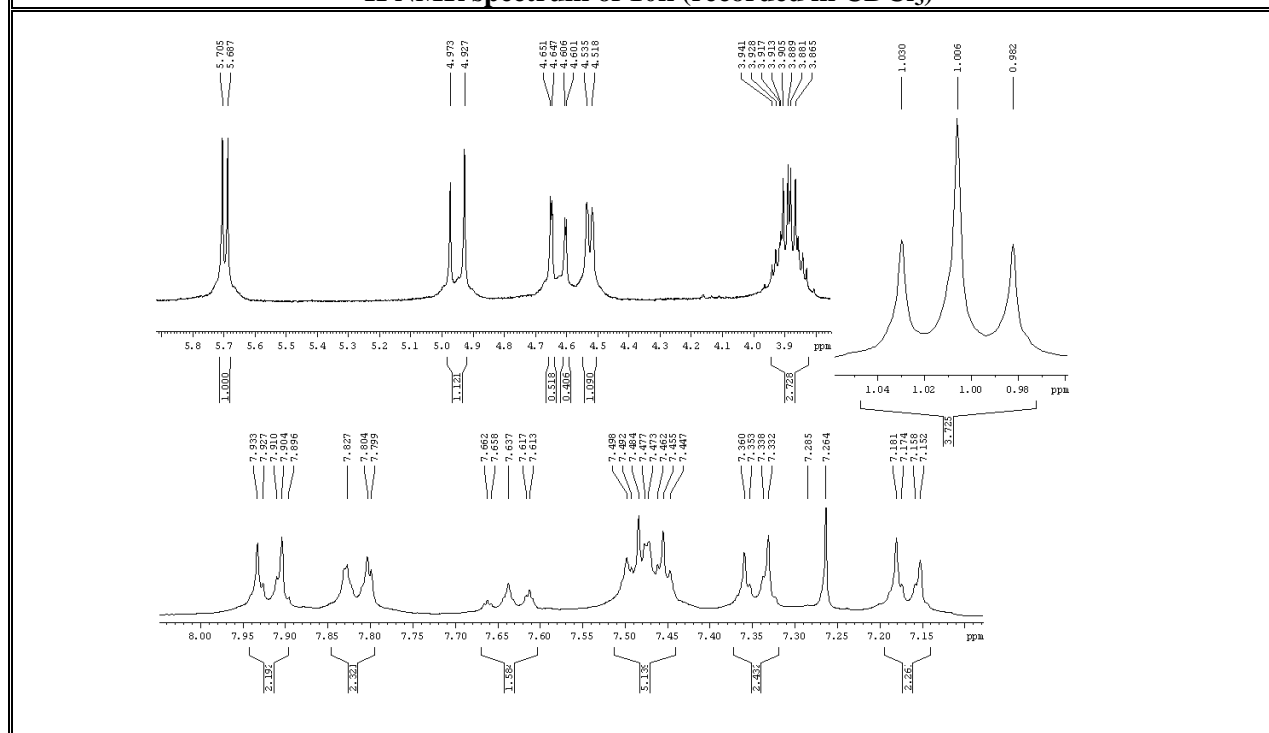
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NMR of 10a – 10p

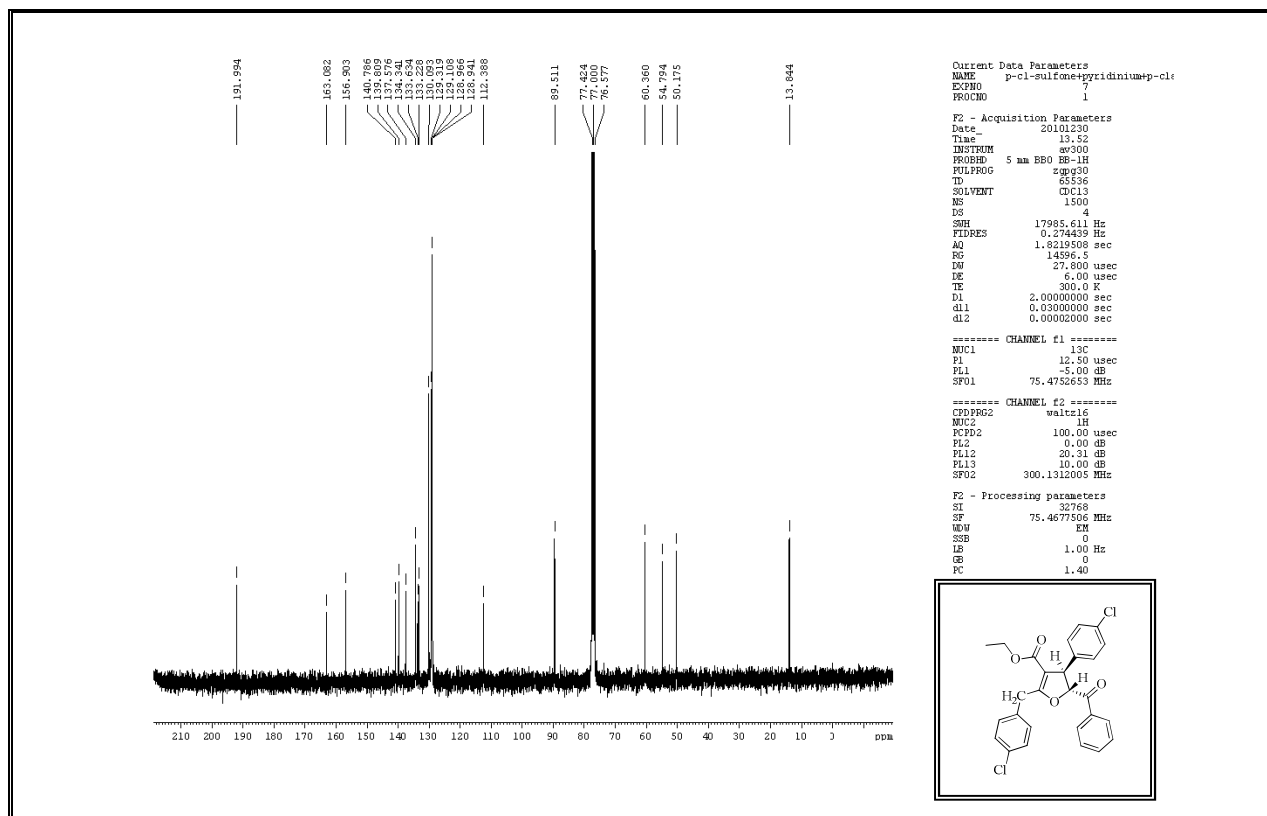
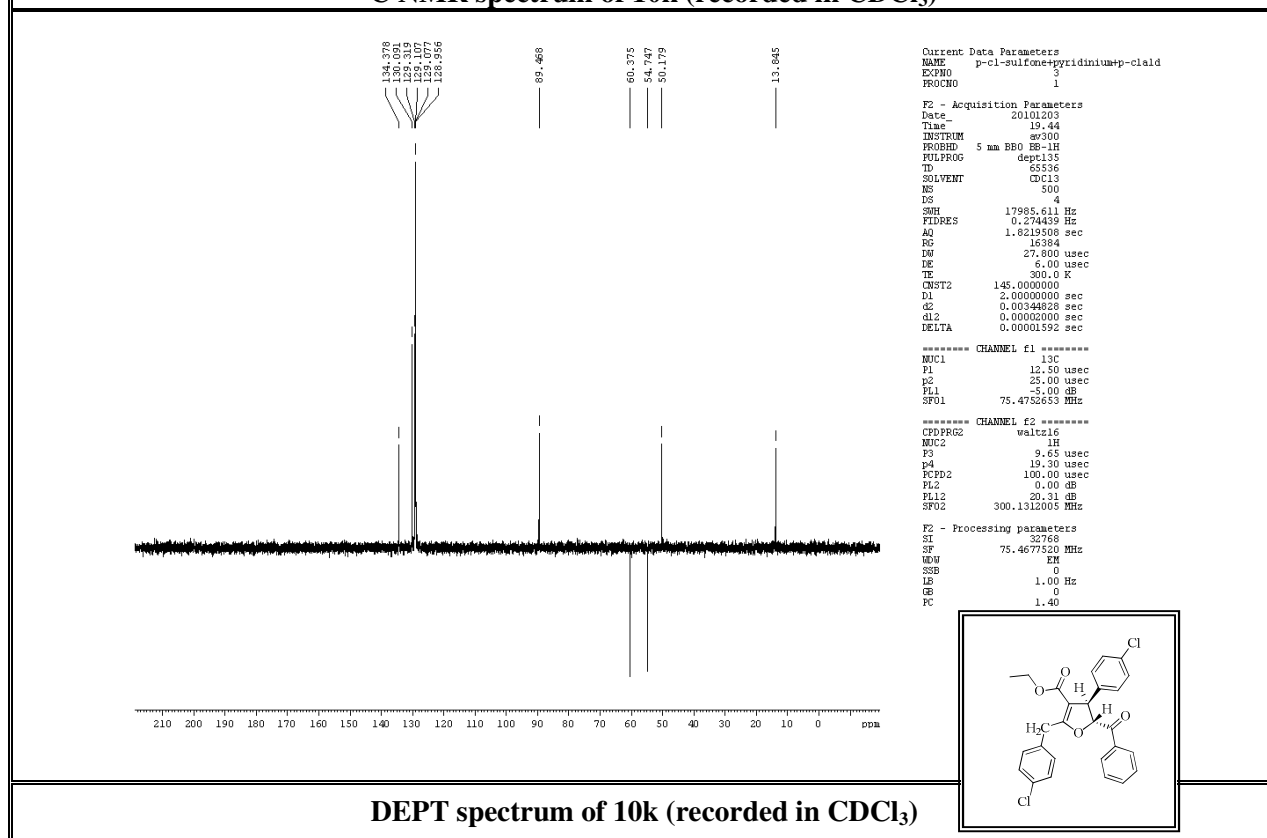
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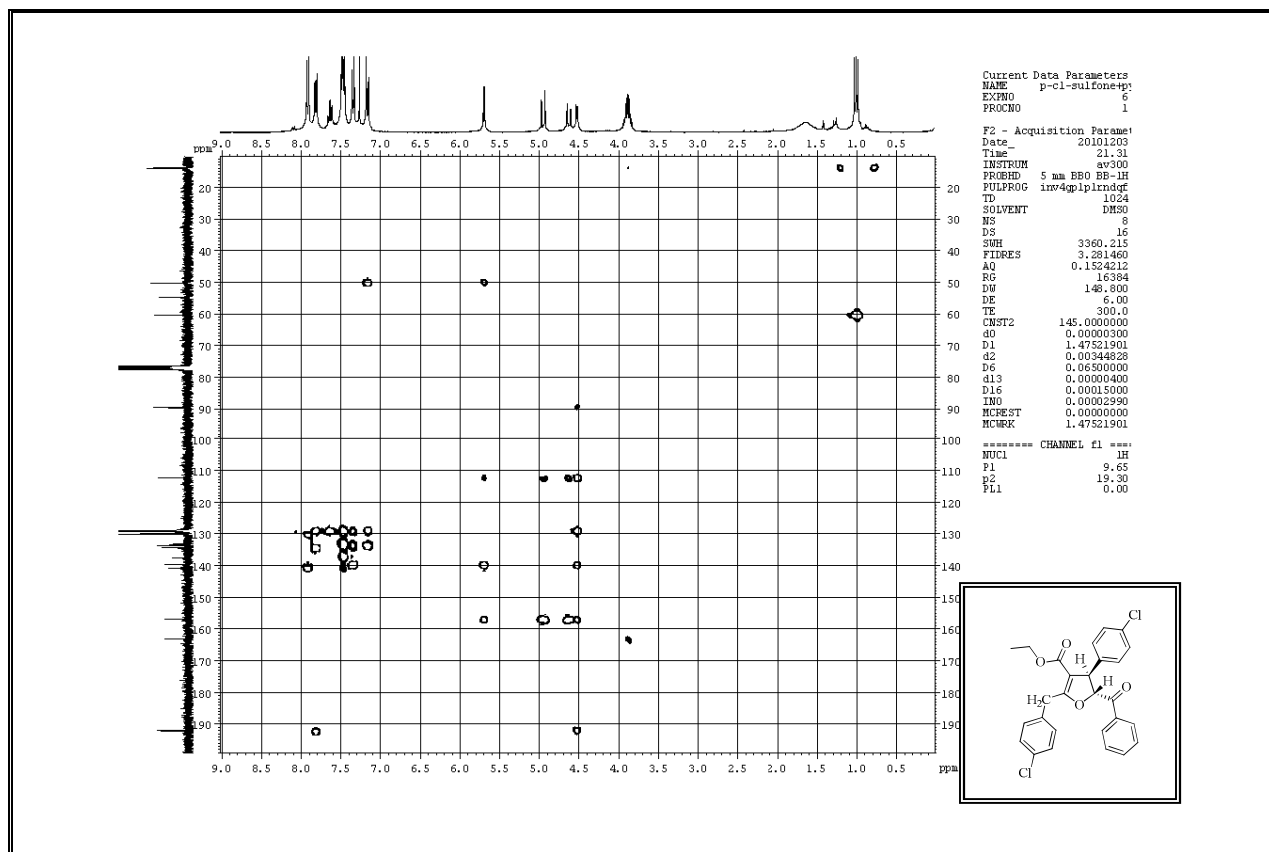


¹H NMR spectrum of 10k (recorded in CDCl₃)

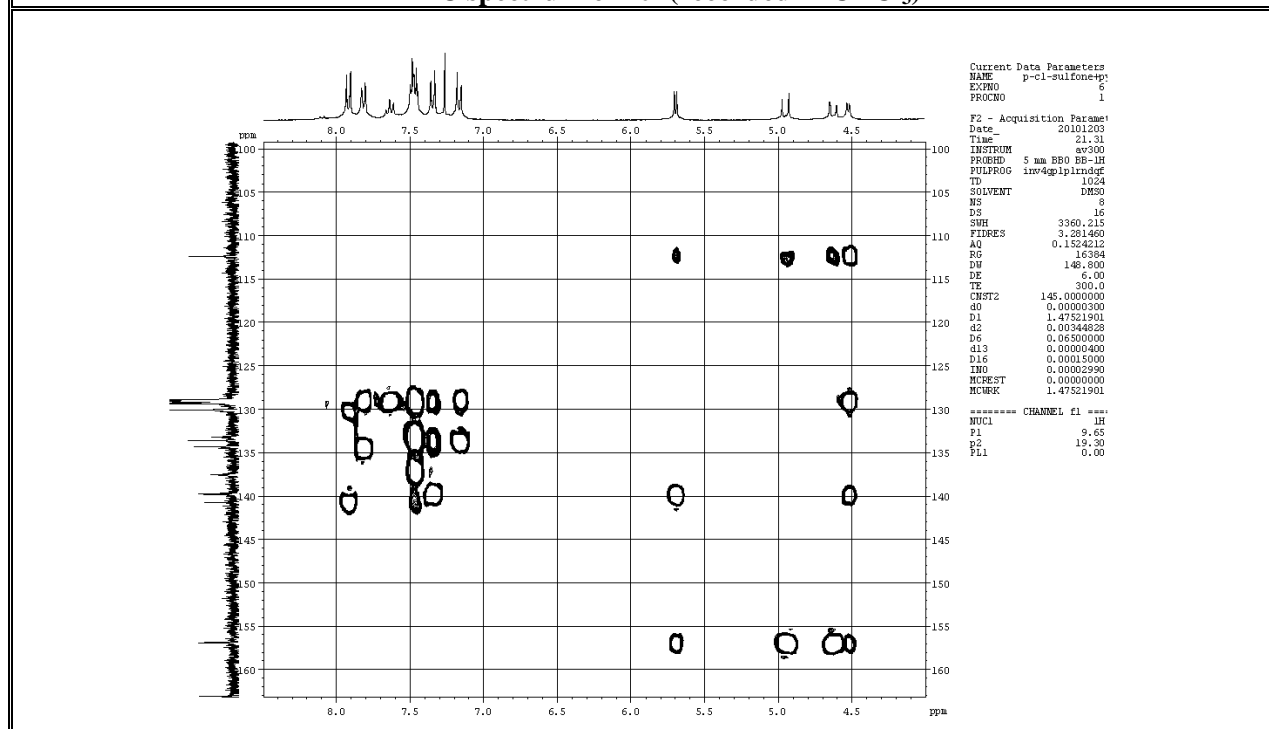


¹H NMR spectrum of 10k (expanded)

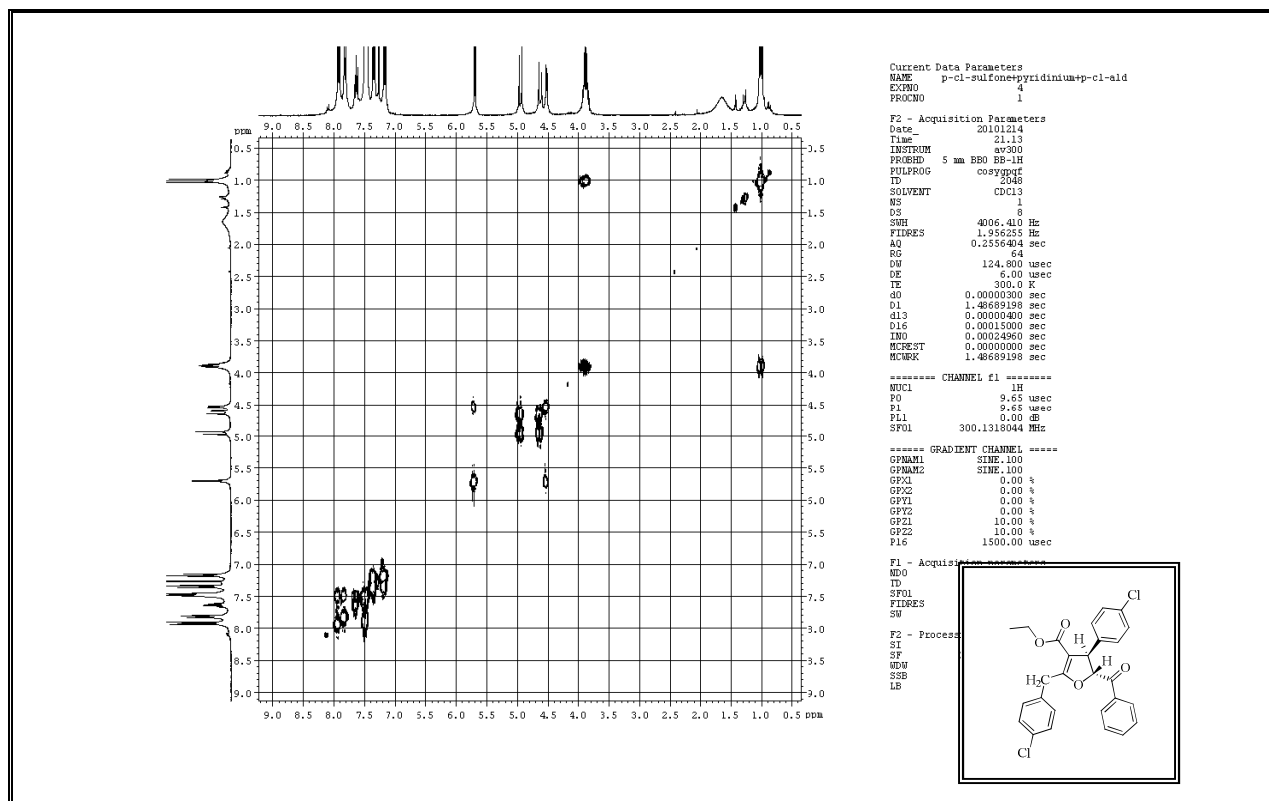
¹³C NMR spectrum of 10k (recorded in CDCl₃)DEPT spectrum of 10k (recorded in CDCl₃)



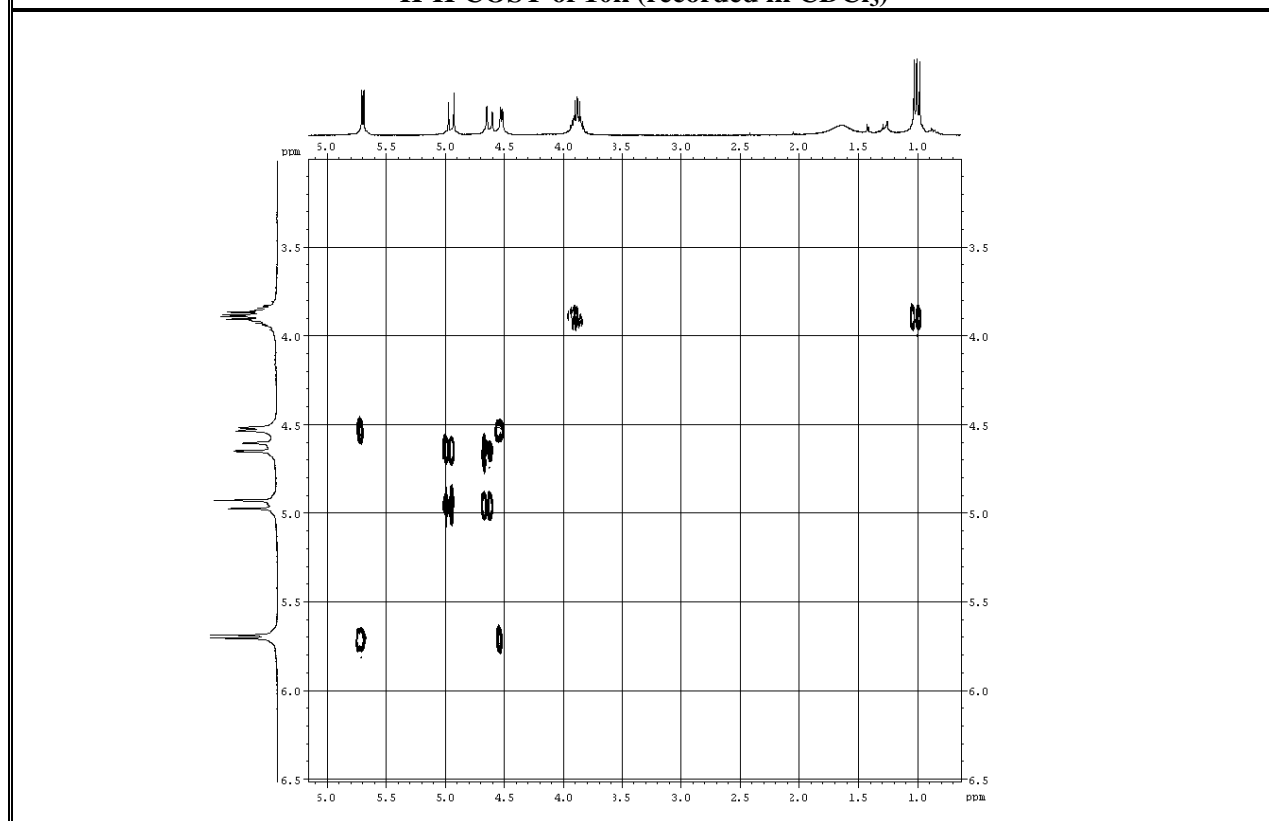
HMBC spectrum of 10k(recorded in CDCl₃)



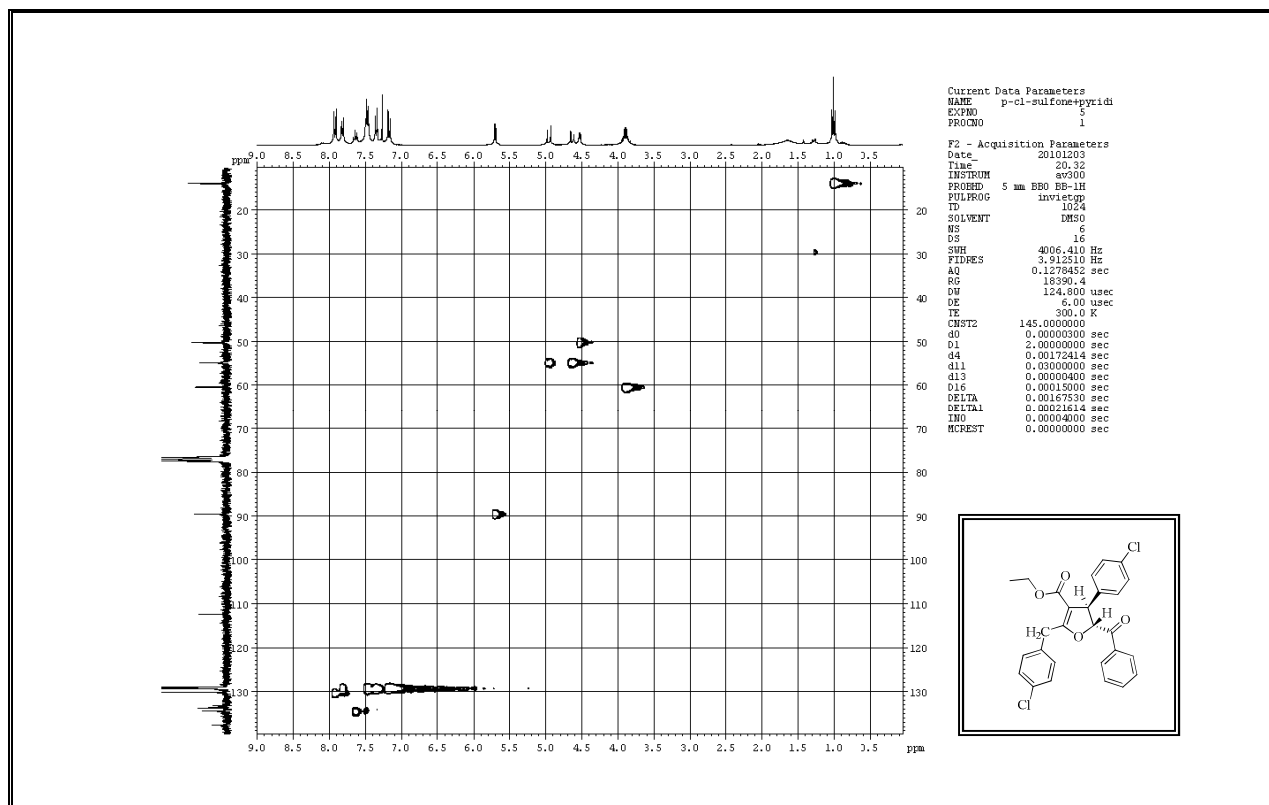
HMBC spectrum of 10k (expanded)



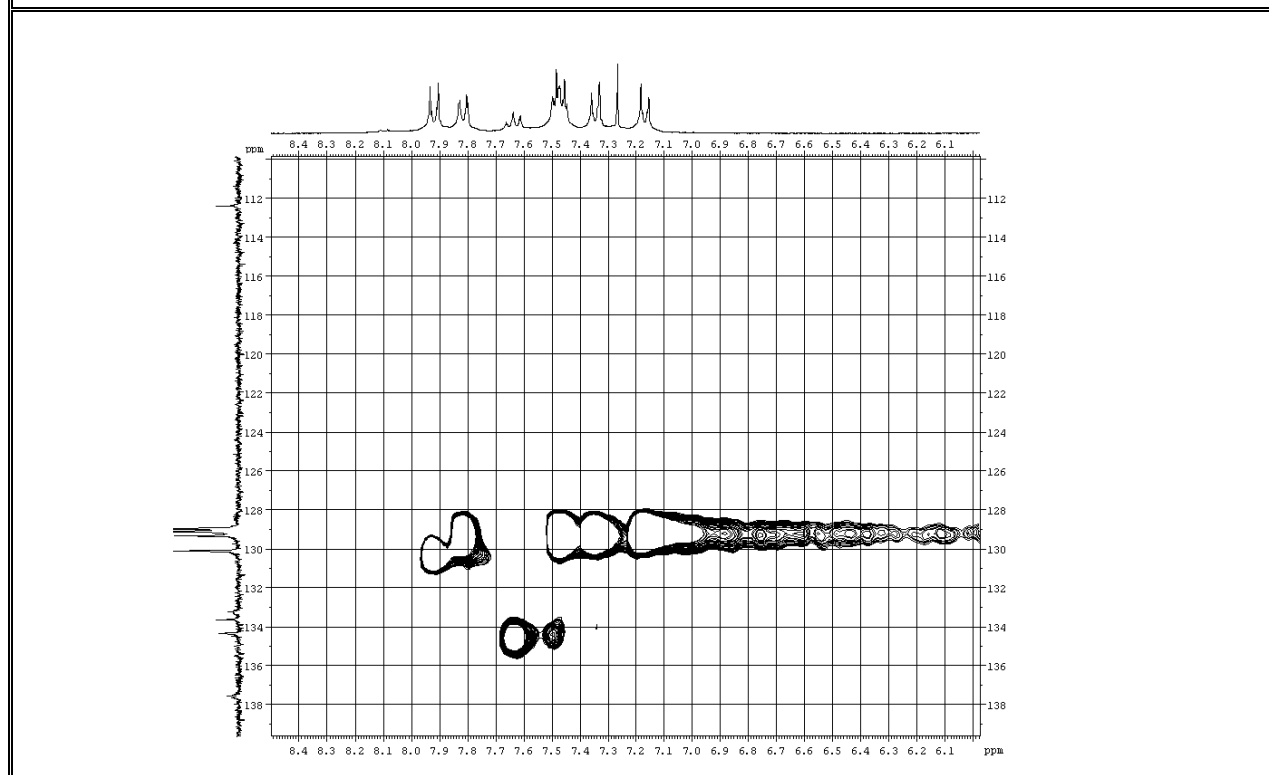
H-H COSY of 10k (recorded in CDCl₃)



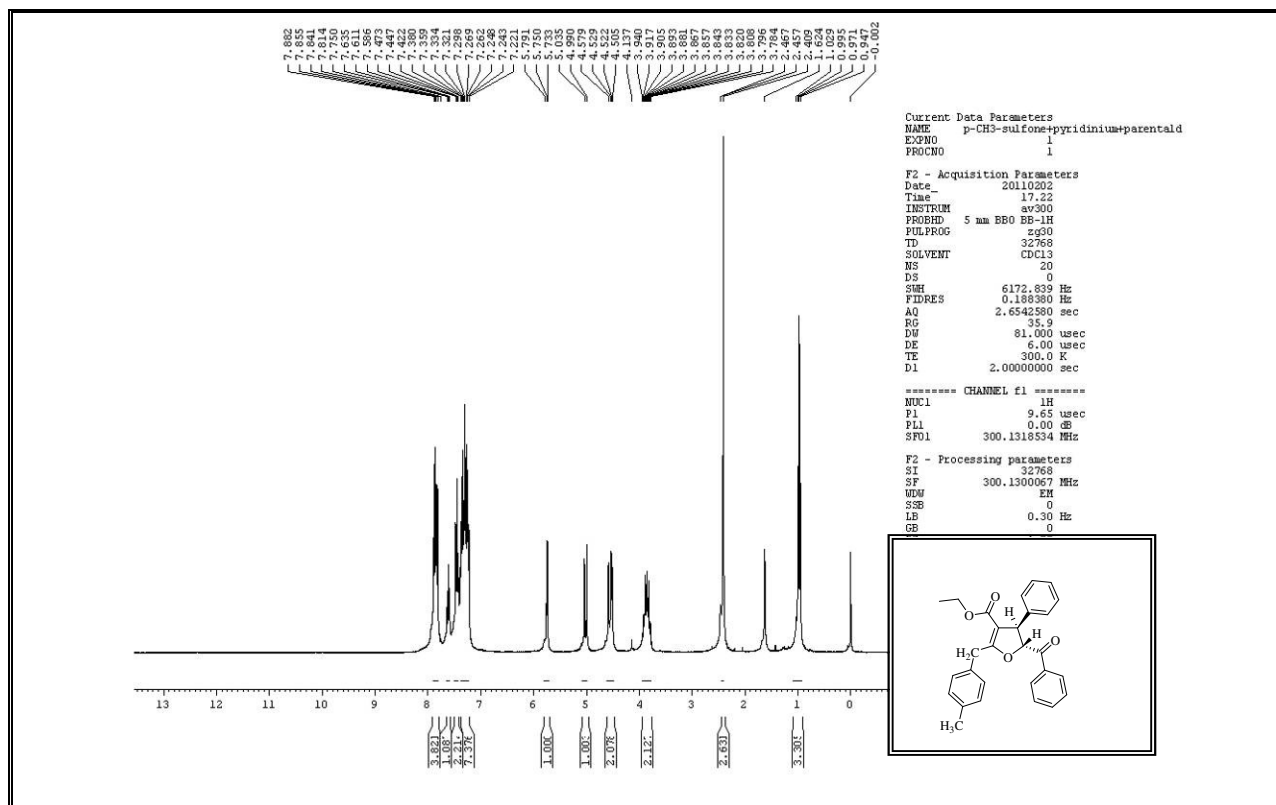
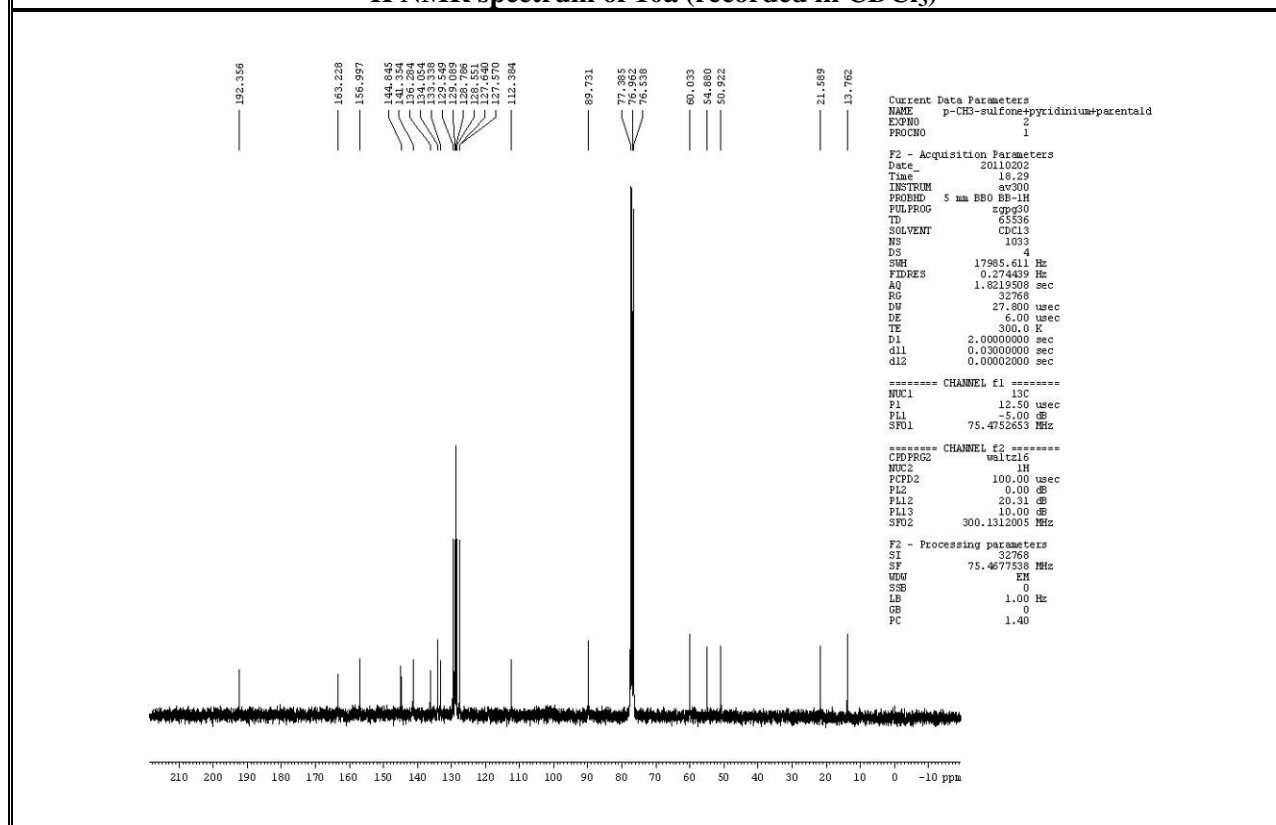
H,H-COSY spectrum of 10k (expanded)

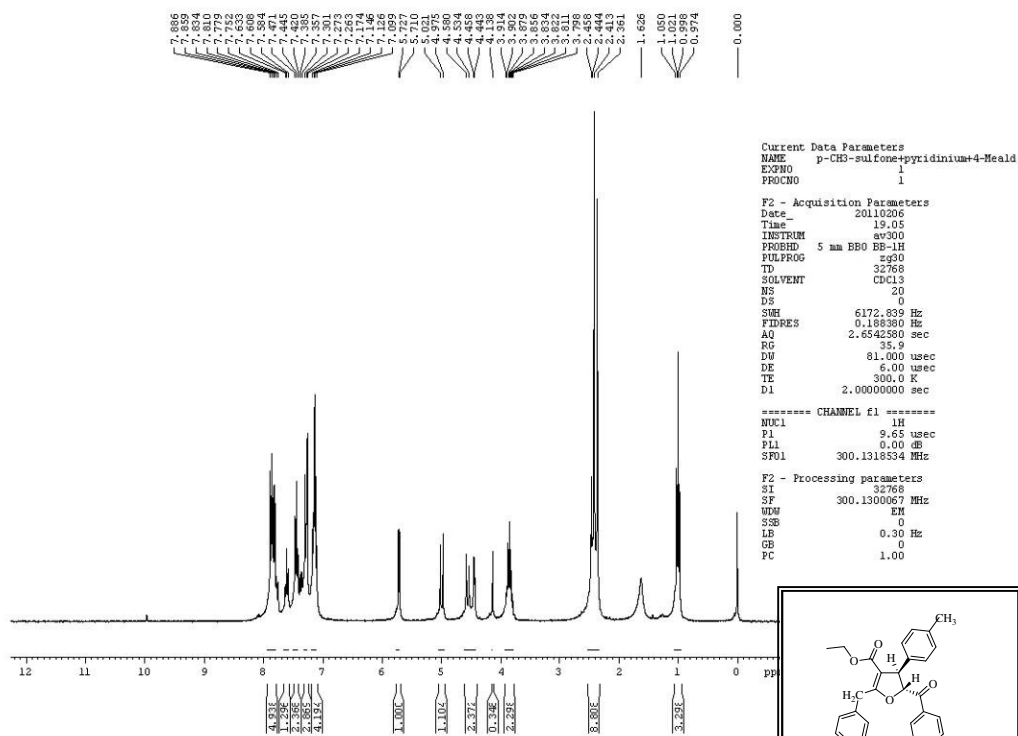
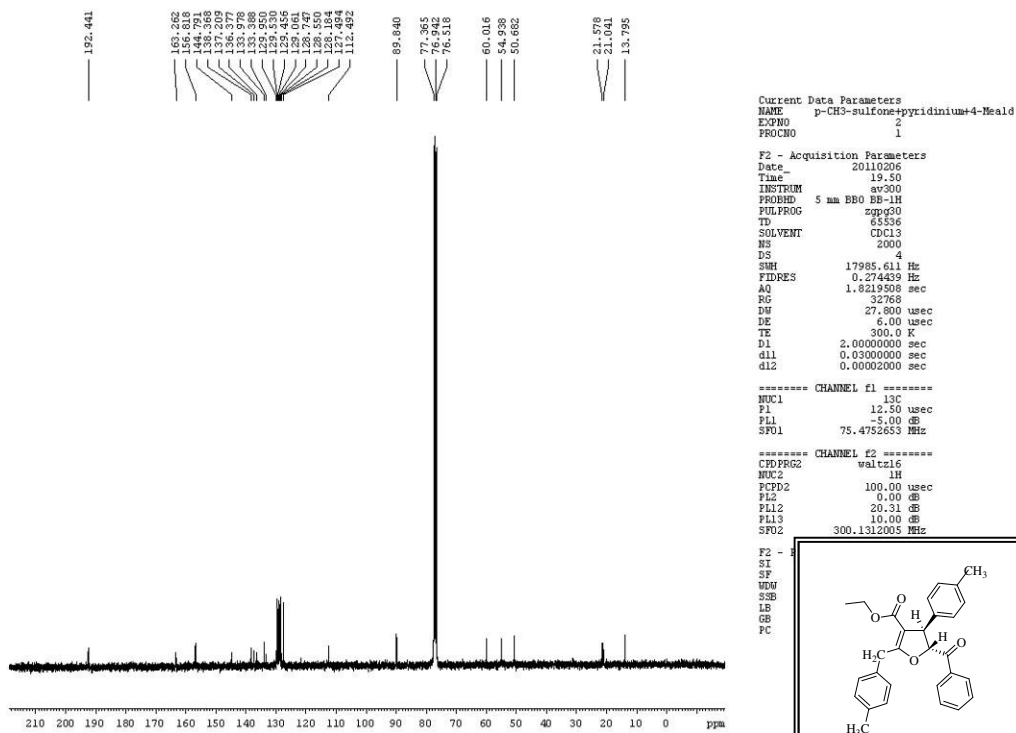


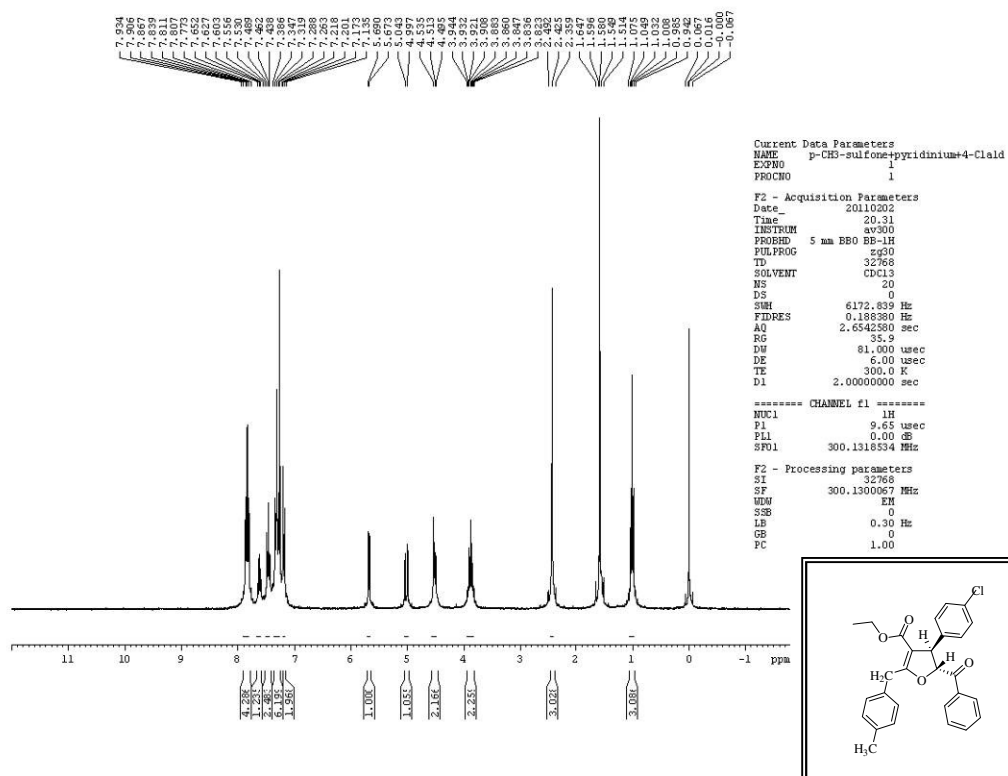
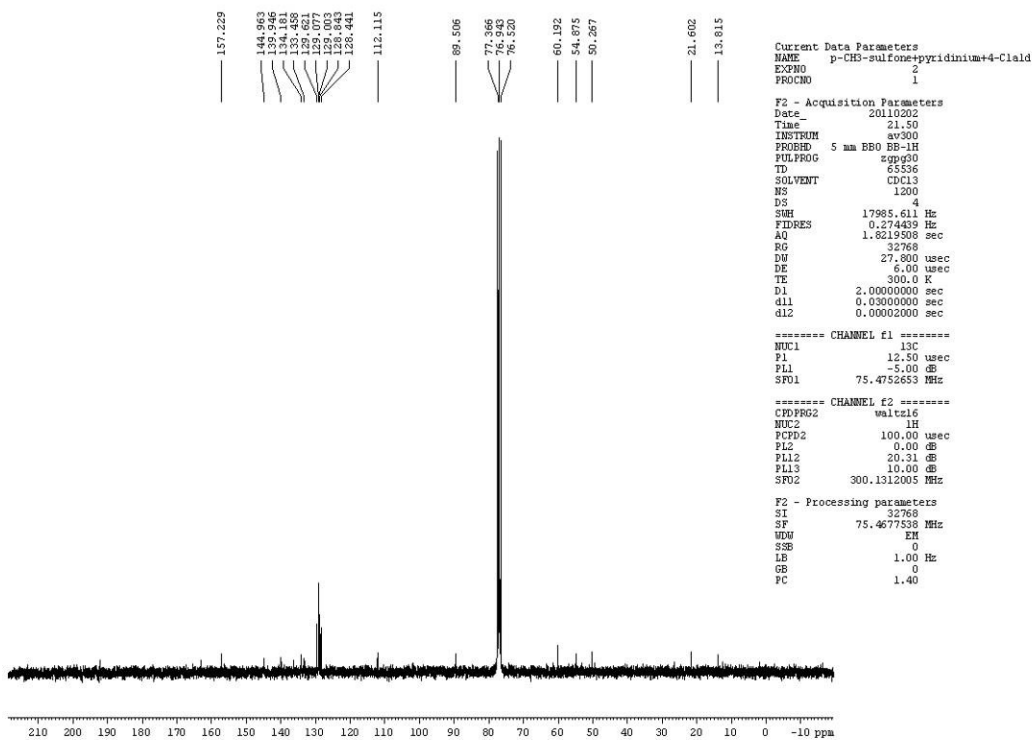
C,H-COSY spectrum of 10k (recorded in CDCl₃)

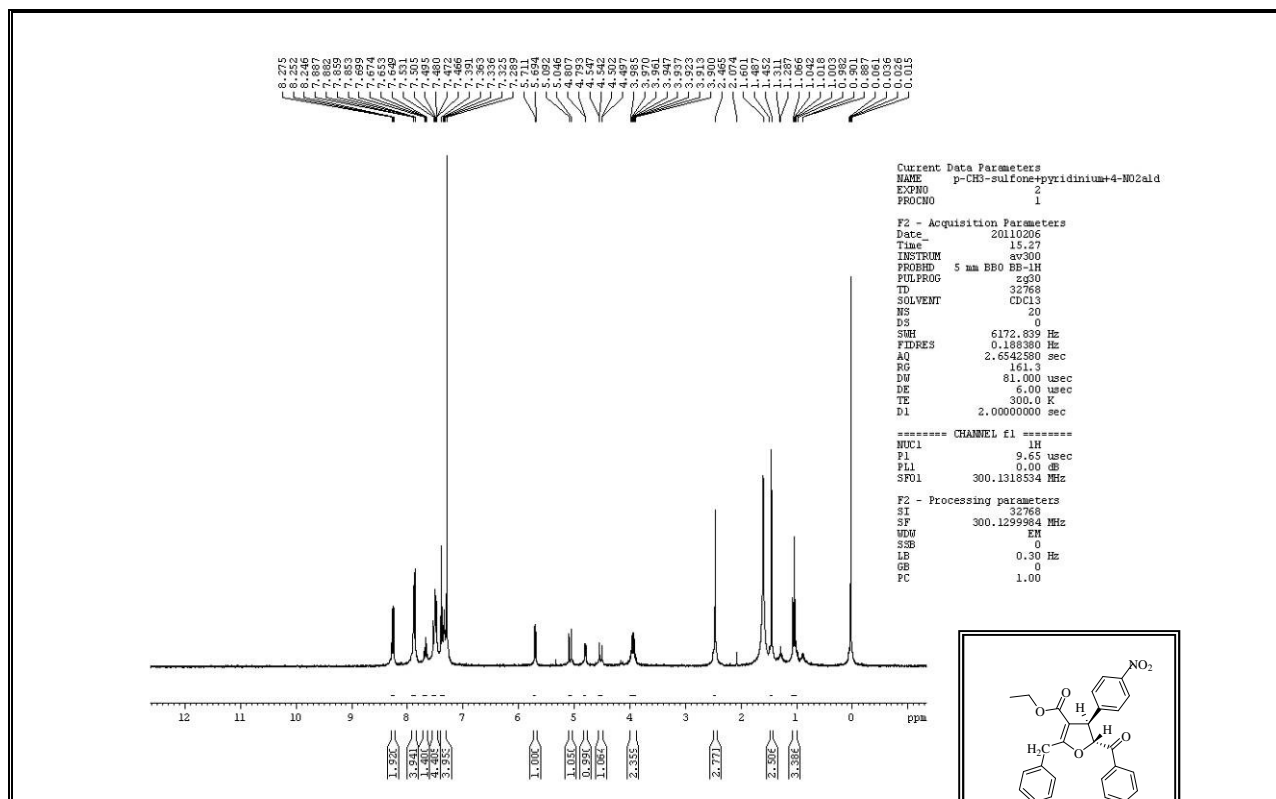


C,H-COSY spectrum of 4k (expanded)

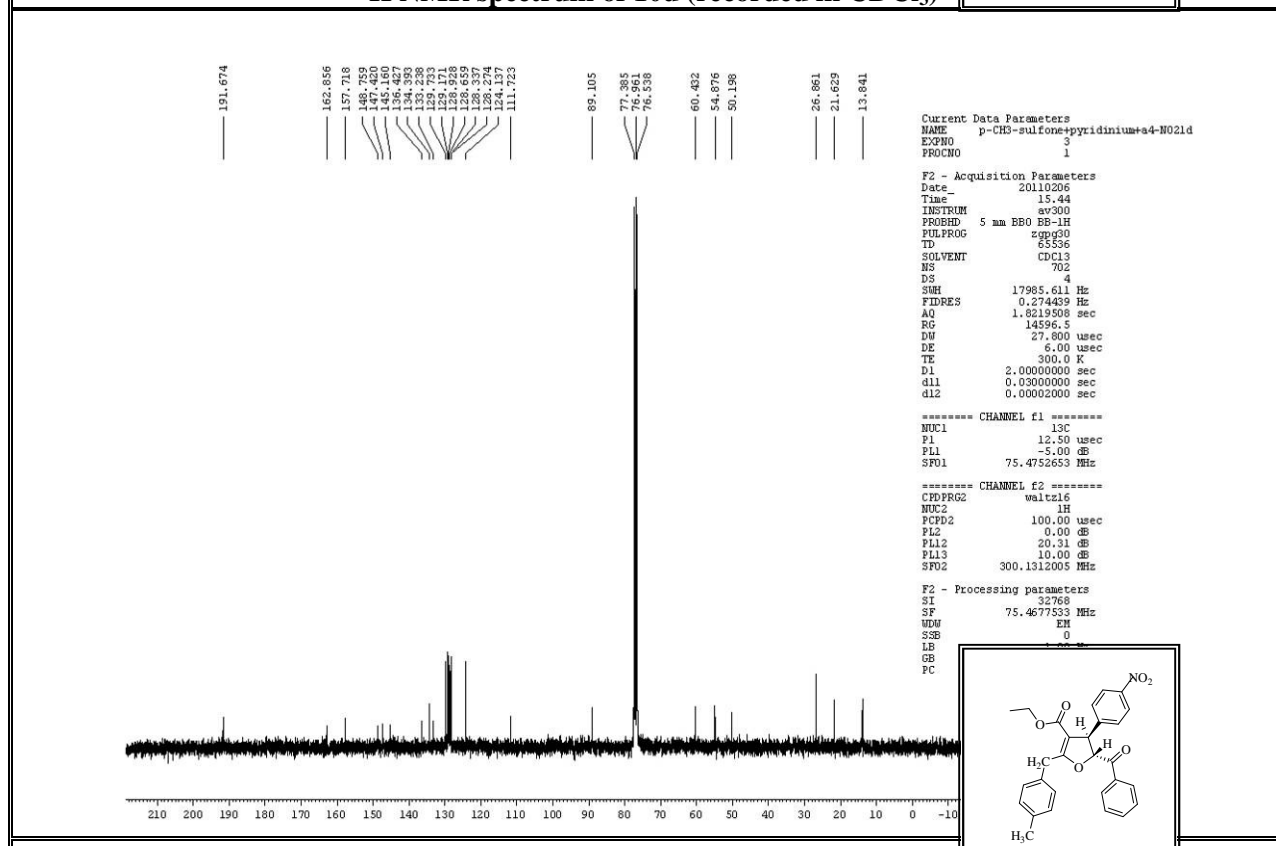
¹H NMR spectrum of 10a (recorded in CDCl₃)¹³C NMR spectrum of 10a

¹H NMR spectrum of 10b (recorded in CDCl₃)¹³C NMR spectrum of 10b

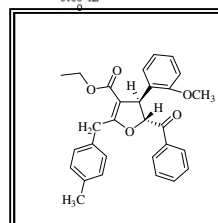
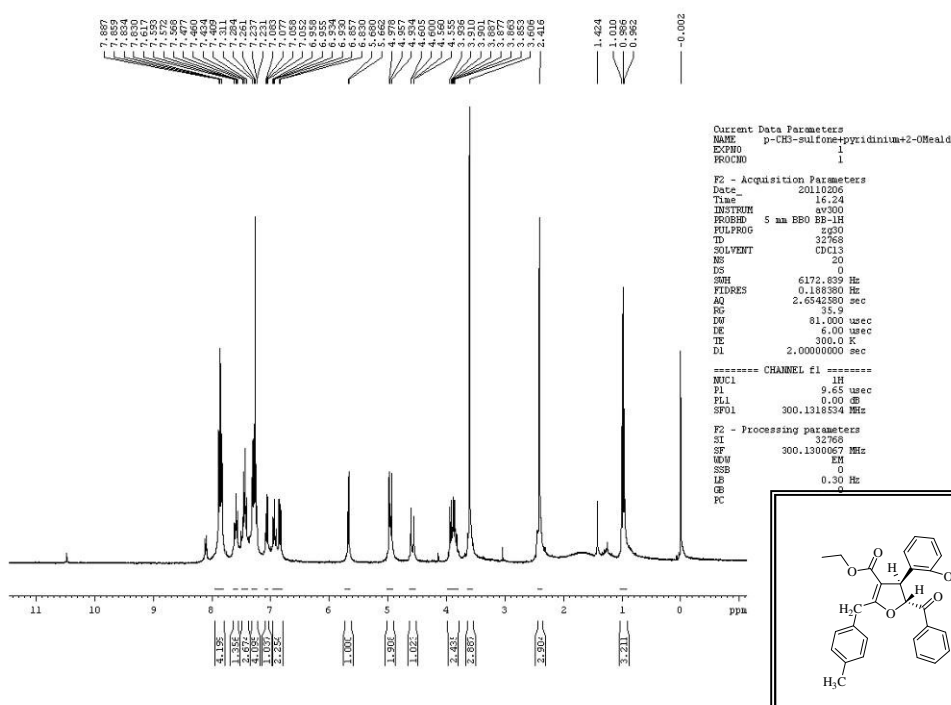
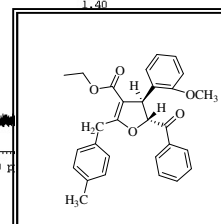
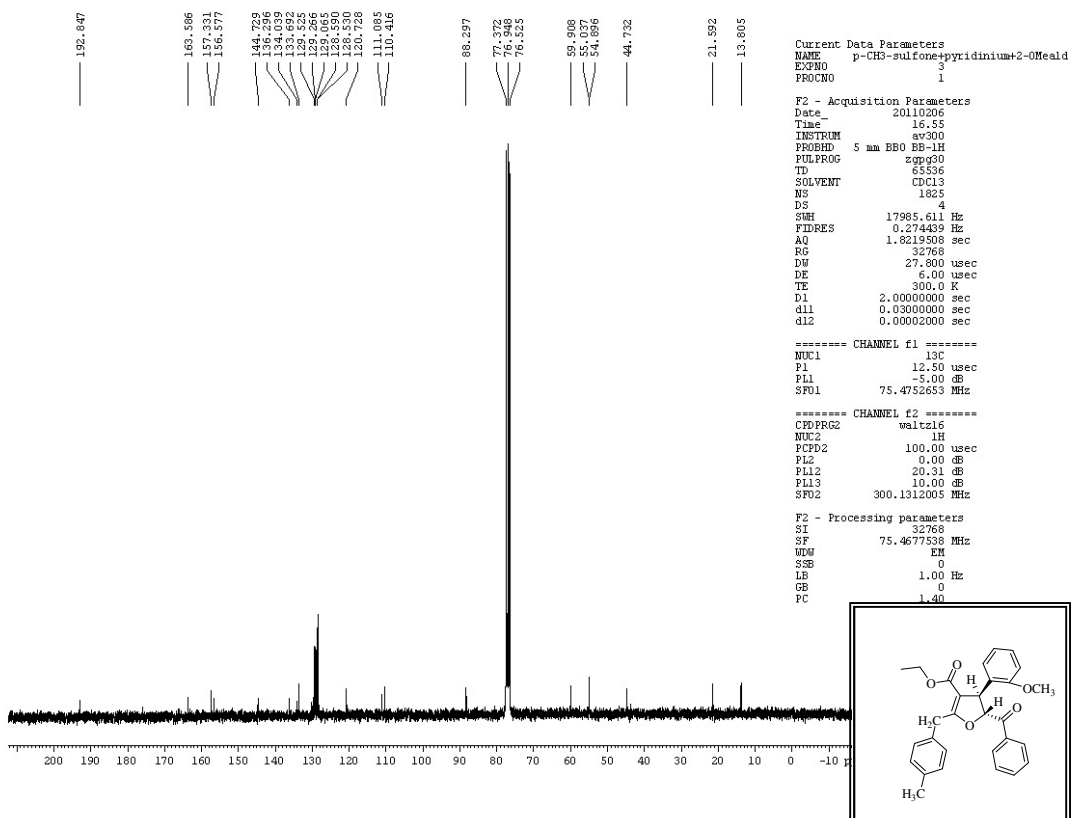
**¹H NMR spectrum of 10c (recorded in CDCl₃)****¹³C NMR spectrum of 10c**

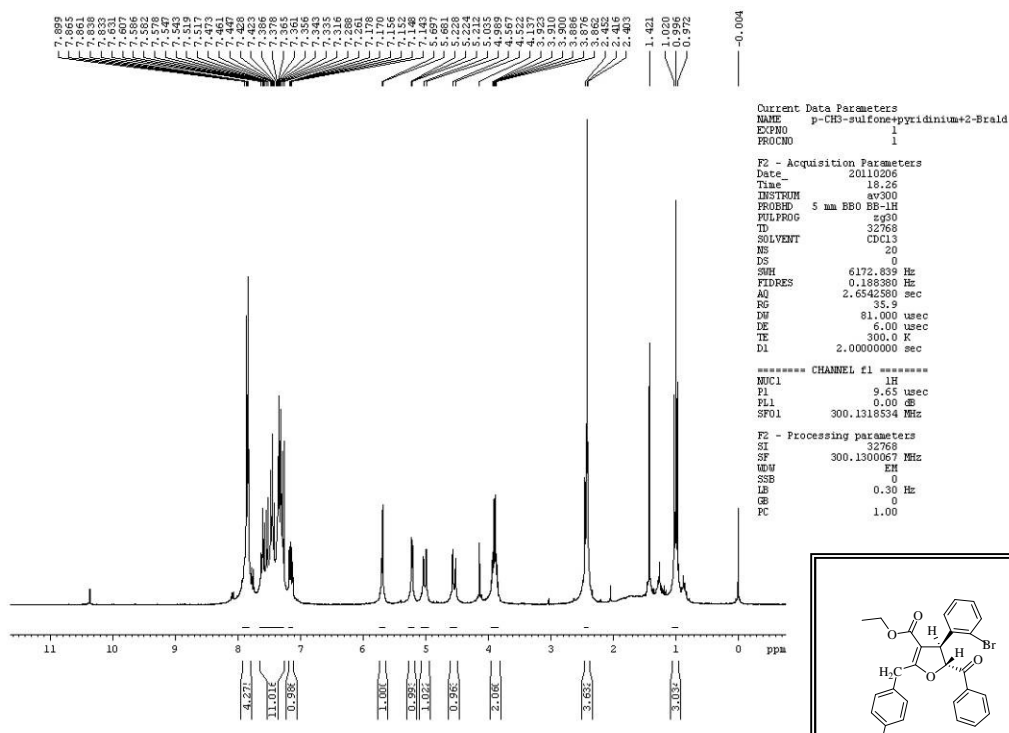
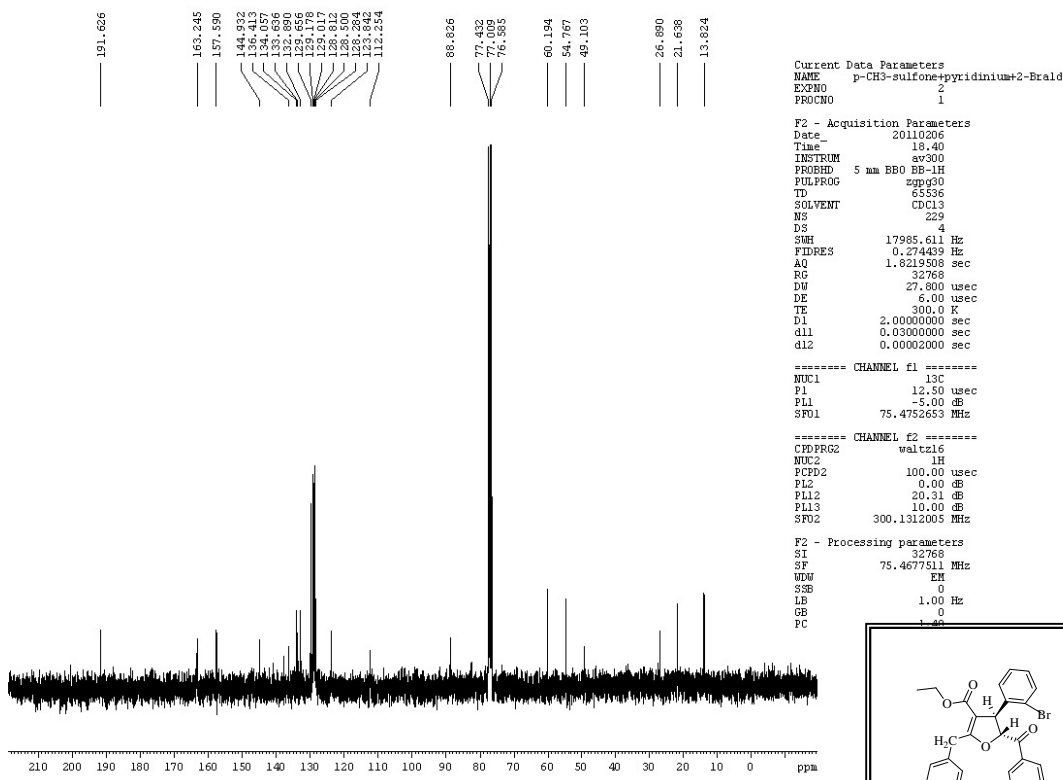


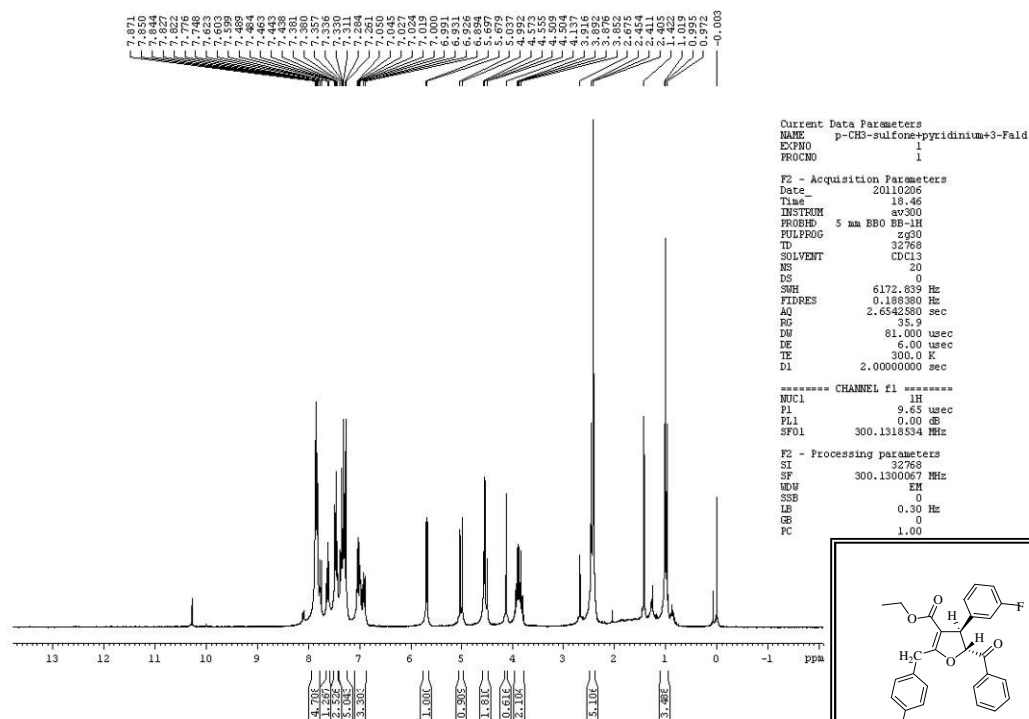
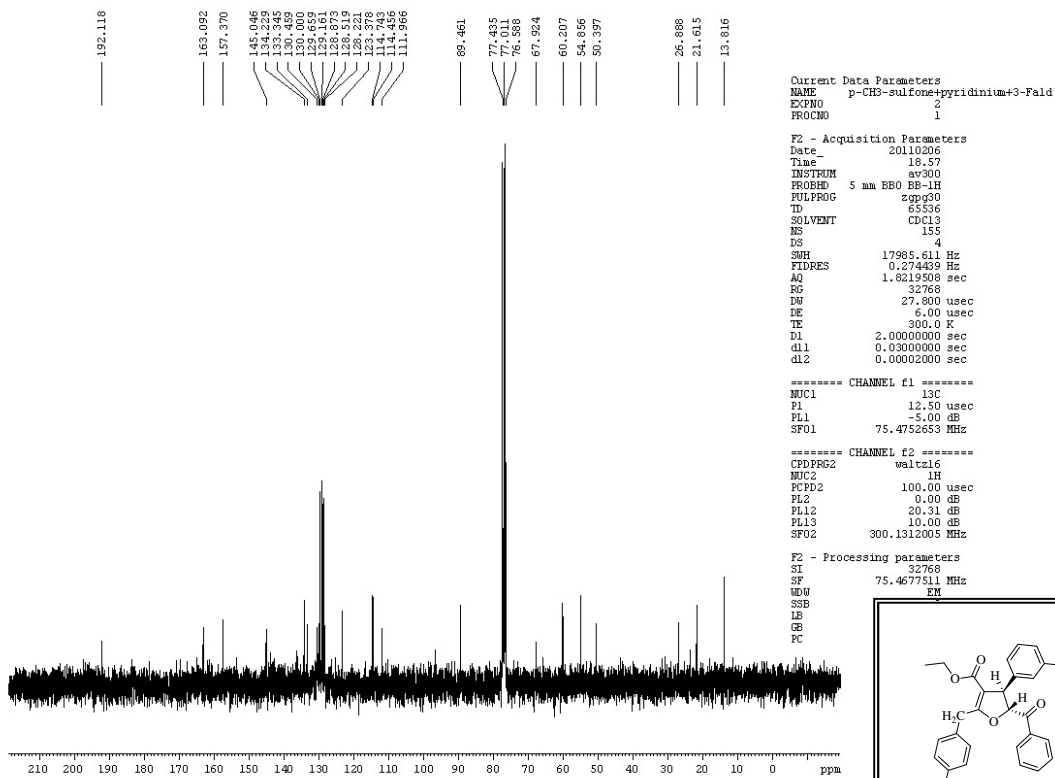
¹H NMR spectrum of 10d (recorded in CDCl₃)

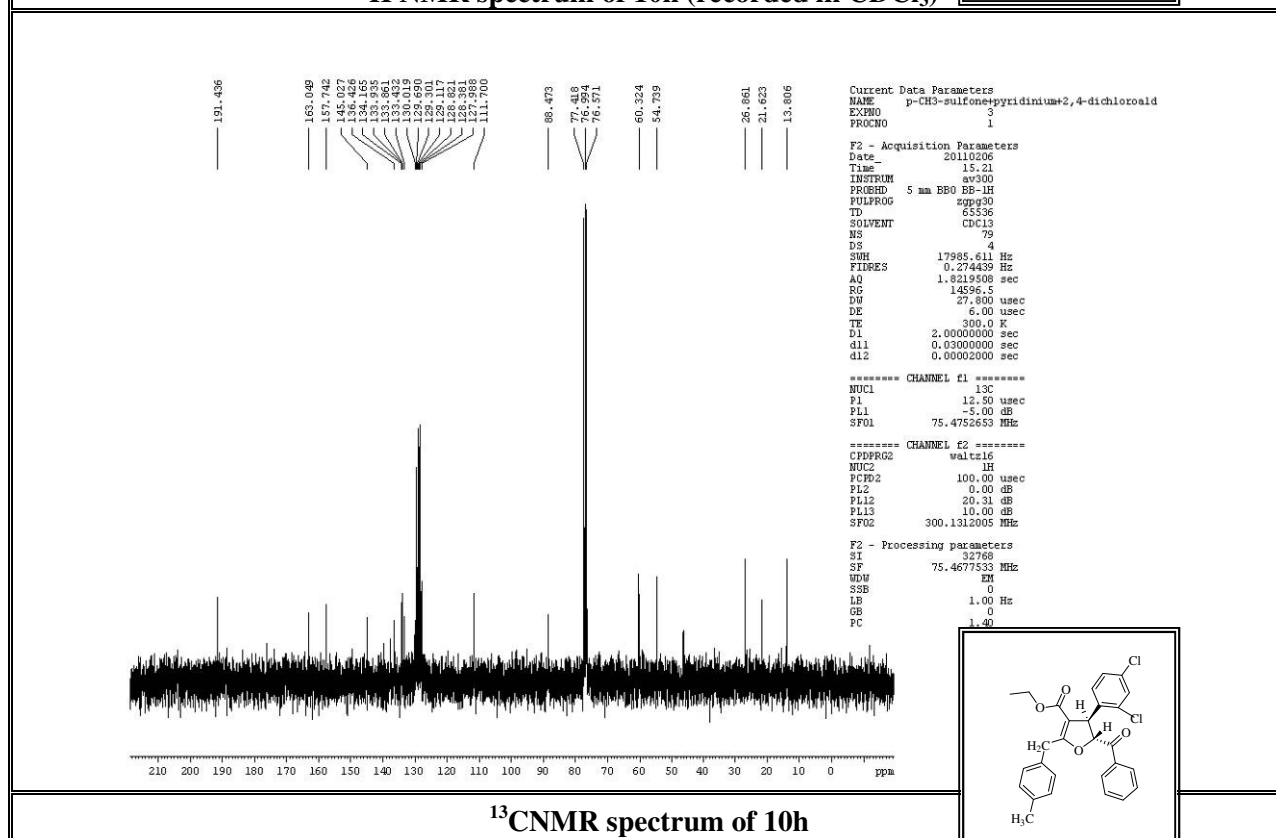
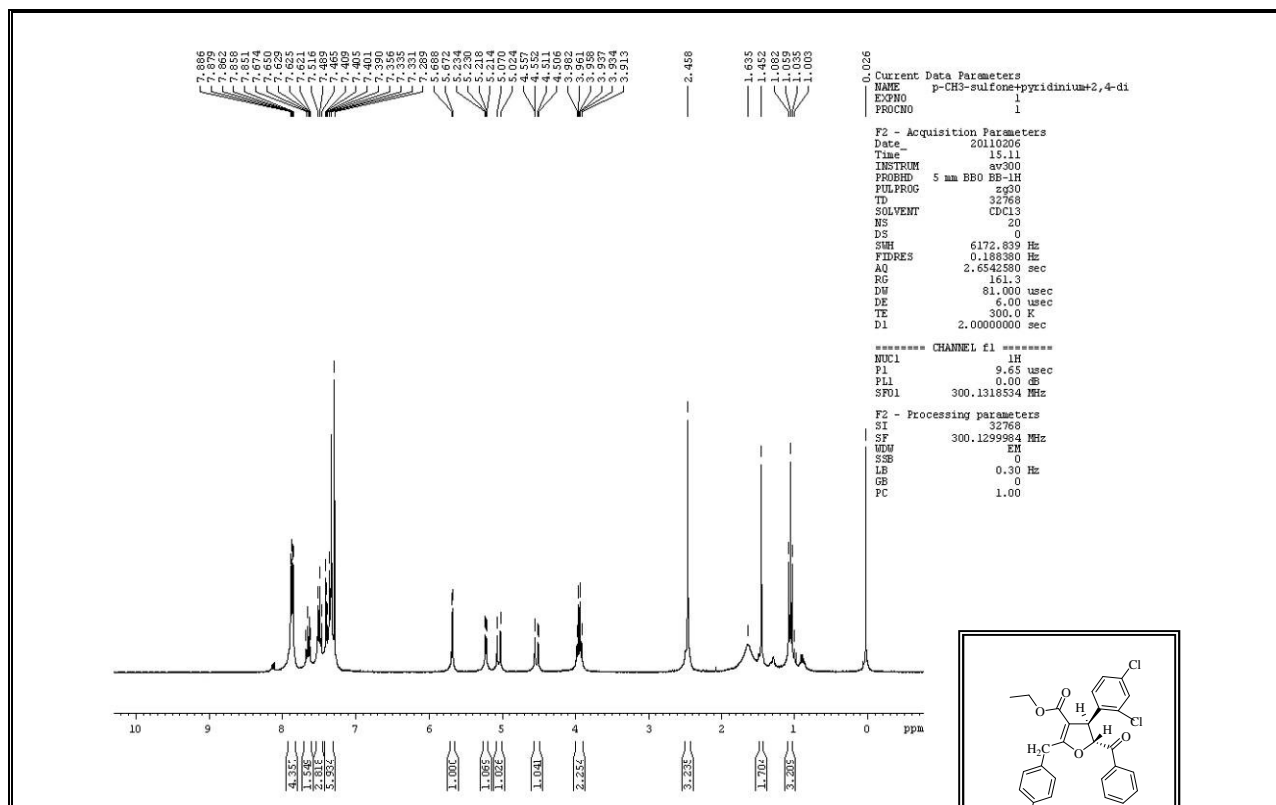


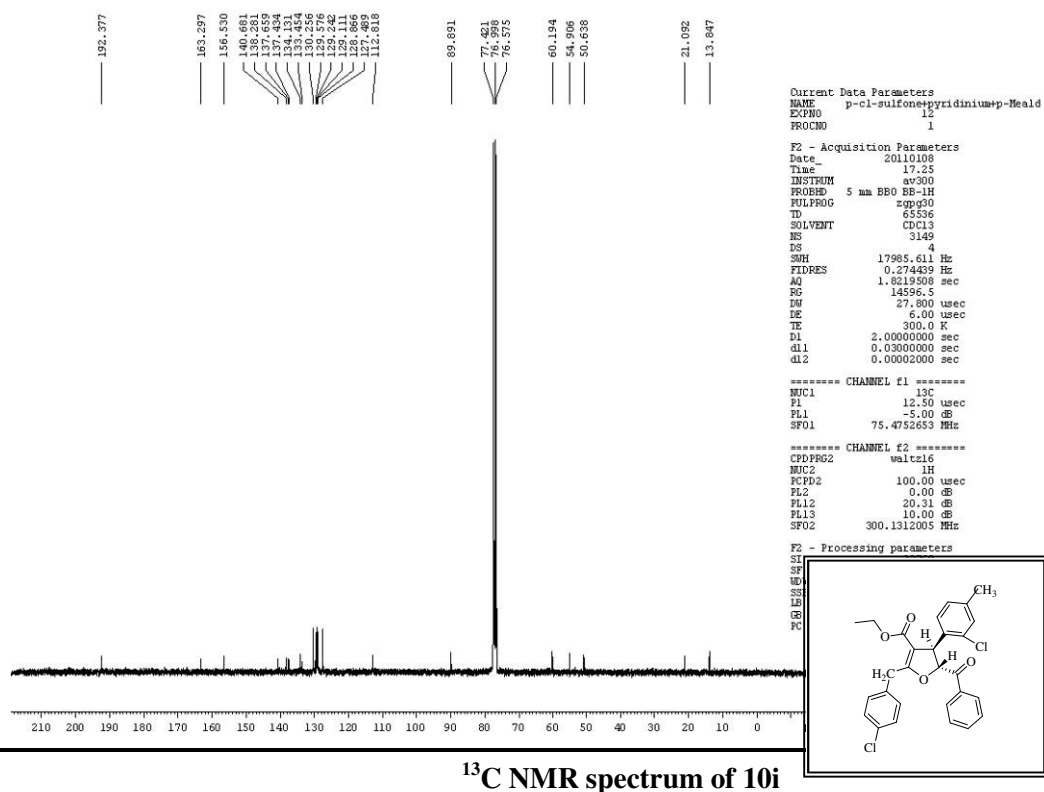
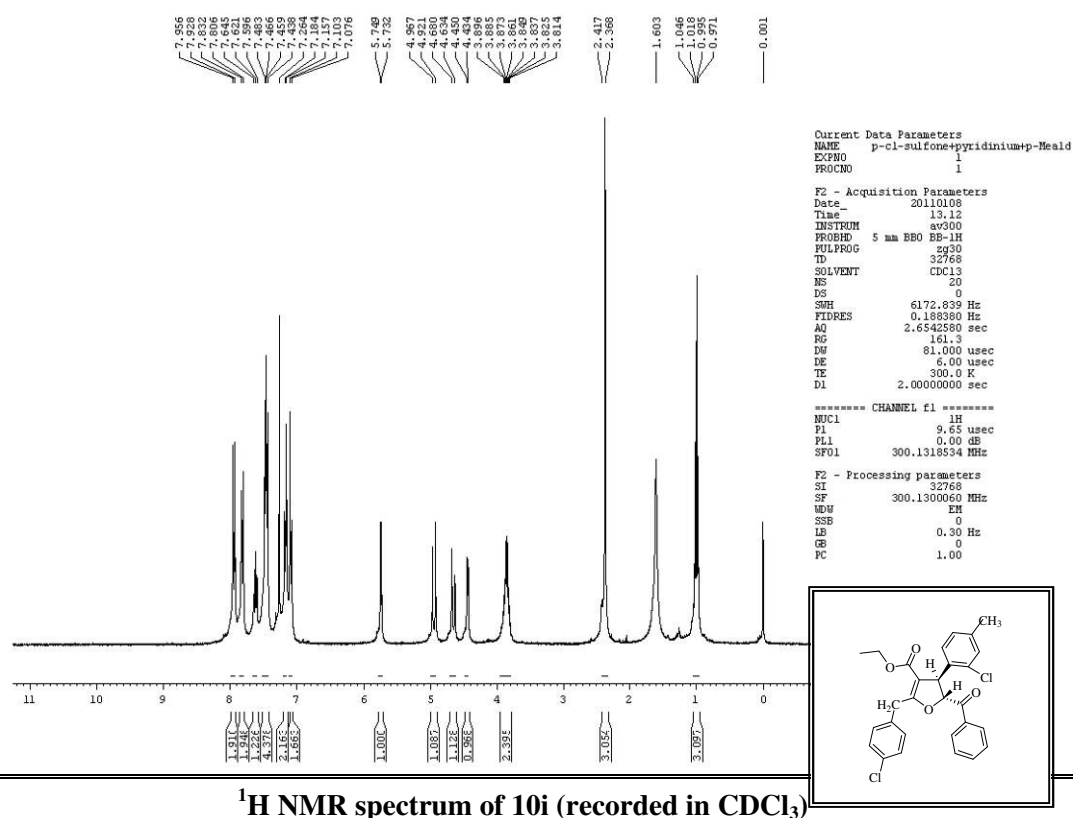
¹³C NMR spectrum of 10d

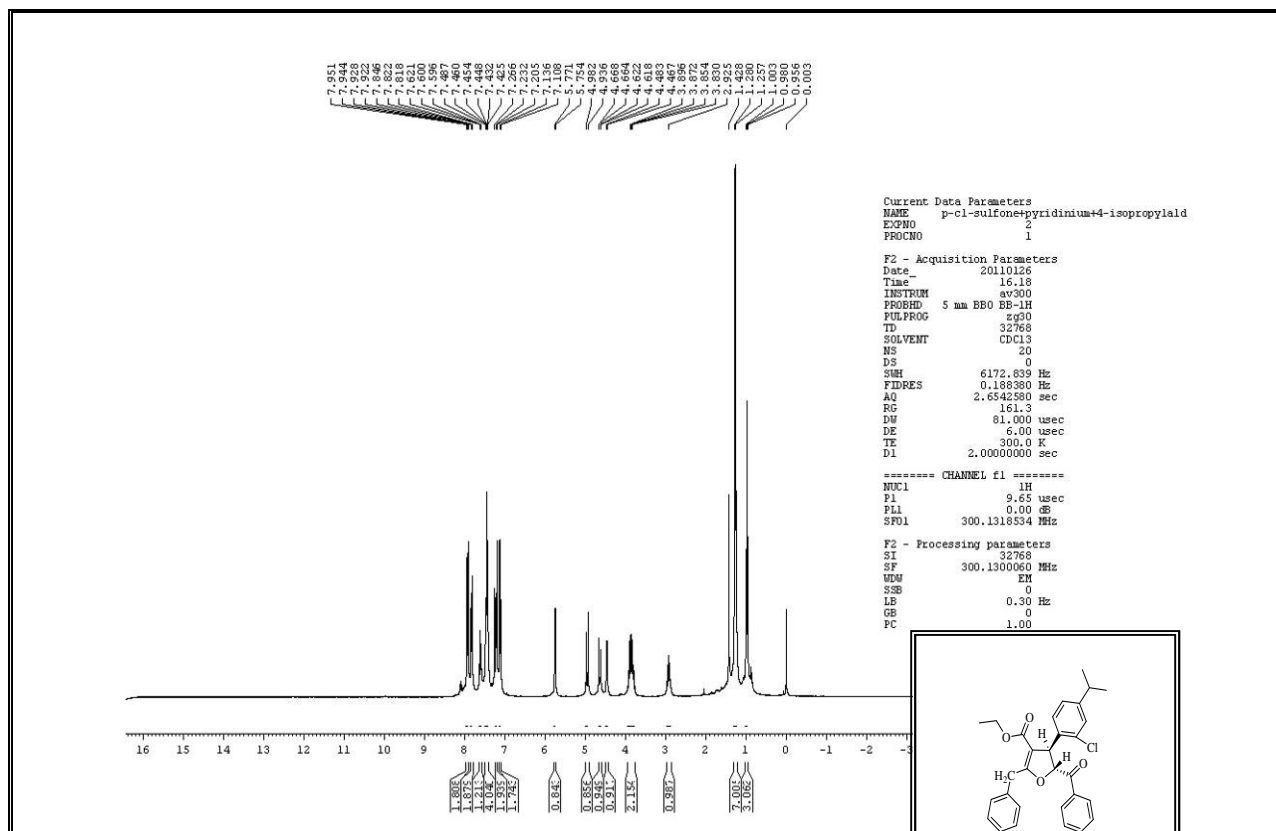
¹H NMR spectrum of 10e(recorded in CDCl₃)¹³C NMR spectrum of 10e

¹H NMR spectrum of 10f (recorded in CDCl₃)¹³CNMR spectrum of 10f

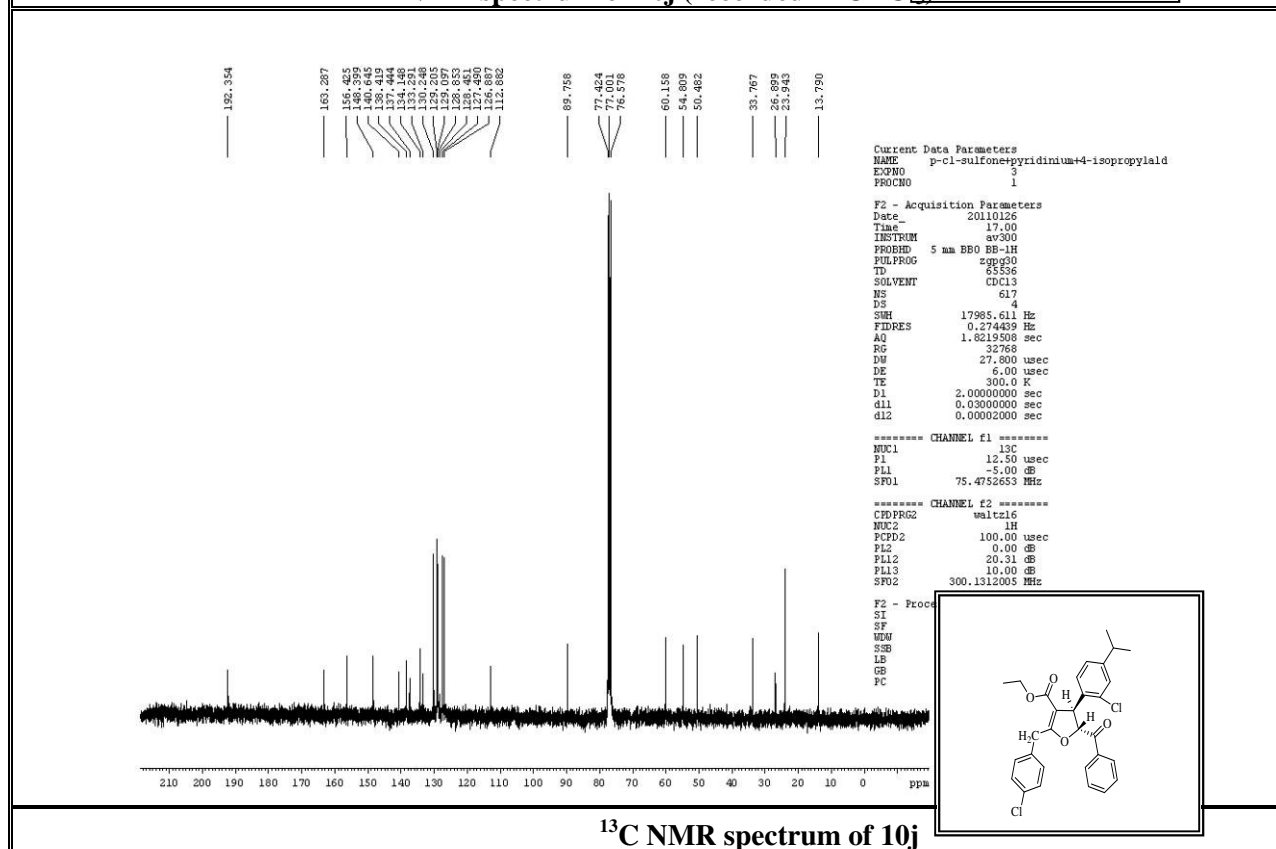
¹H NMR spectrum of 10g (recorded in CDCl₃)¹³C NMR spectrum of 10g



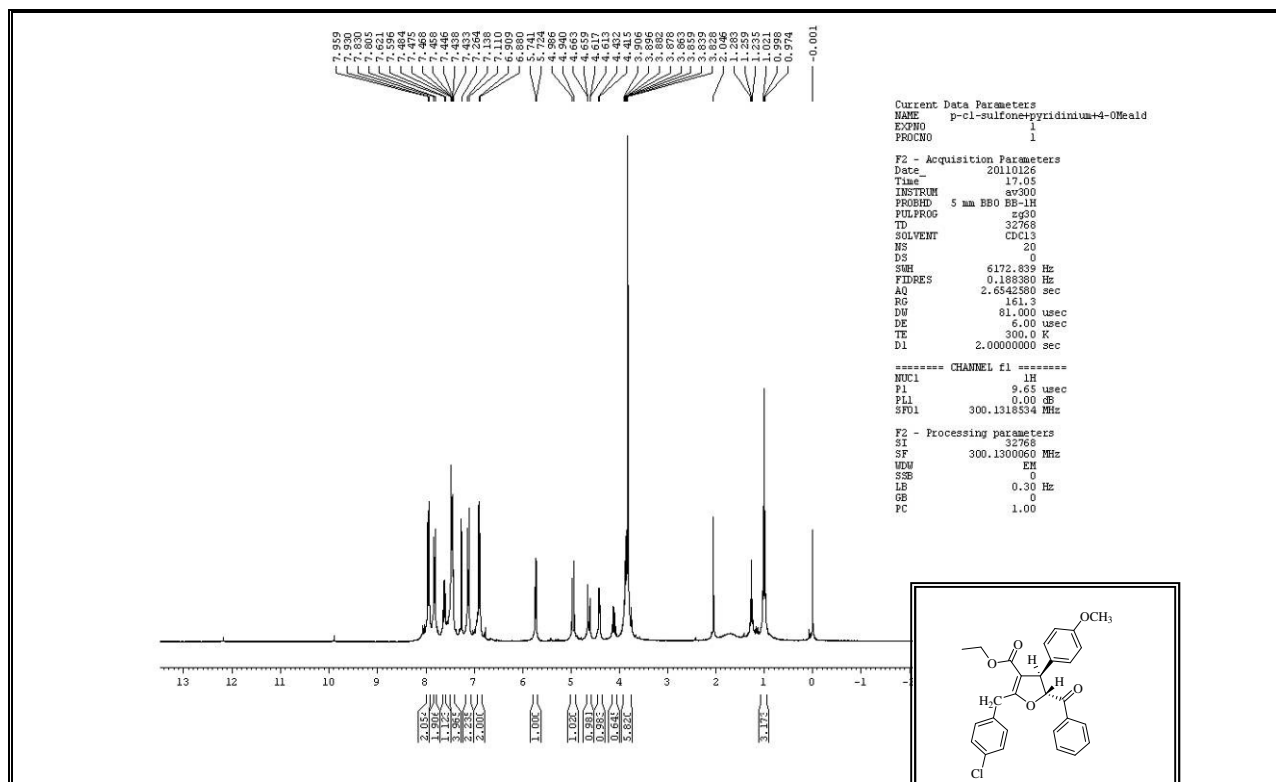




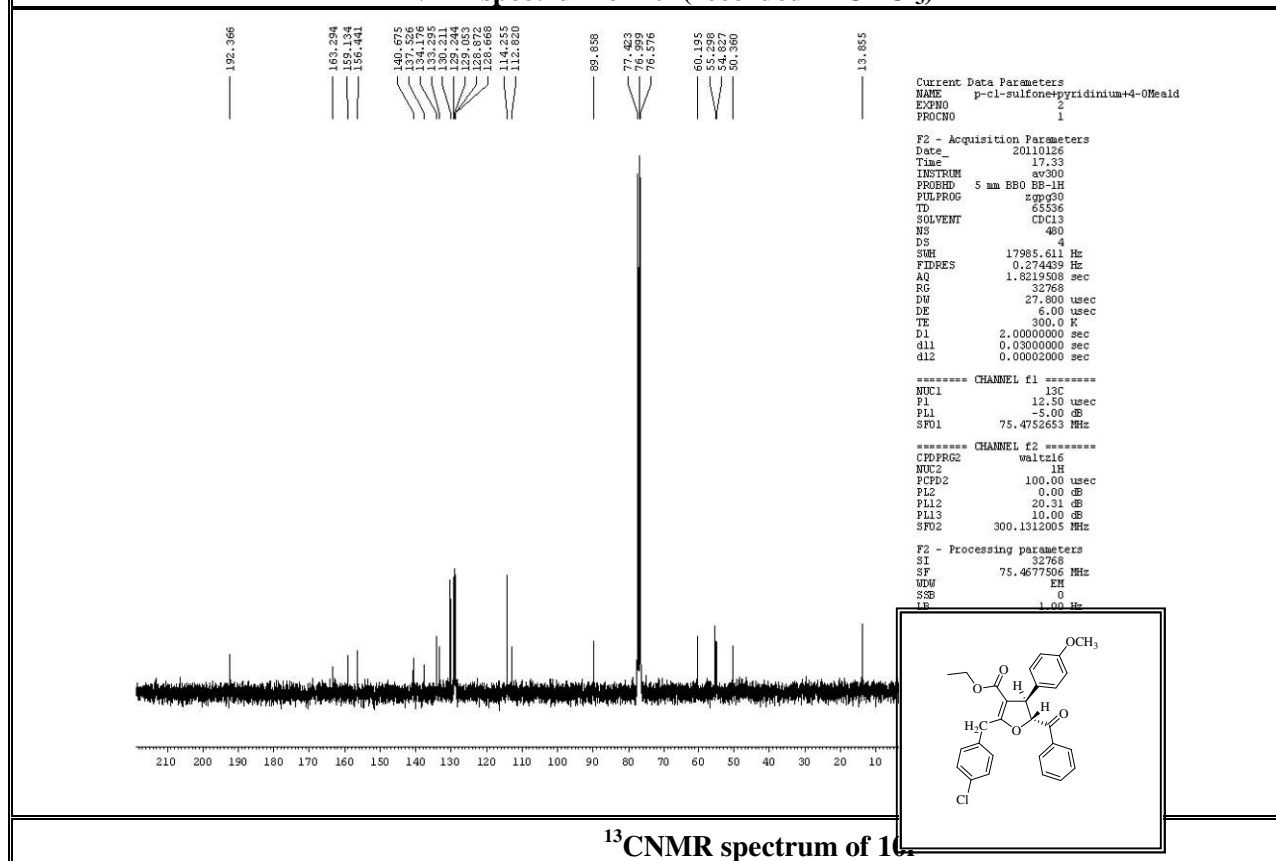
¹H NMR spectrum of 10j (recorded in CDCl₃)



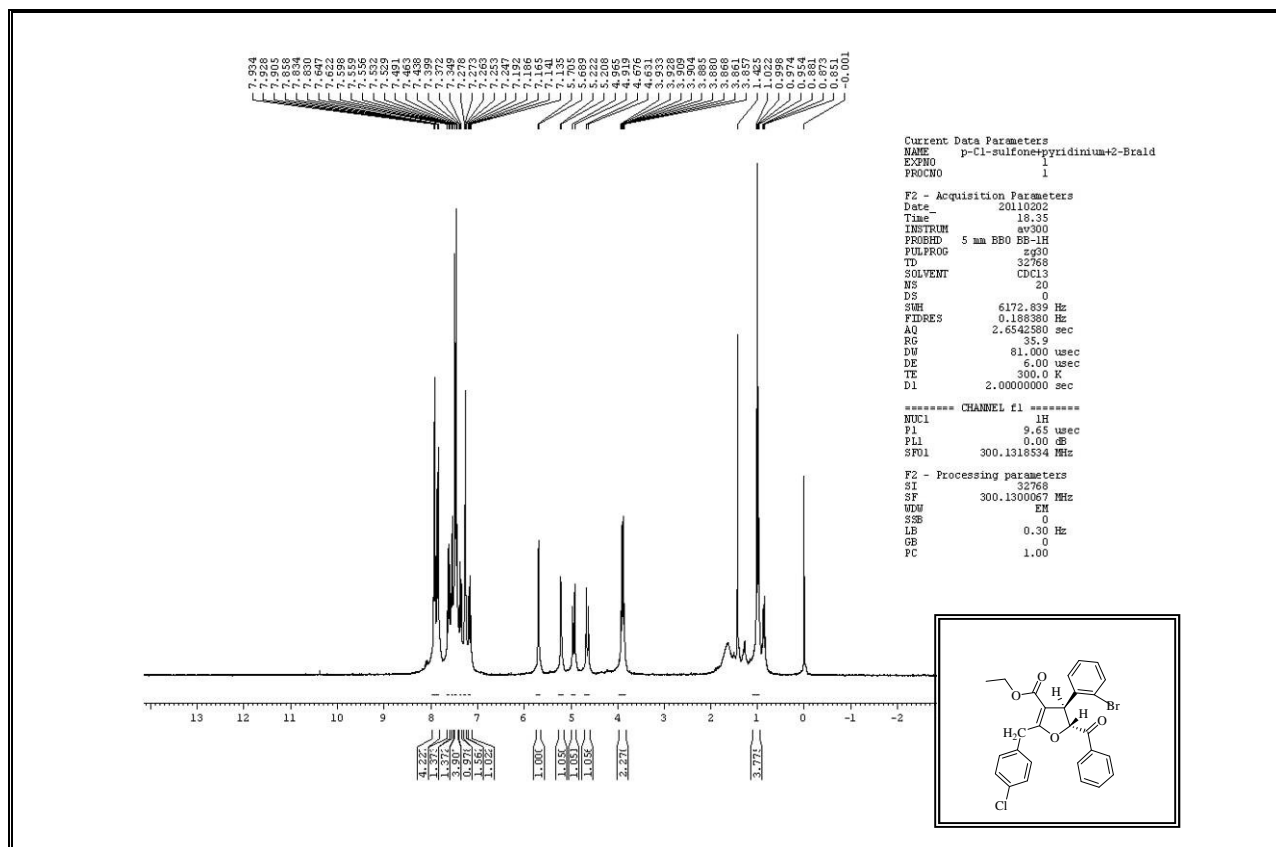
¹³C NMR spectrum of 10j



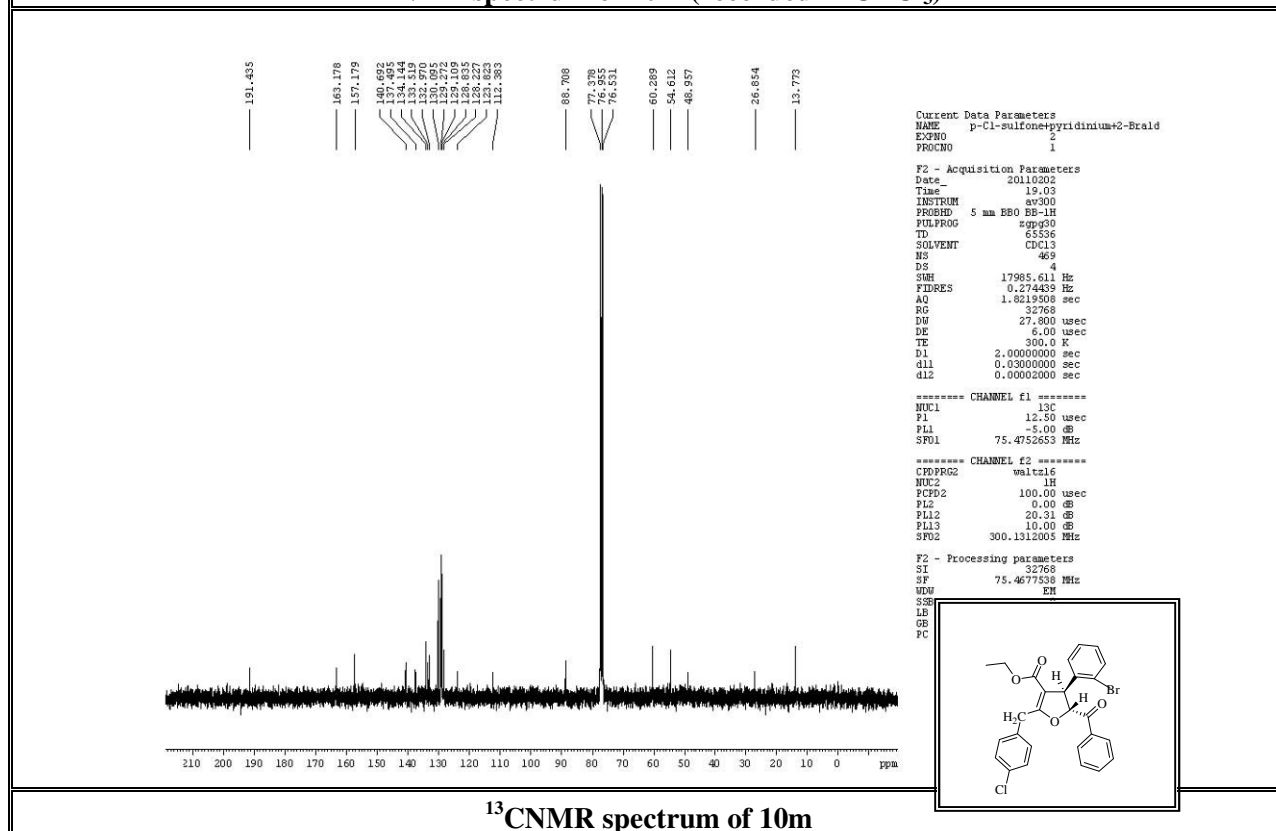
¹H NMR spectrum of 10l (recorded in CDCl₃)



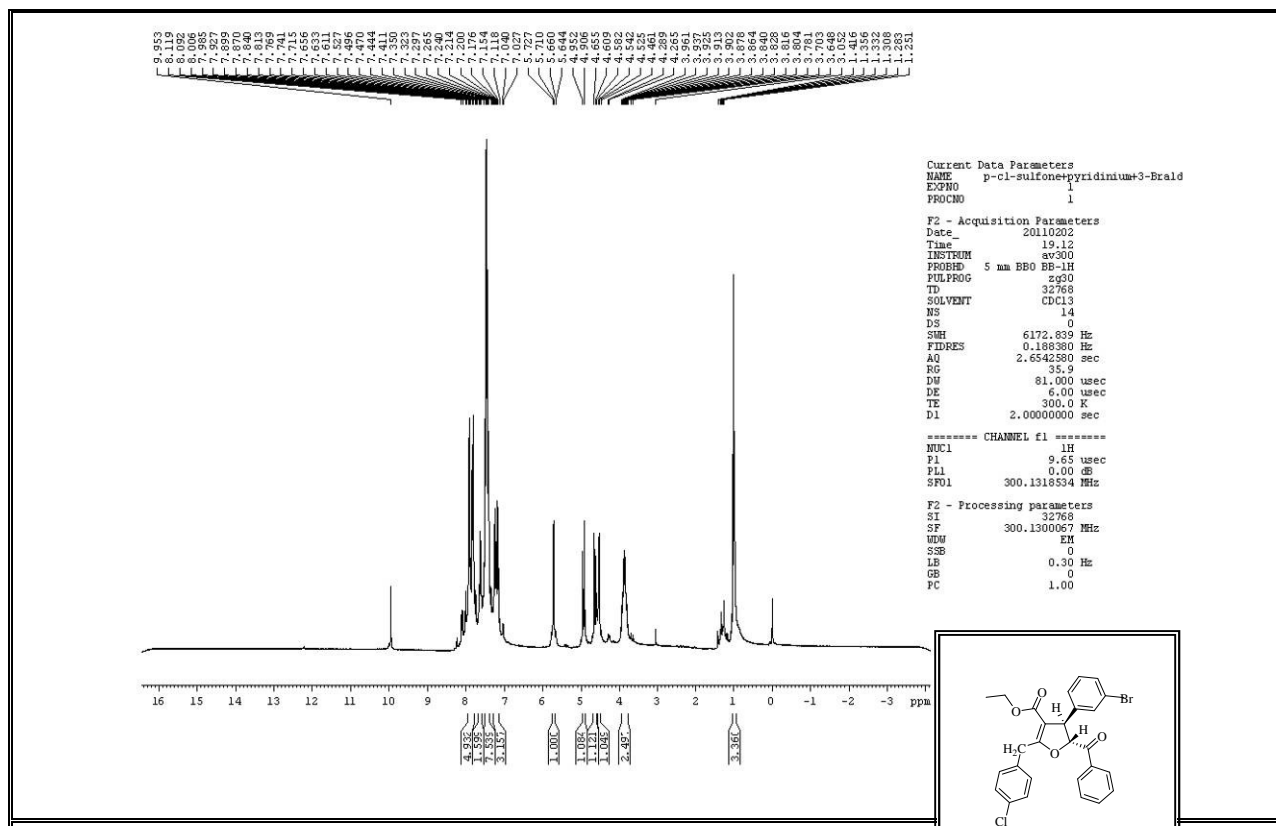
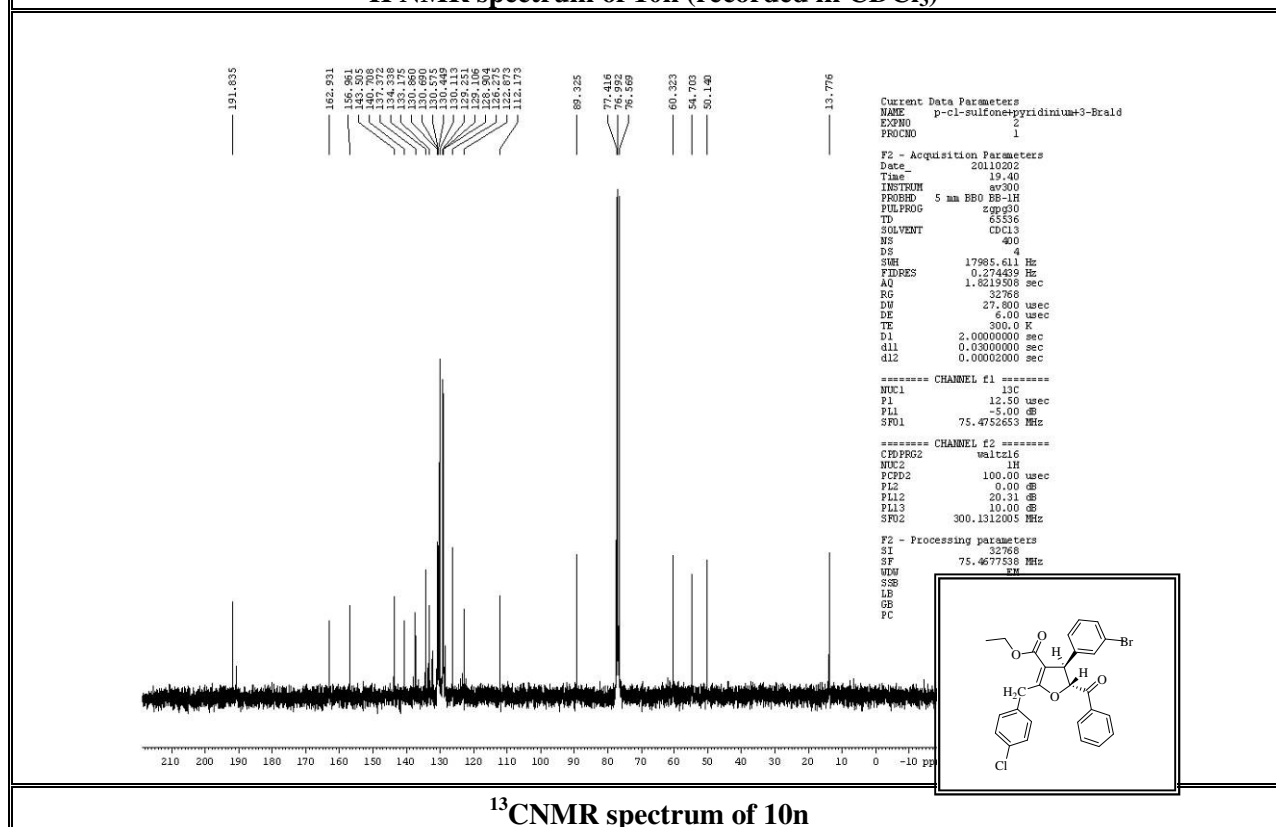
¹³C NMR spectrum of 10l

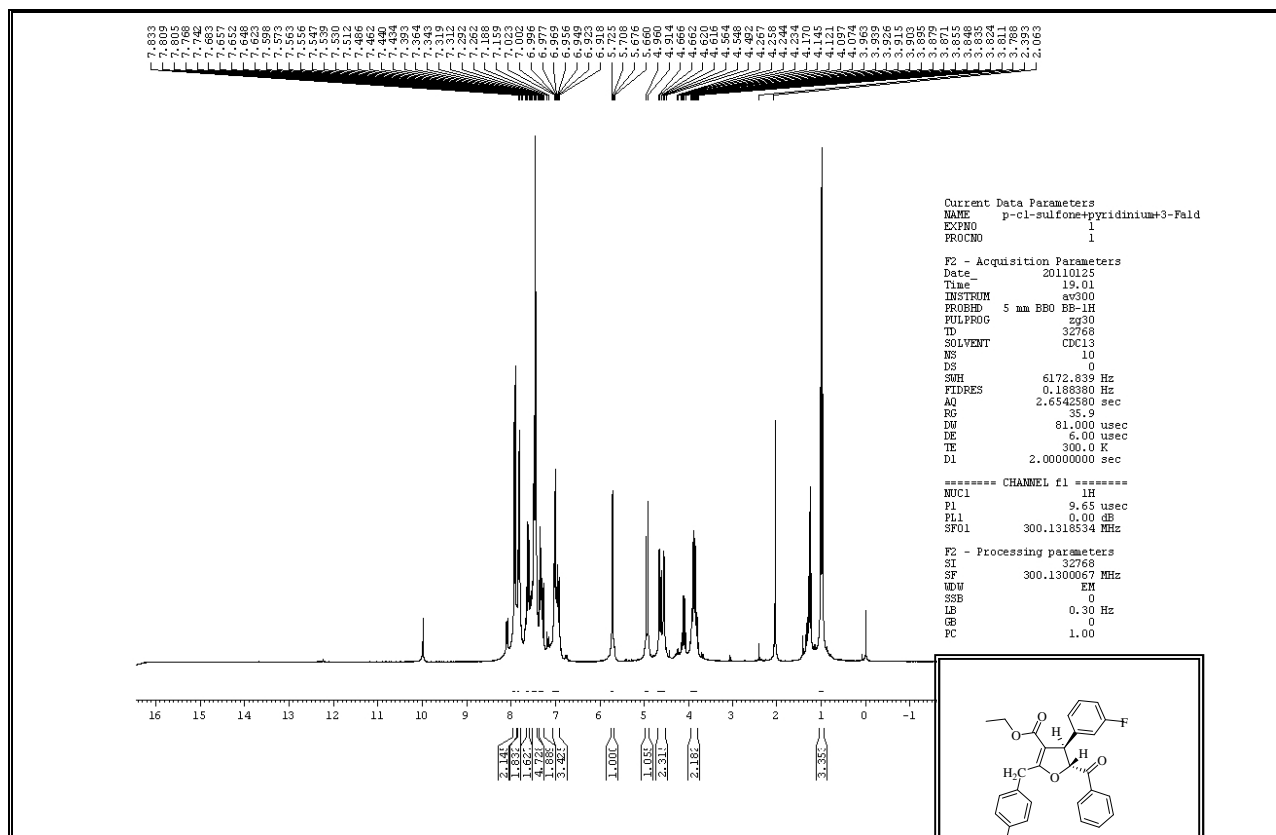


¹H NMR spectrum of 10m (recorded in CDCl₃)

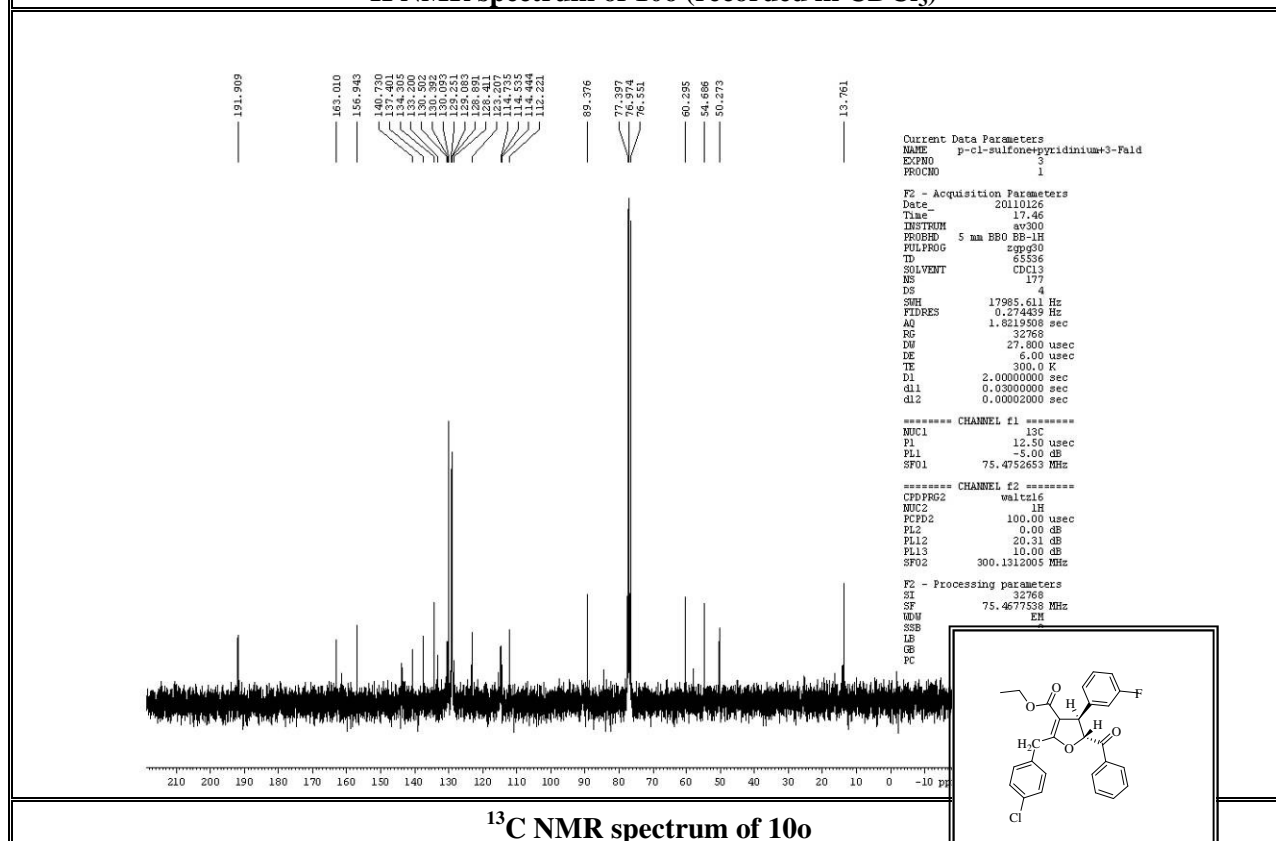


¹³C NMR spectrum of 10m

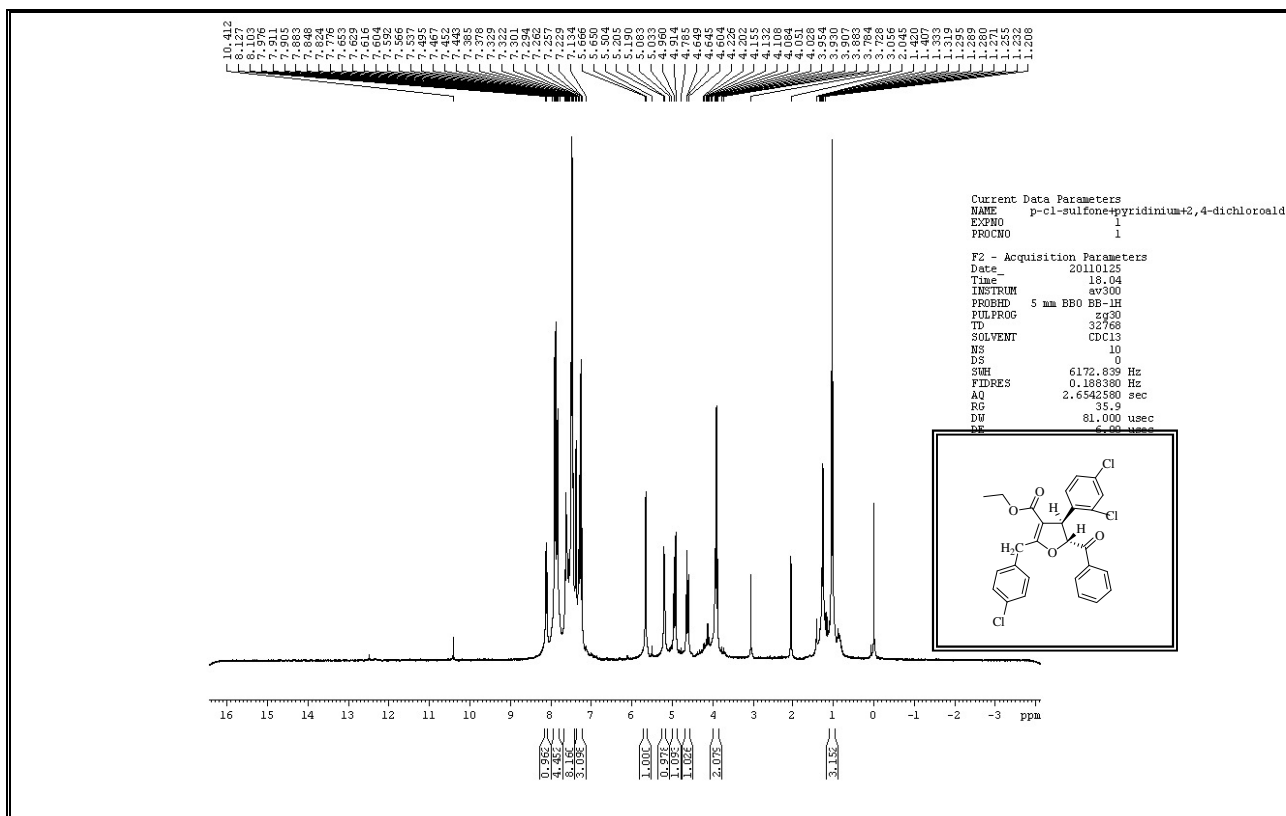
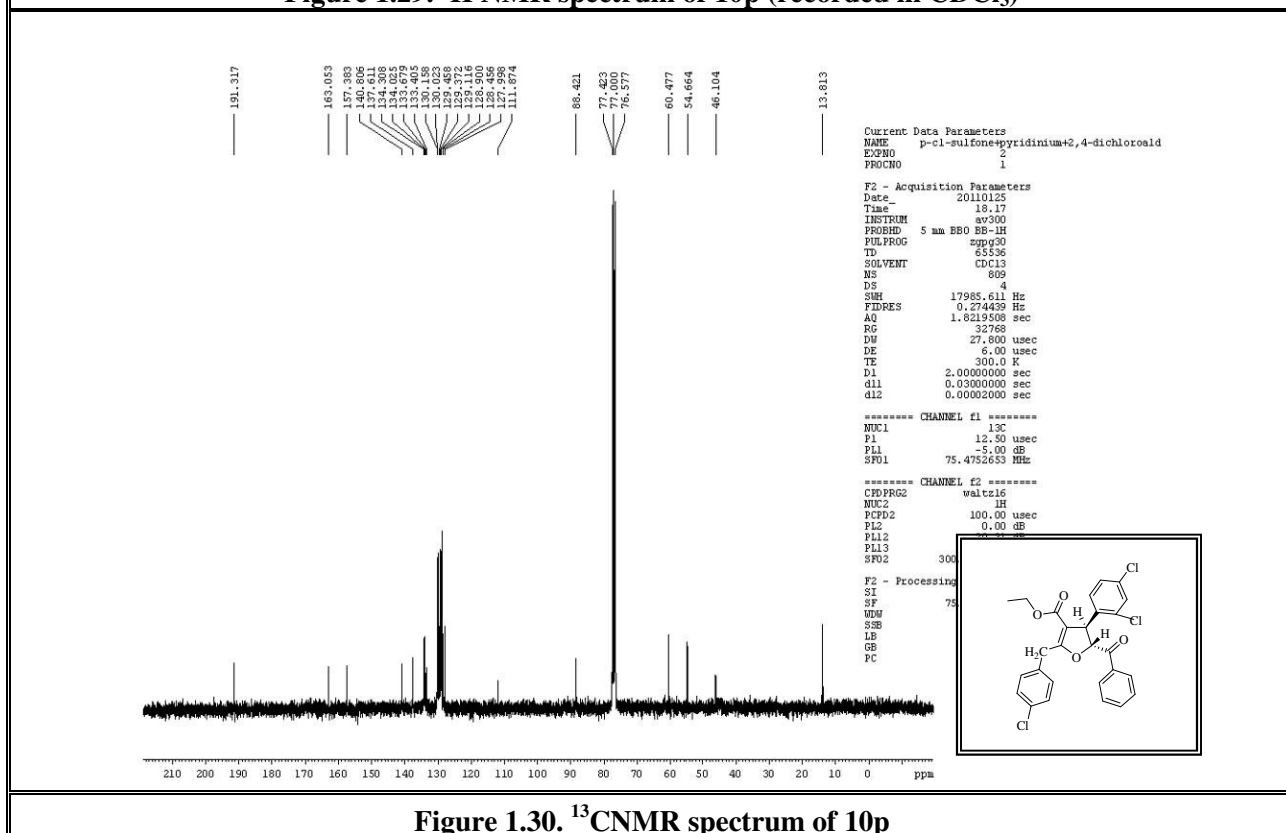
¹H NMR spectrum of 10n (recorded in CDCl₃)¹³C NMR spectrum of 10n



¹H NMR spectrum of 10o (recorded in CDCl₃)



¹³C NMR spectrum of 10o

Figure 1.29. ^1H NMR spectrum of 10p (recorded in CDCl_3)Figure 1.30. ^{13}C NMR spectrum of 10p

