Supporting Information

A regioselective facile synthesis of furo[3,4-*b*]carbazolones; application to the synthesis of mafaicheenamine E and claulansine D

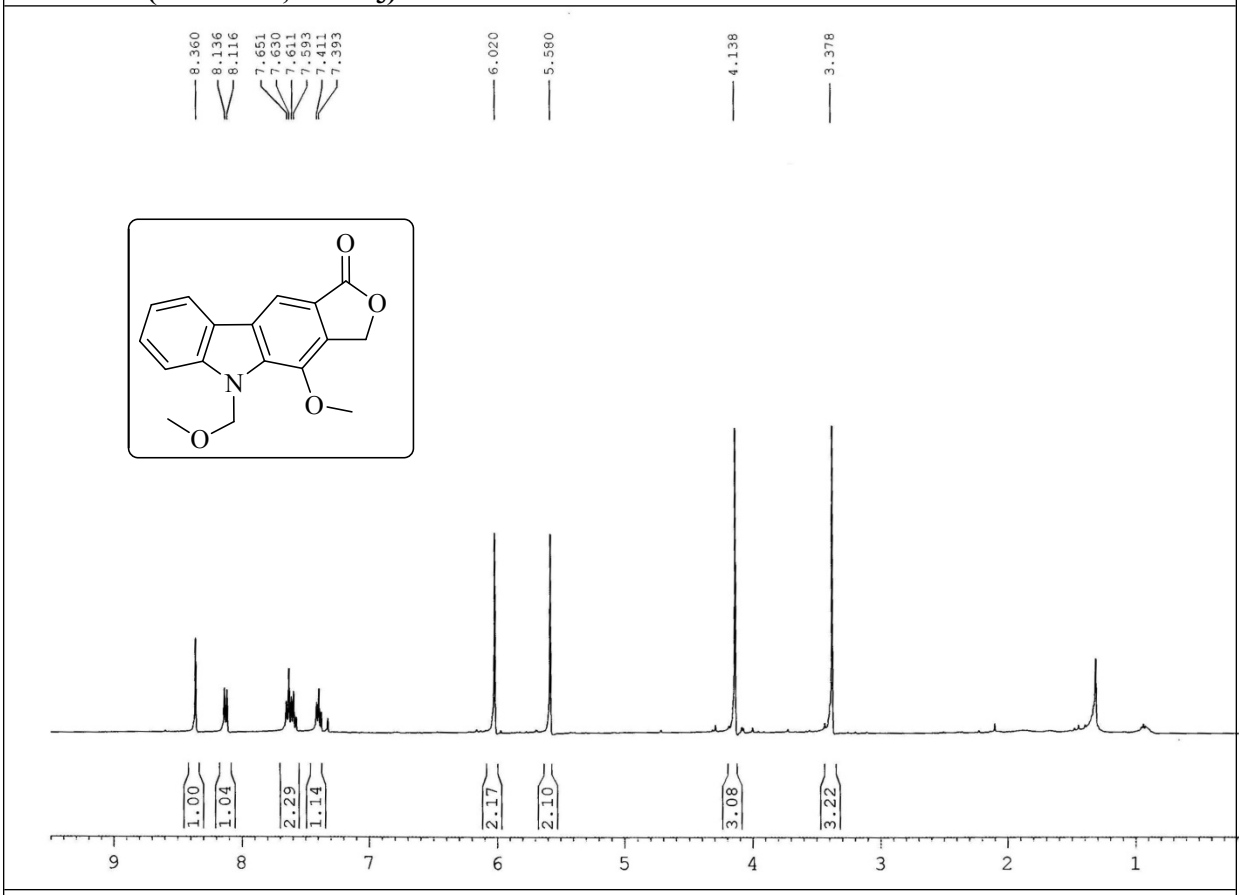
Dipakranjan Mal* and Joyeeta Roy

Department of Chemistry, Indian Institute of Technology, Kharagpur- 721302, India

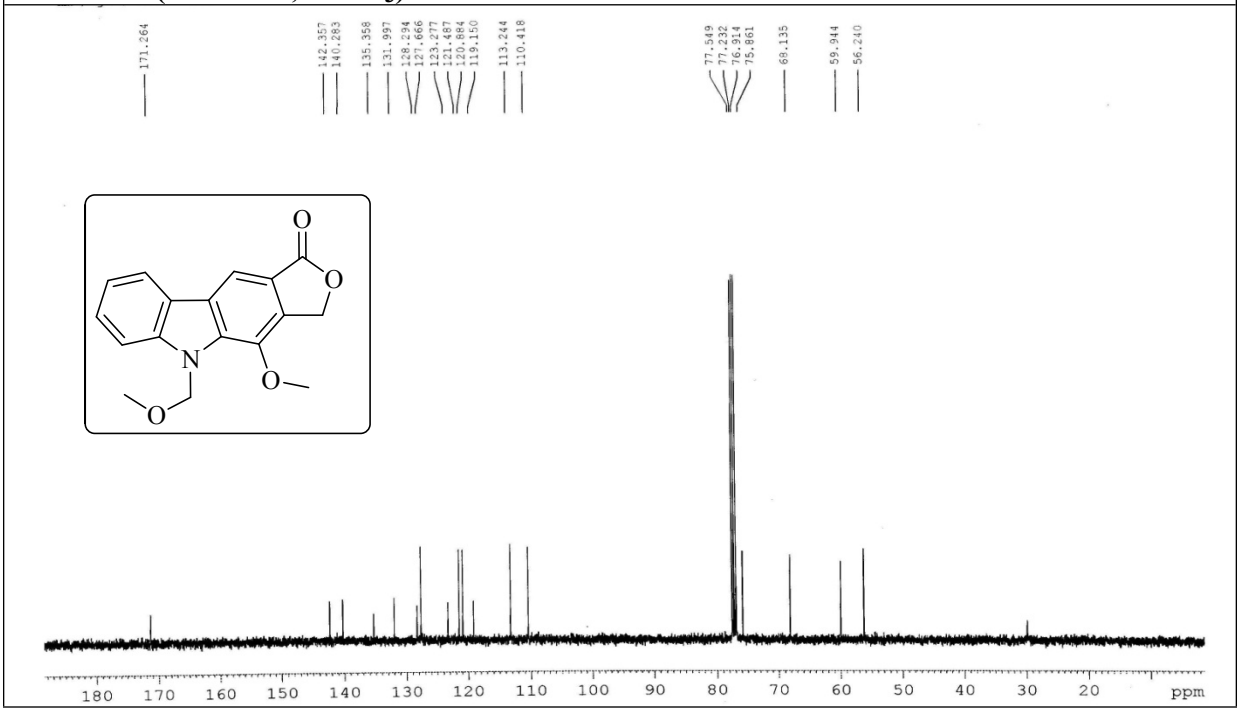
email: dmal@chem.iitkgp.ernet.in

Content

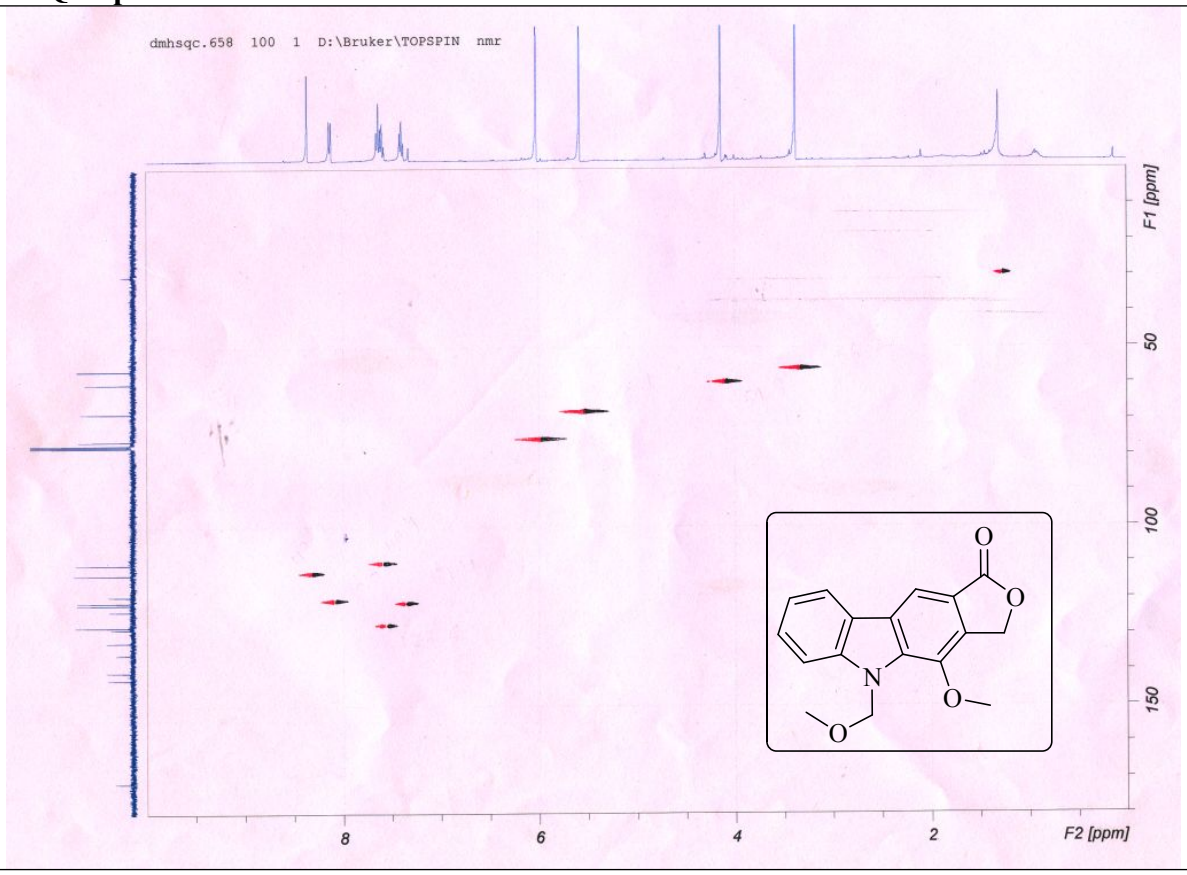
^{1}H NMR (400 MHz, $CDCl_3$) of 9



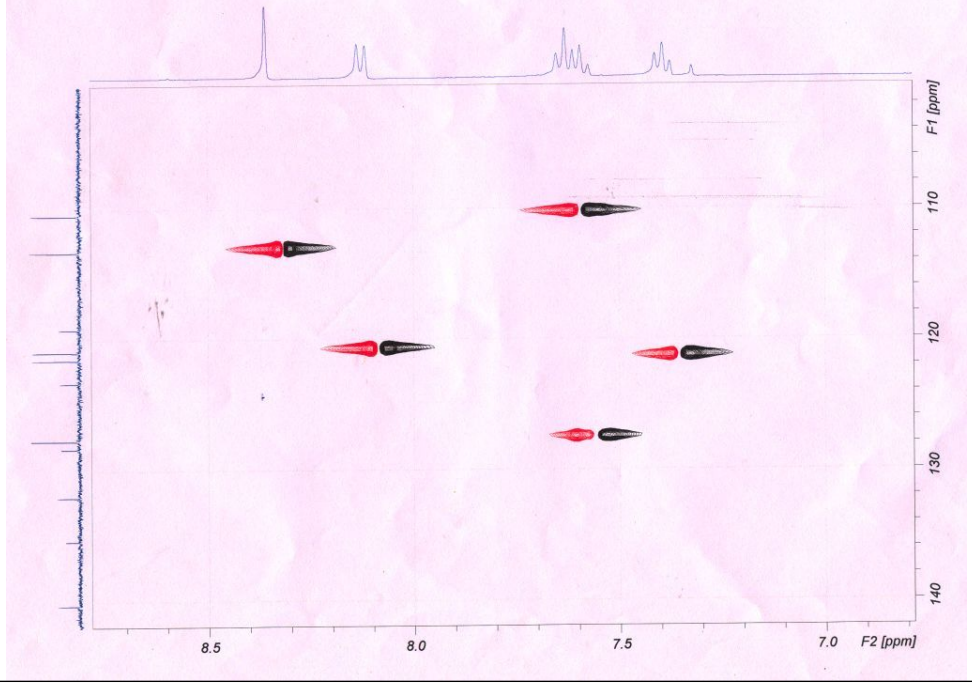
^{13}C NMR (100 MHz, $CDCl_3$) of 9



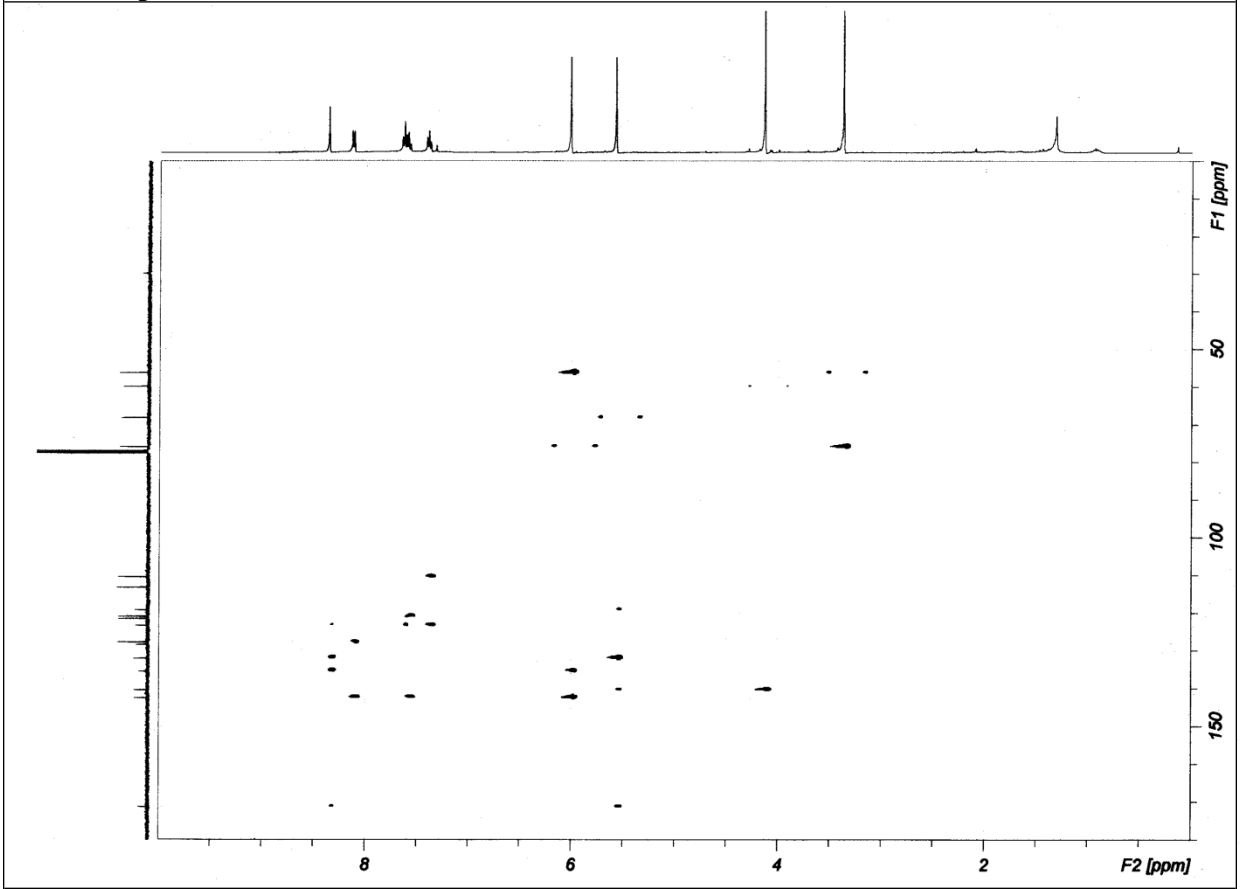
HSQC spectrum of 9



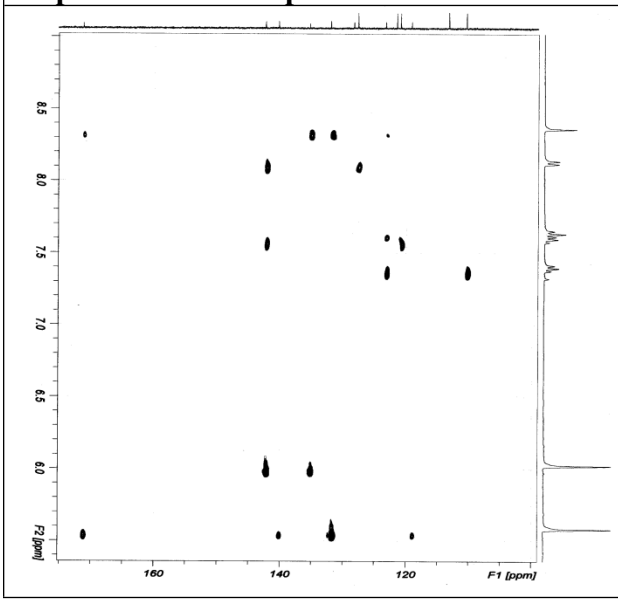
Expanded HSQC spectrum of 9

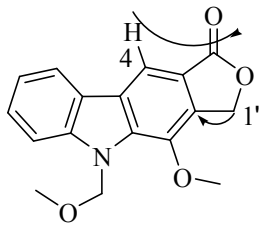


HMBC spectrum of 9



Expanded HMBC spectrum of 9

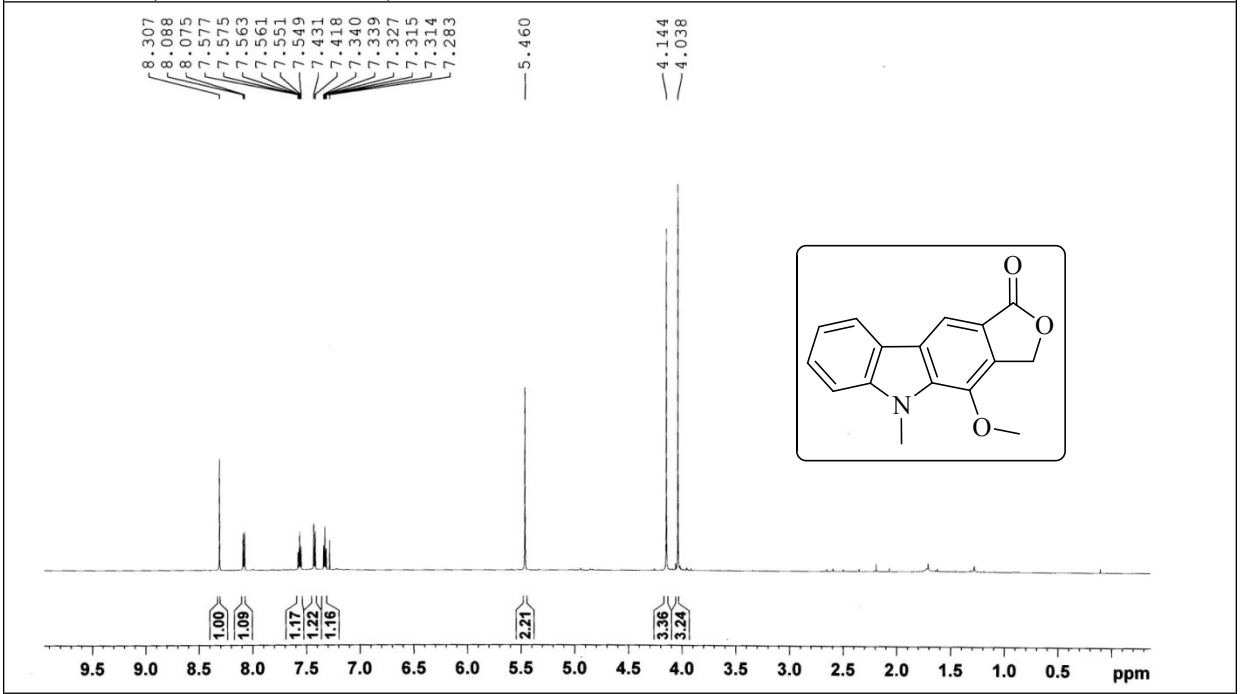




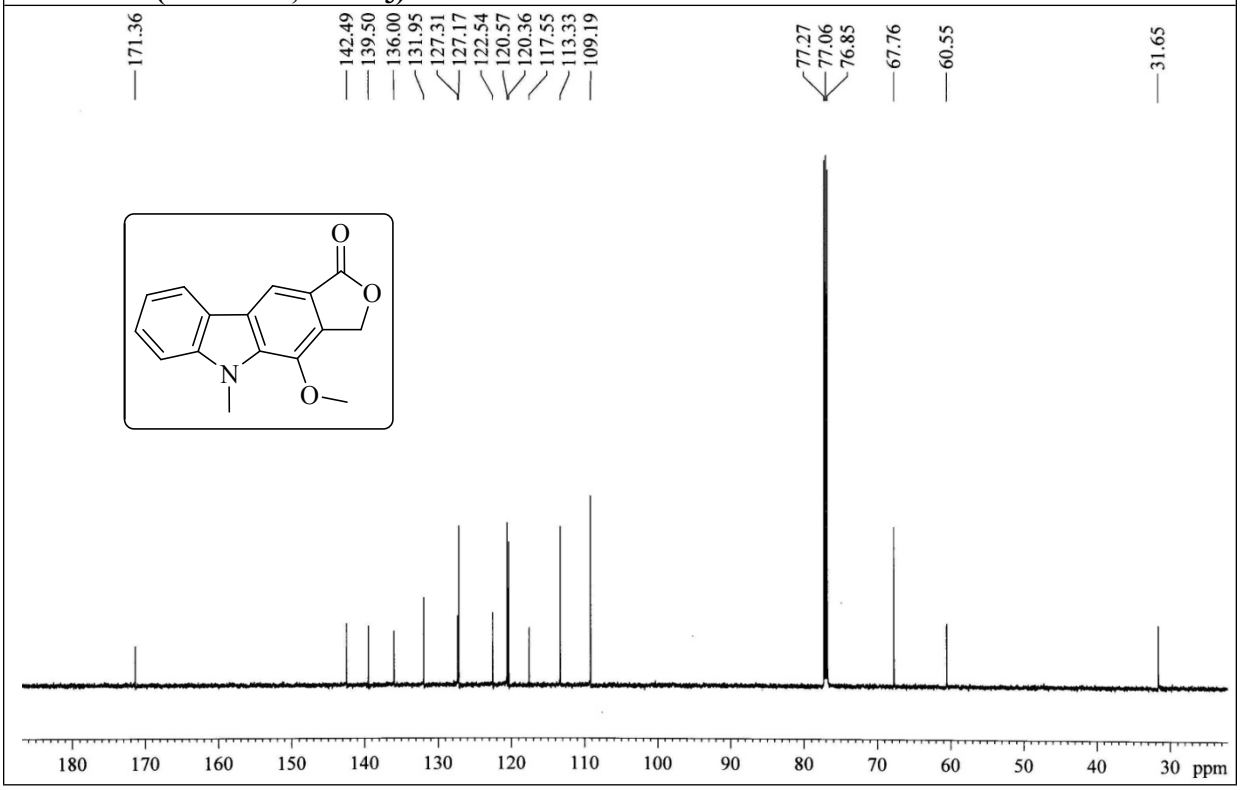
The singlet at δ 8.36 corresponding to C4-H showed correlation with the signal at δ 171.2

The CH_2 (1´ H) at δ 5.58 showed correlation with the signal at δ 131.9 (C2).

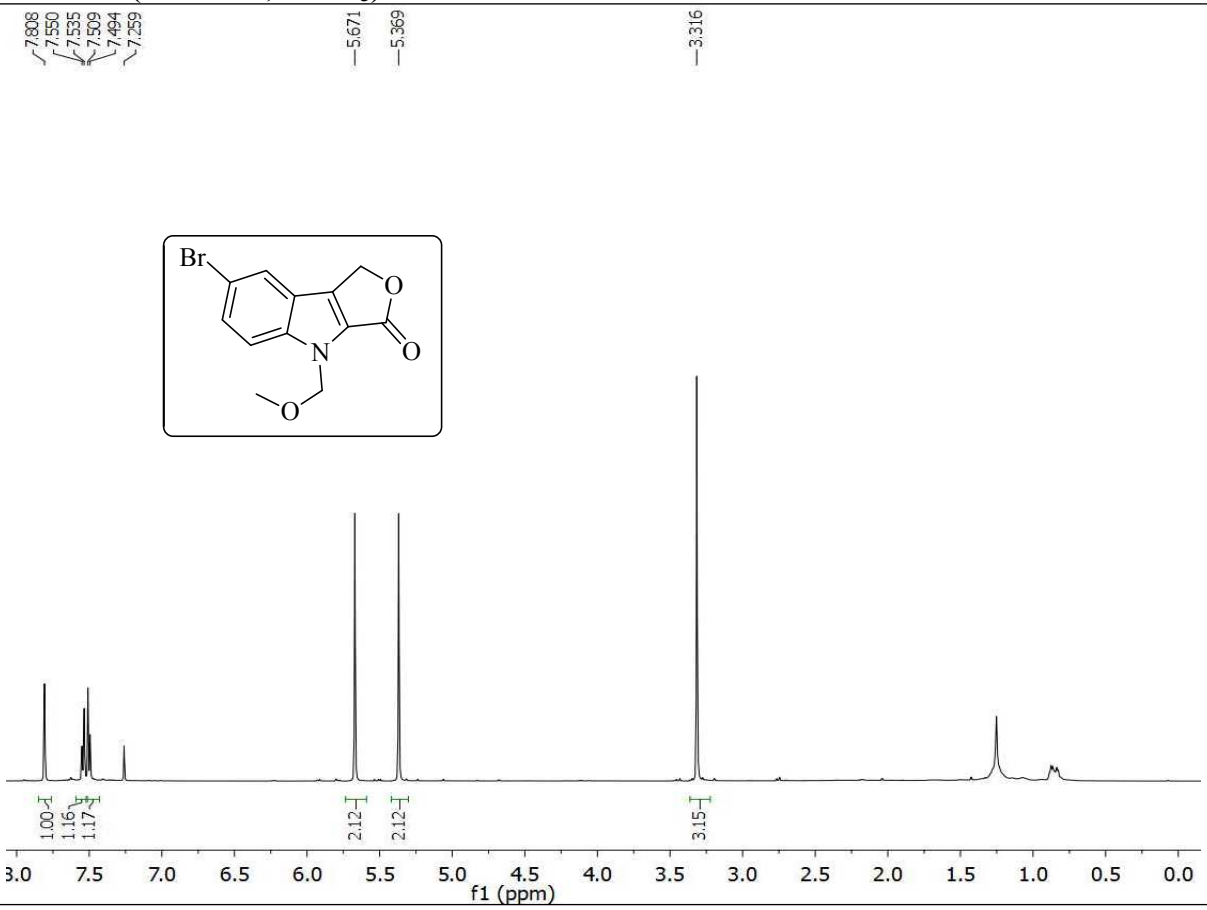
^{1}H NMR (600 MHz, $CDCl_3$) of 19



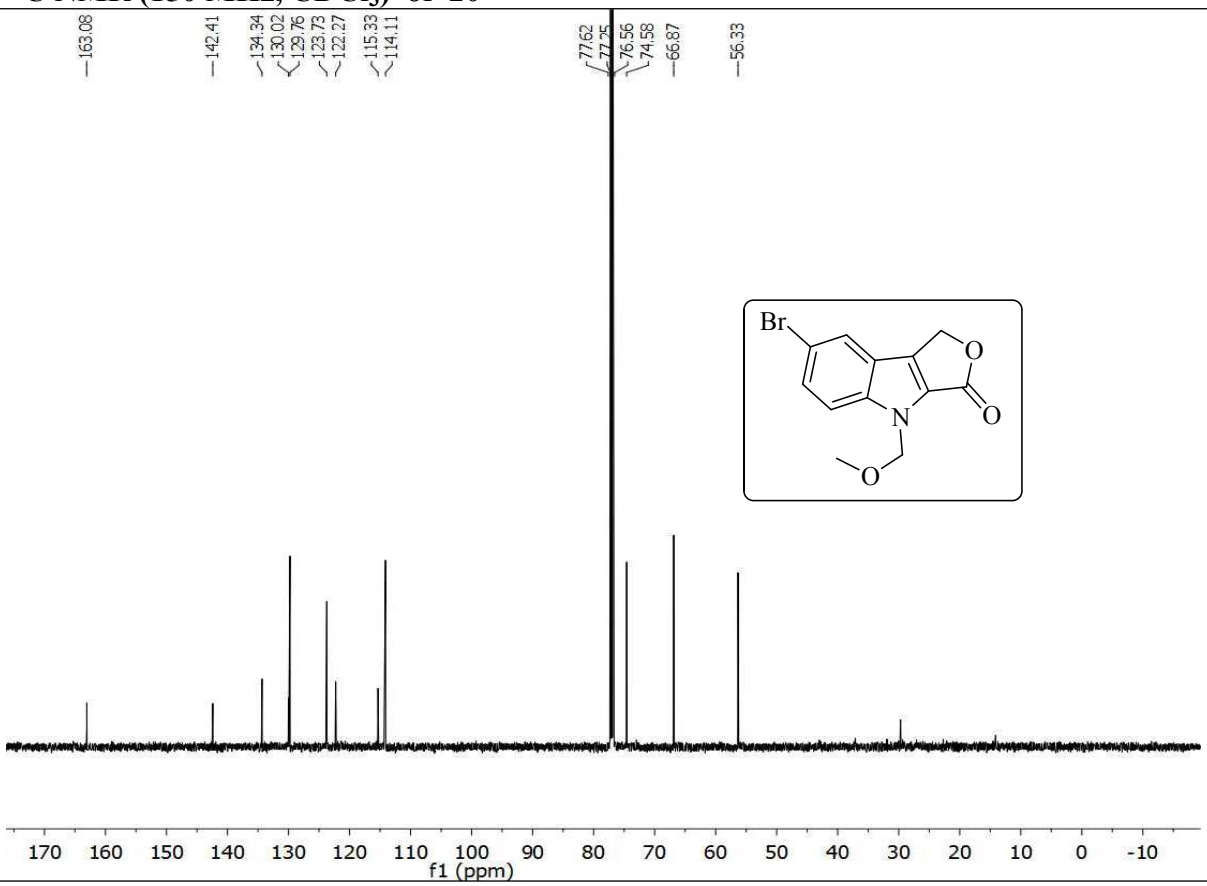
^{13}C NMR (150 MHz, $CDCl_3$) of 19



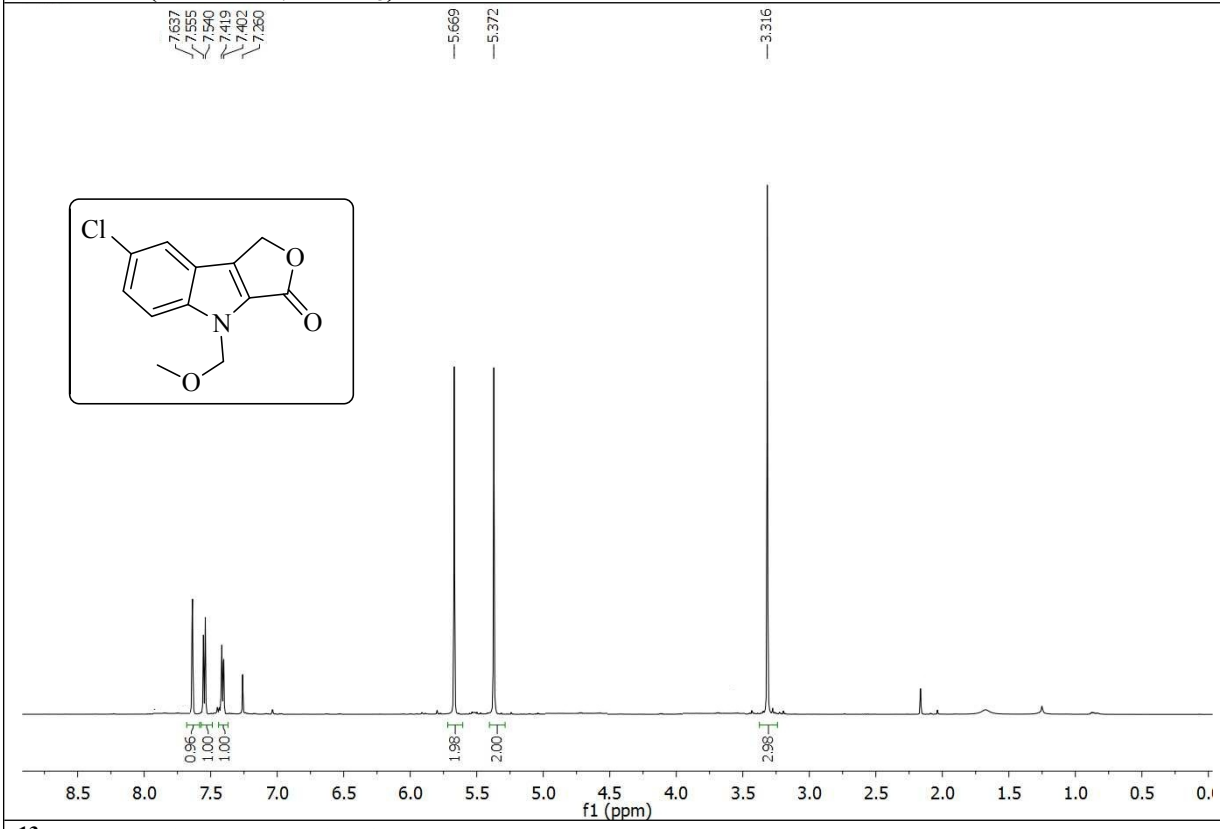
^{1}H NMR (600 MHz, $CDCl_3$) of 20



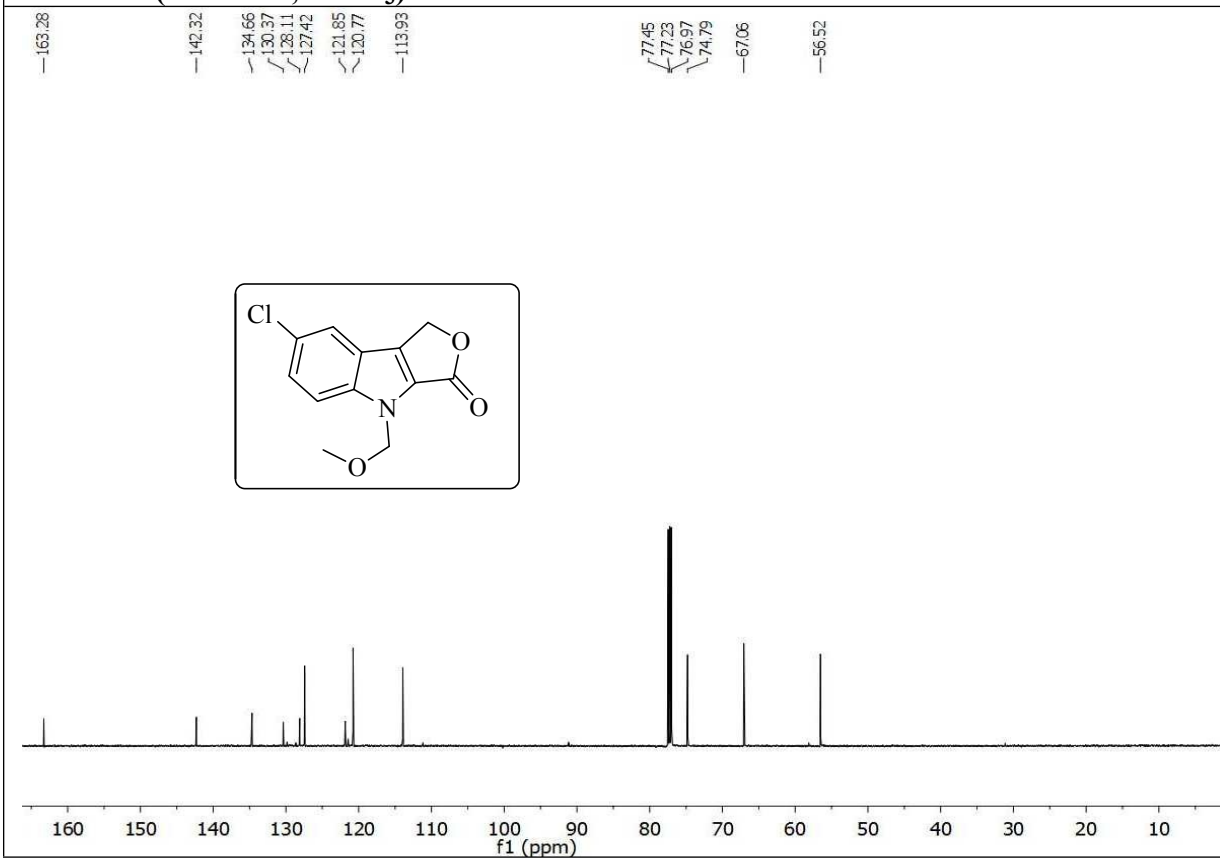
^{13}C NMR (150 MHz, $CDCl_3$) of 20



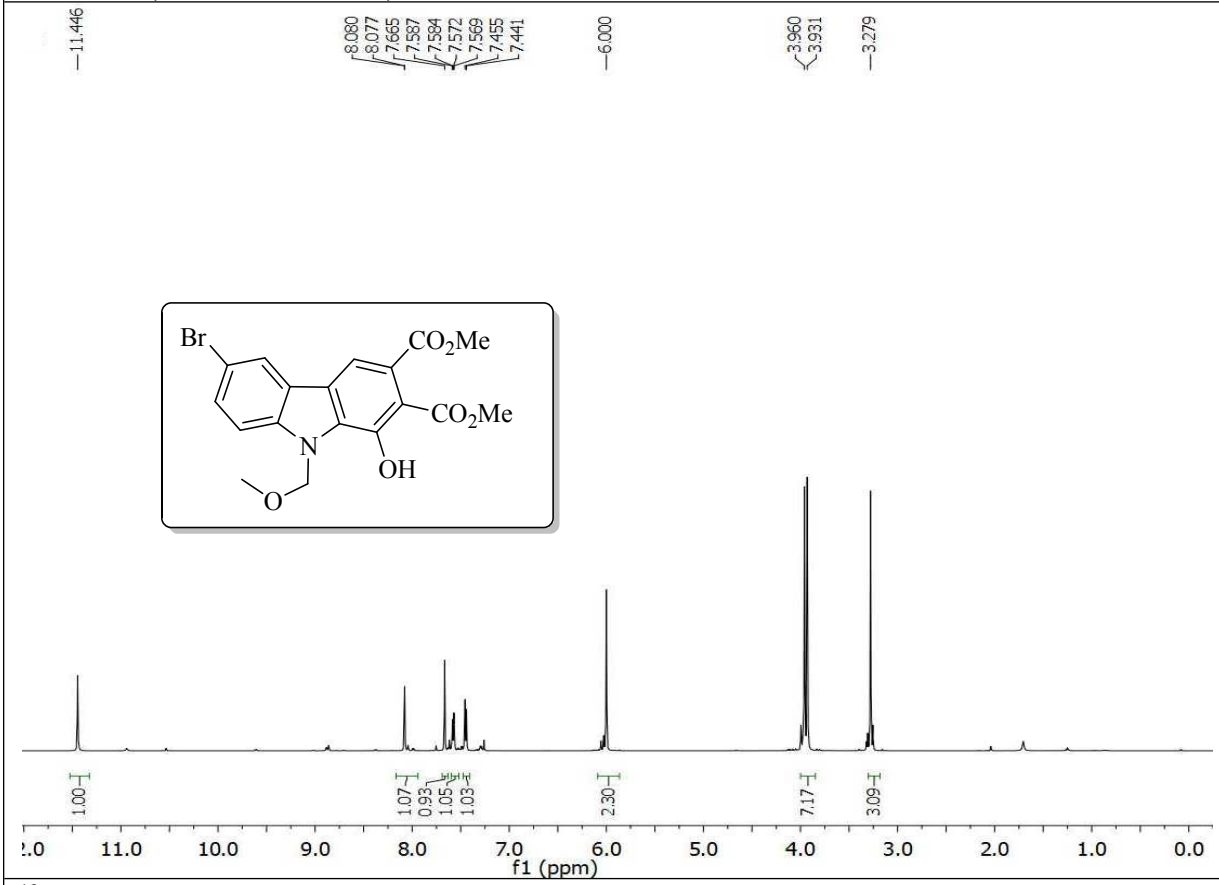
^{1}H NMR (600 MHz, $CDCl_3$) of 21



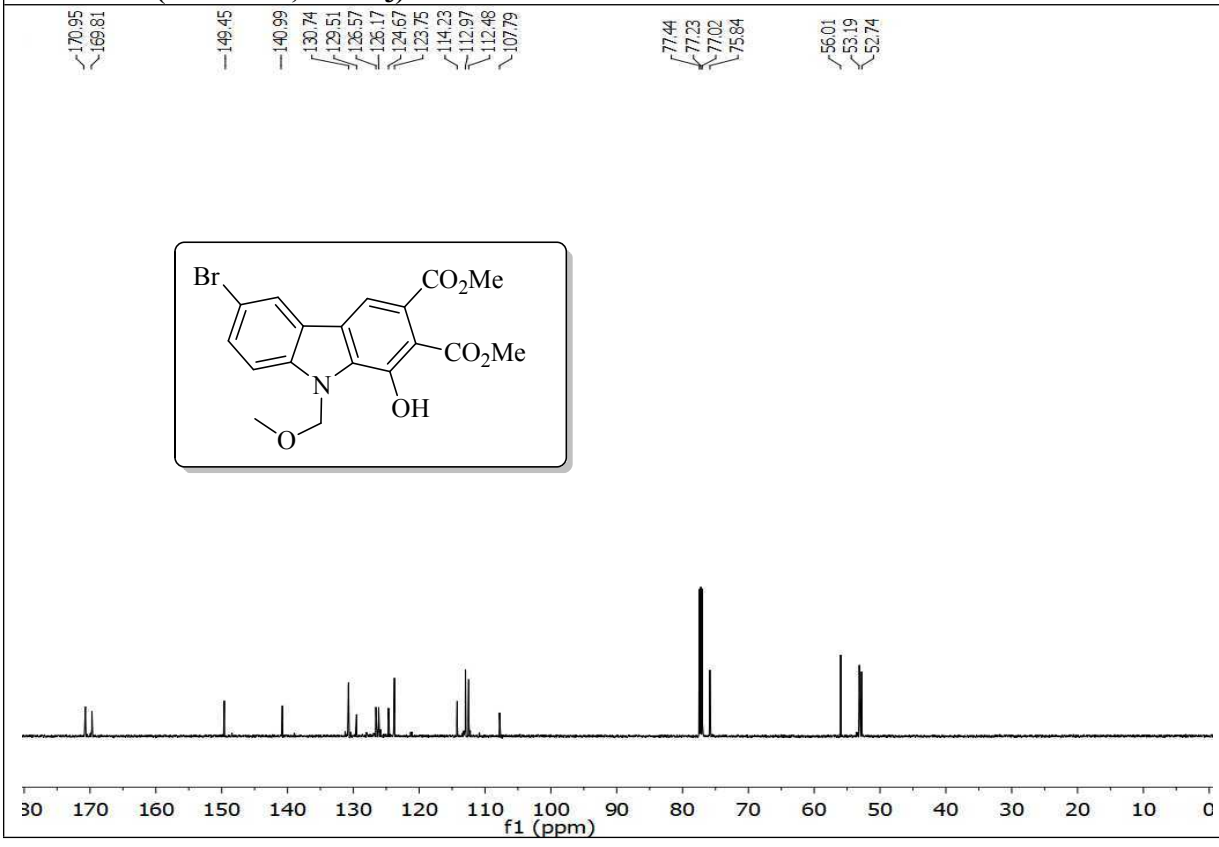
^{13}C NMR (150 MHz, $CDCl_3$) of 21



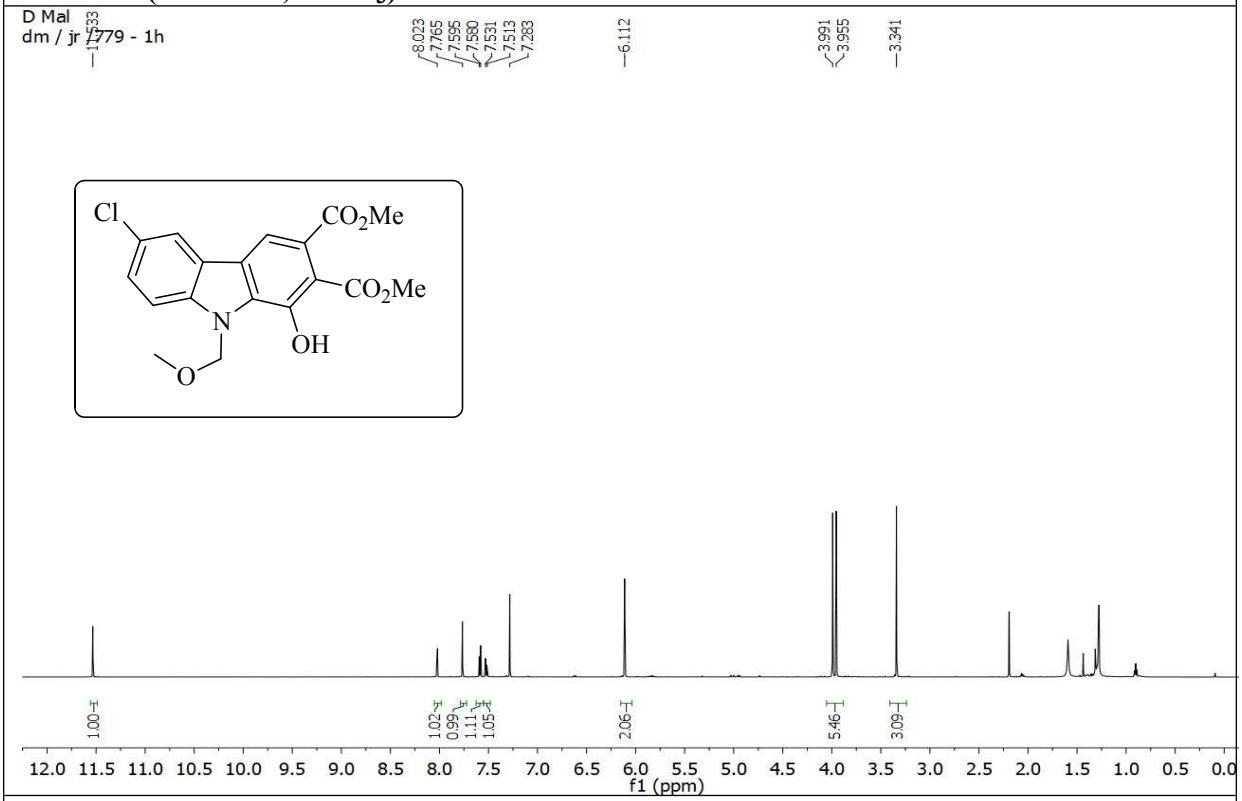
^{1}H NMR (600 MHz, $CDCl_3$) of 22



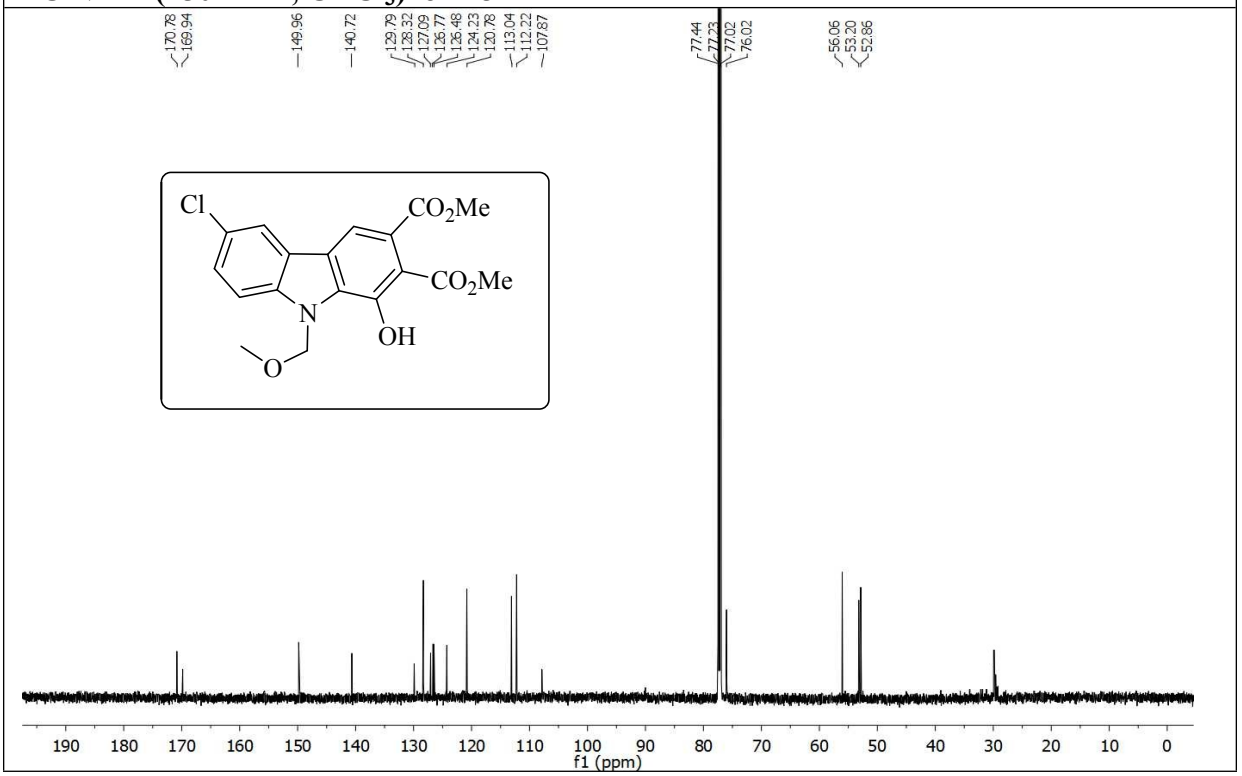
^{13}C NMR (150 MHz, $CDCl_3$) of 22



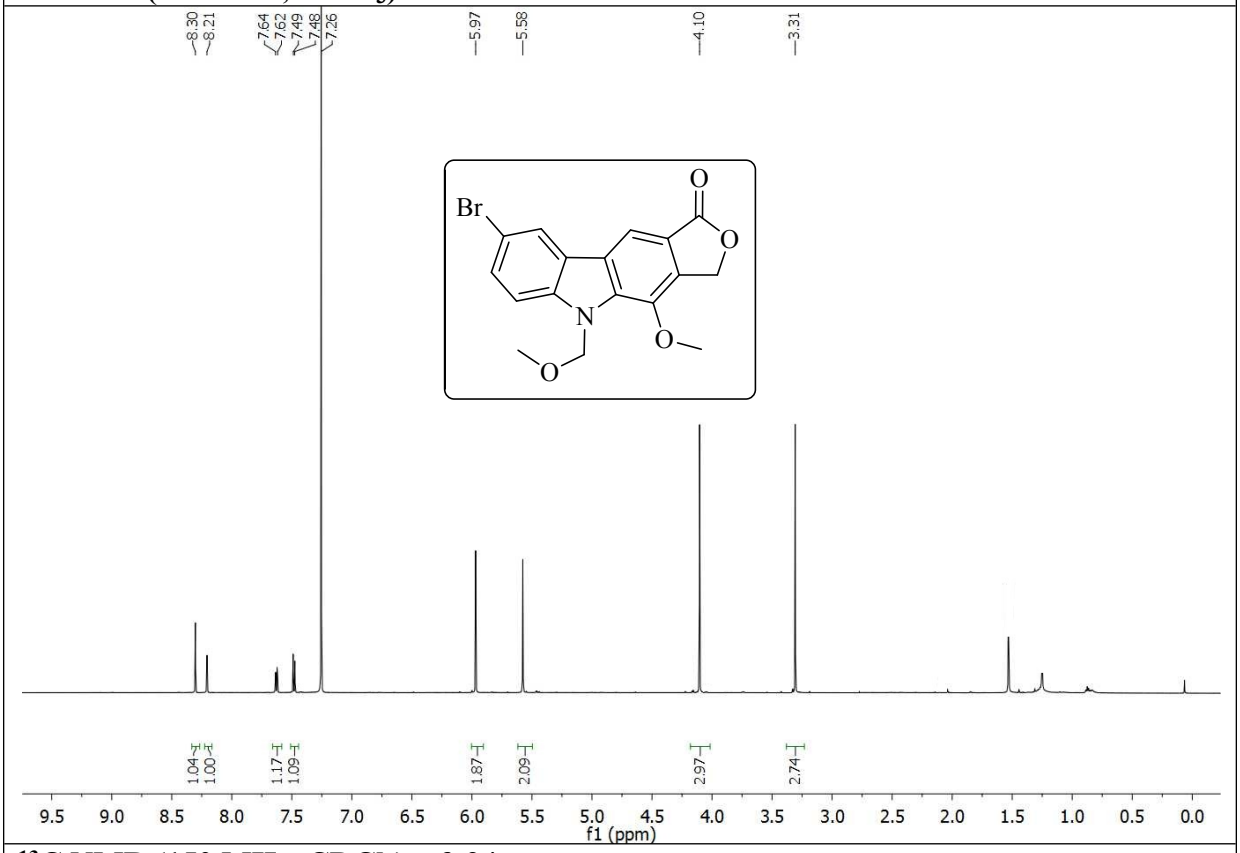
^{1}H NMR (600 MHz, $CDCl_3$) of 23



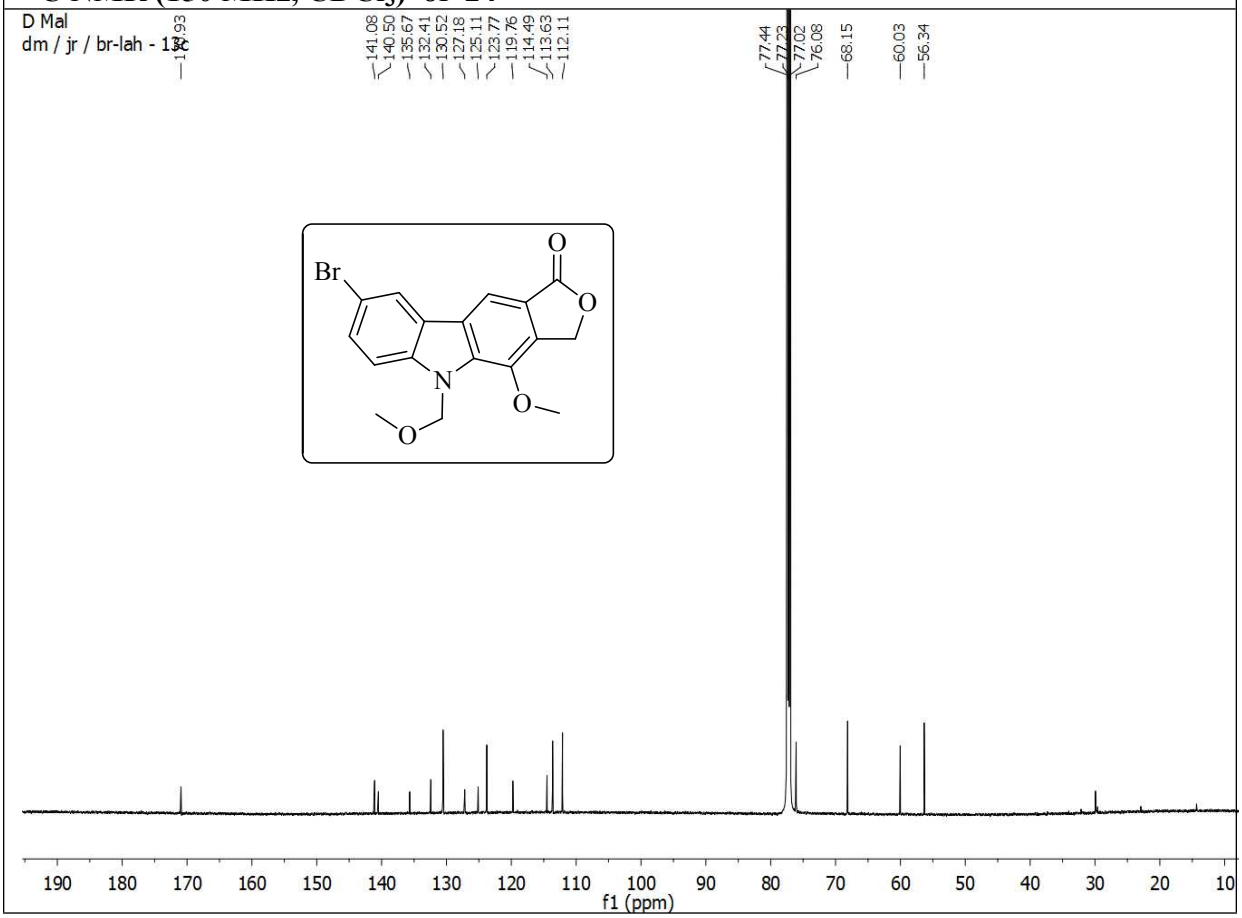
^{13}C NMR (150 MHz, $CDCl_3$) of 23



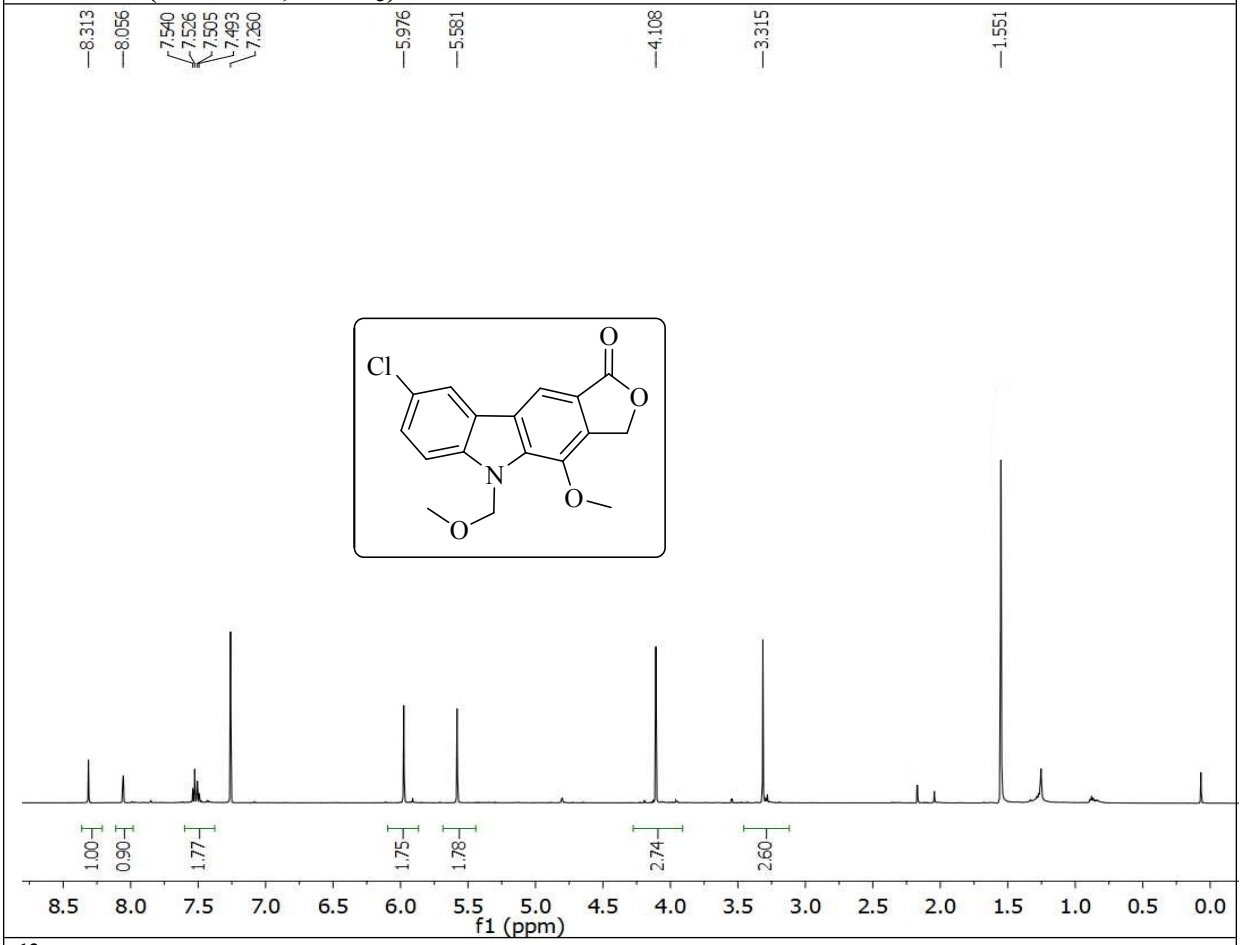
^{1}H NMR (600 MHz, $CDCl_3$) of 24



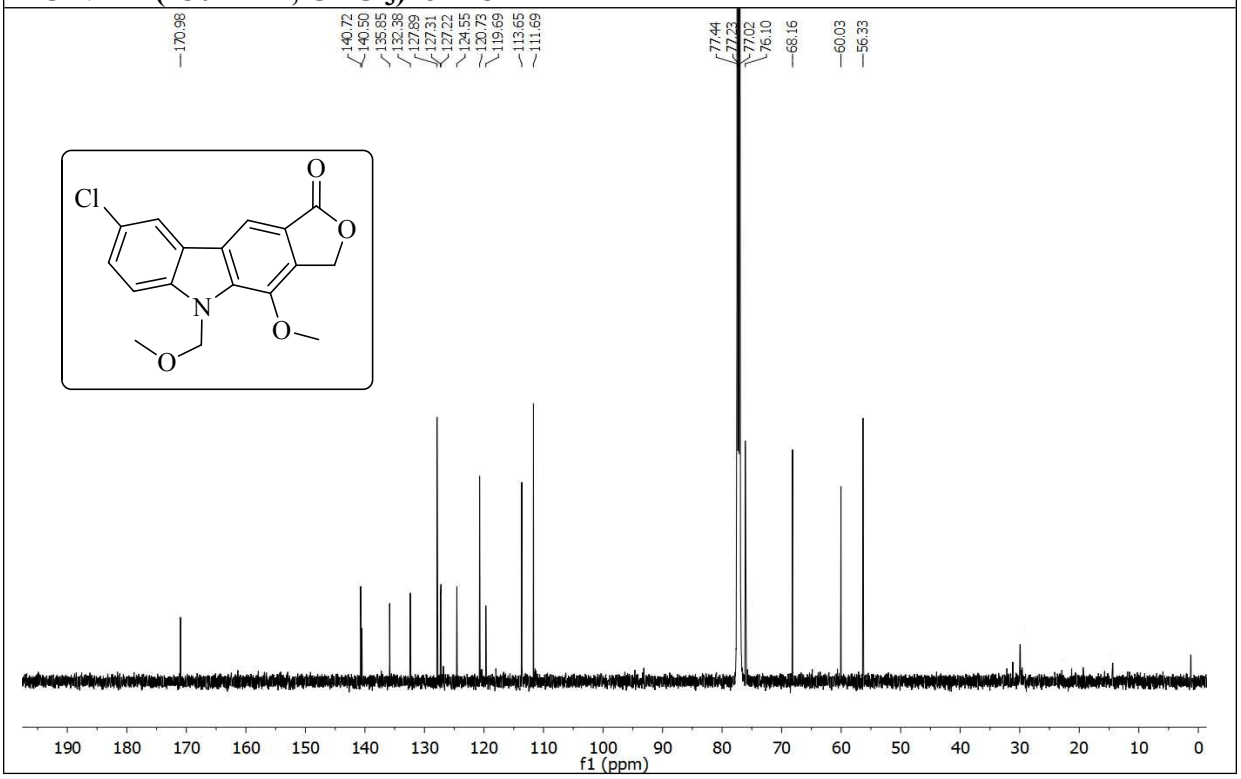
^{13}C NMR (150 MHz, $CDCl_3$) of 24



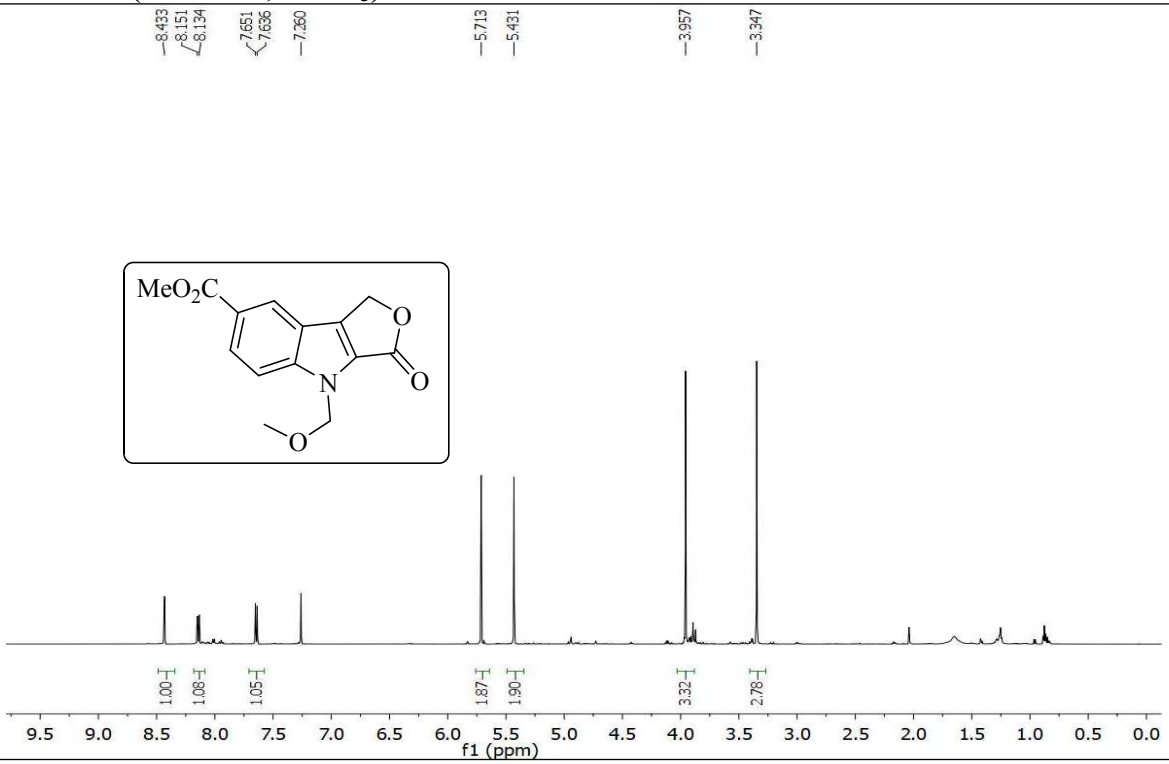
^{1}H NMR (600 MHz, $CDCl_3$) of 25



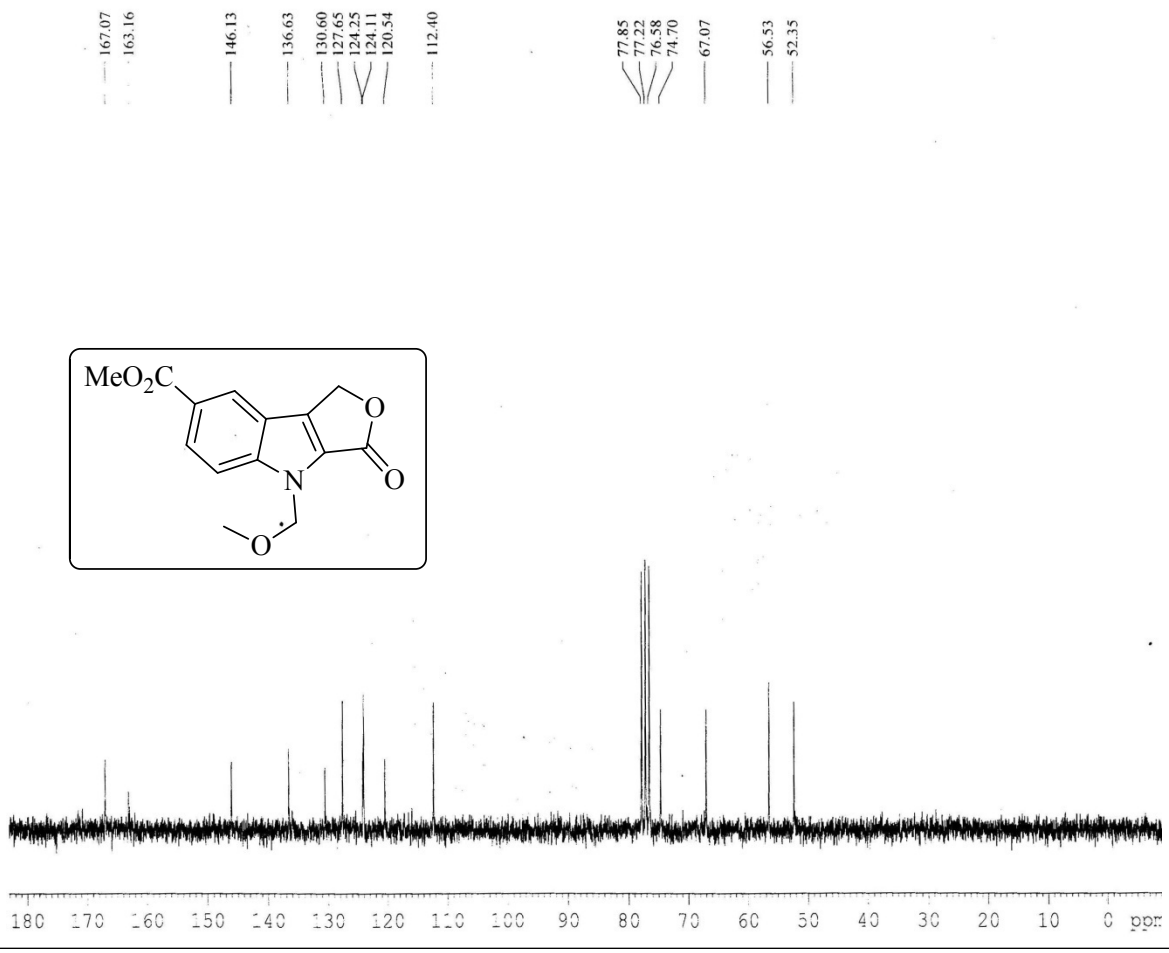
^{13}C NMR (150 MHz, $CDCl_3$) of 25



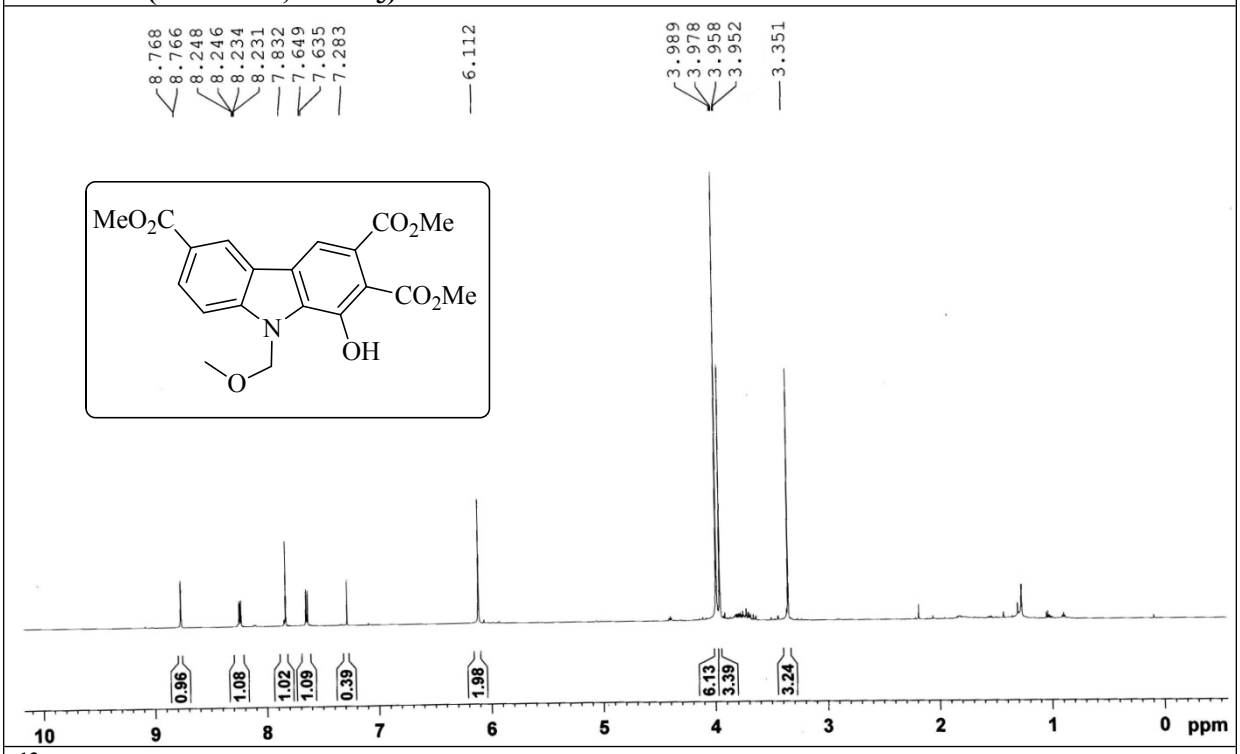
^{1}H NMR (600 MHz, $CDCl_3$) of 26



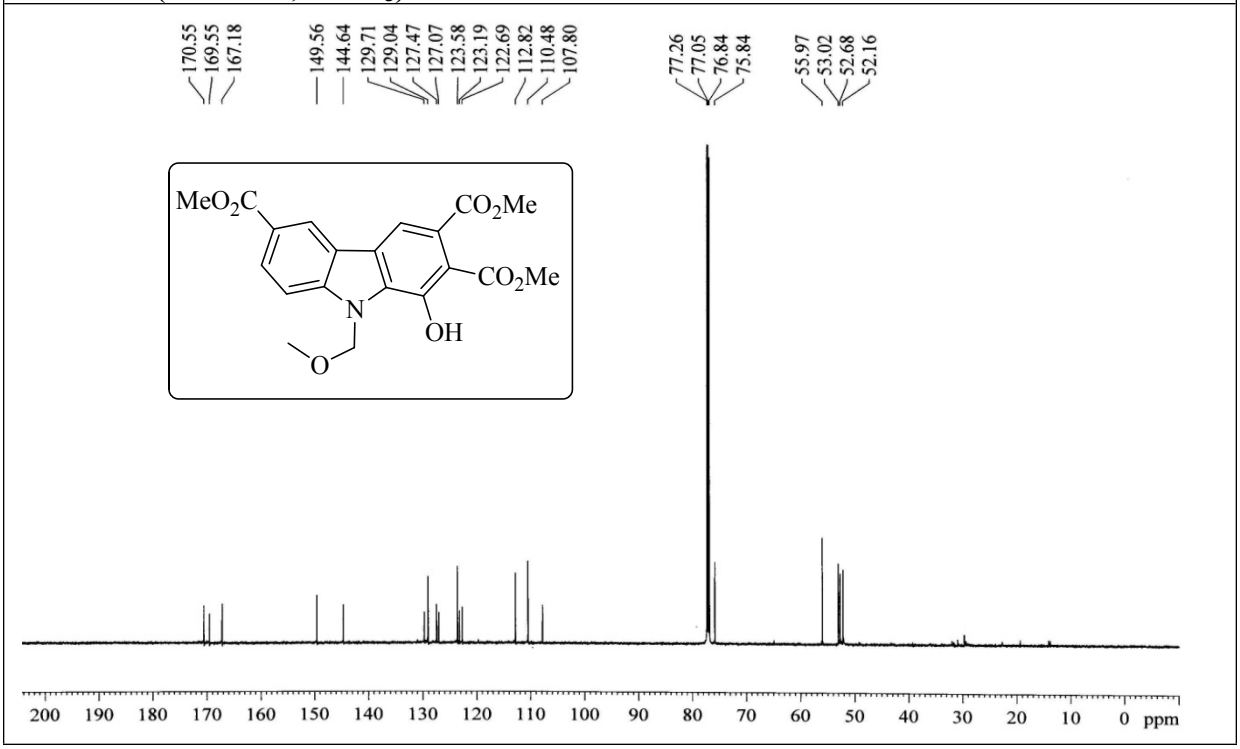
^{13}C NMR (50 MHz, $CDCl_3$) of 26



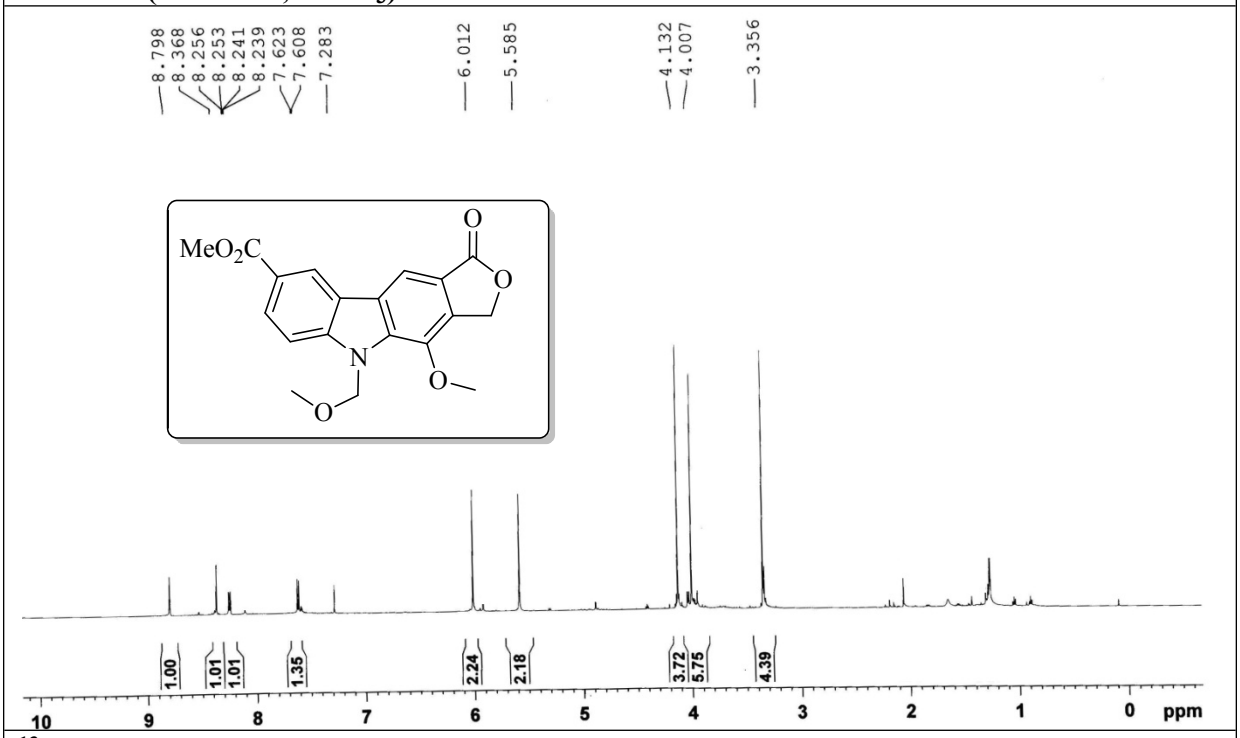
^{1}H NMR (600 MHz, $CDCl_3$) of 27



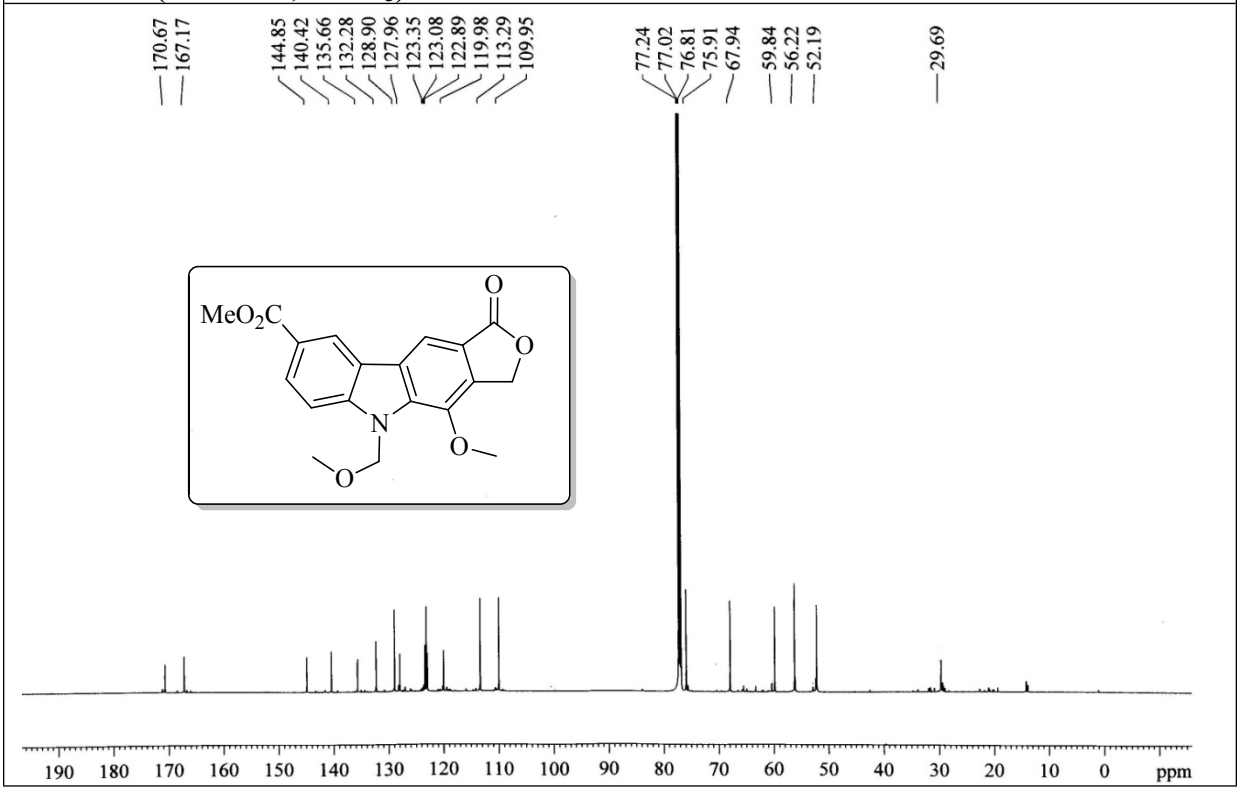
^{13}C NMR (150 MHz, $CDCl_3$) of 27



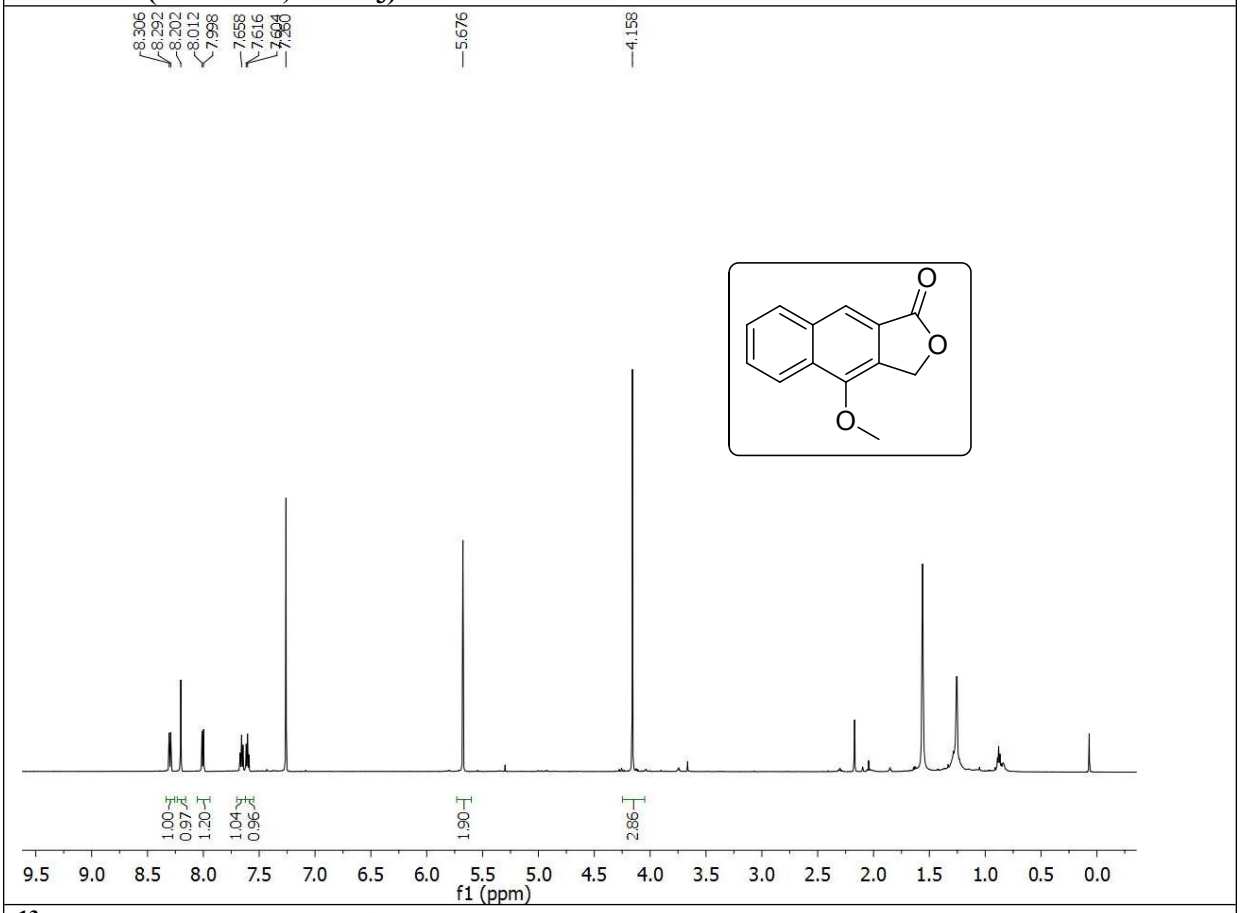
^{1}H NMR (600 MHz, $CDCl_3$) of 28



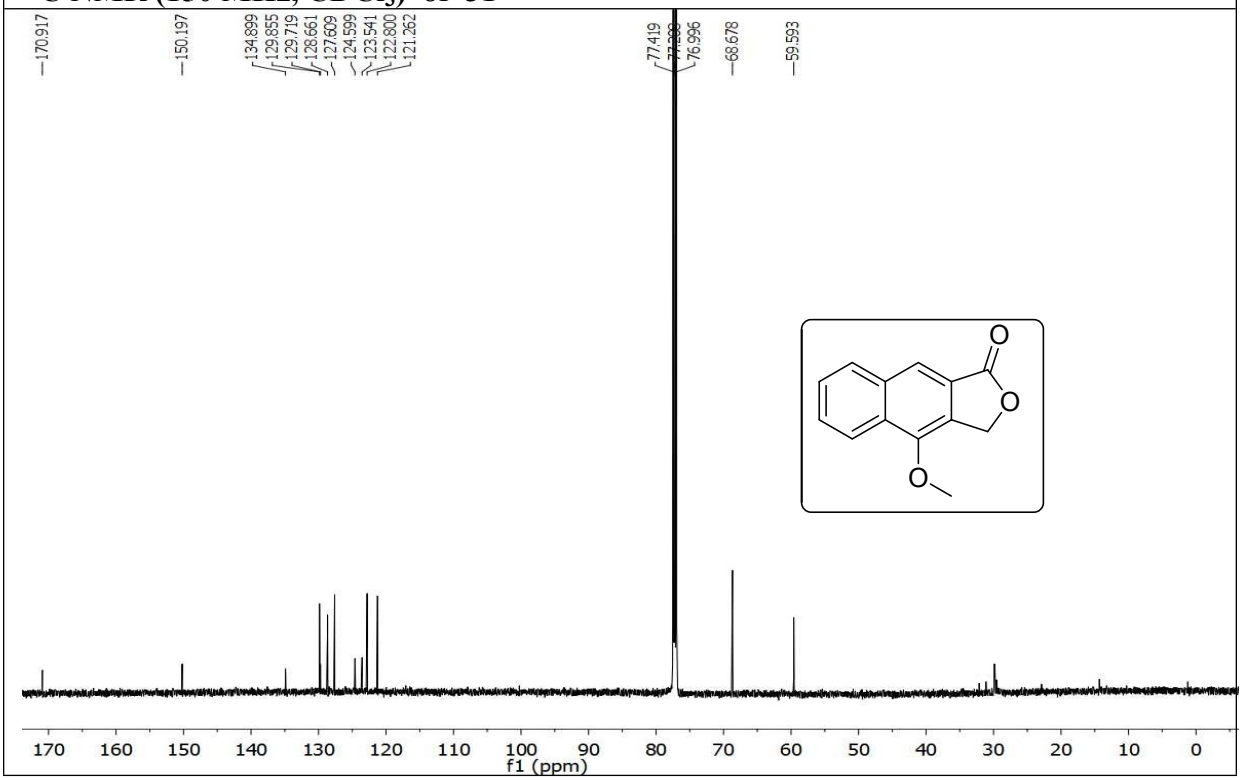
^{13}C NMR (150 MHz, $CDCl_3$) of 28



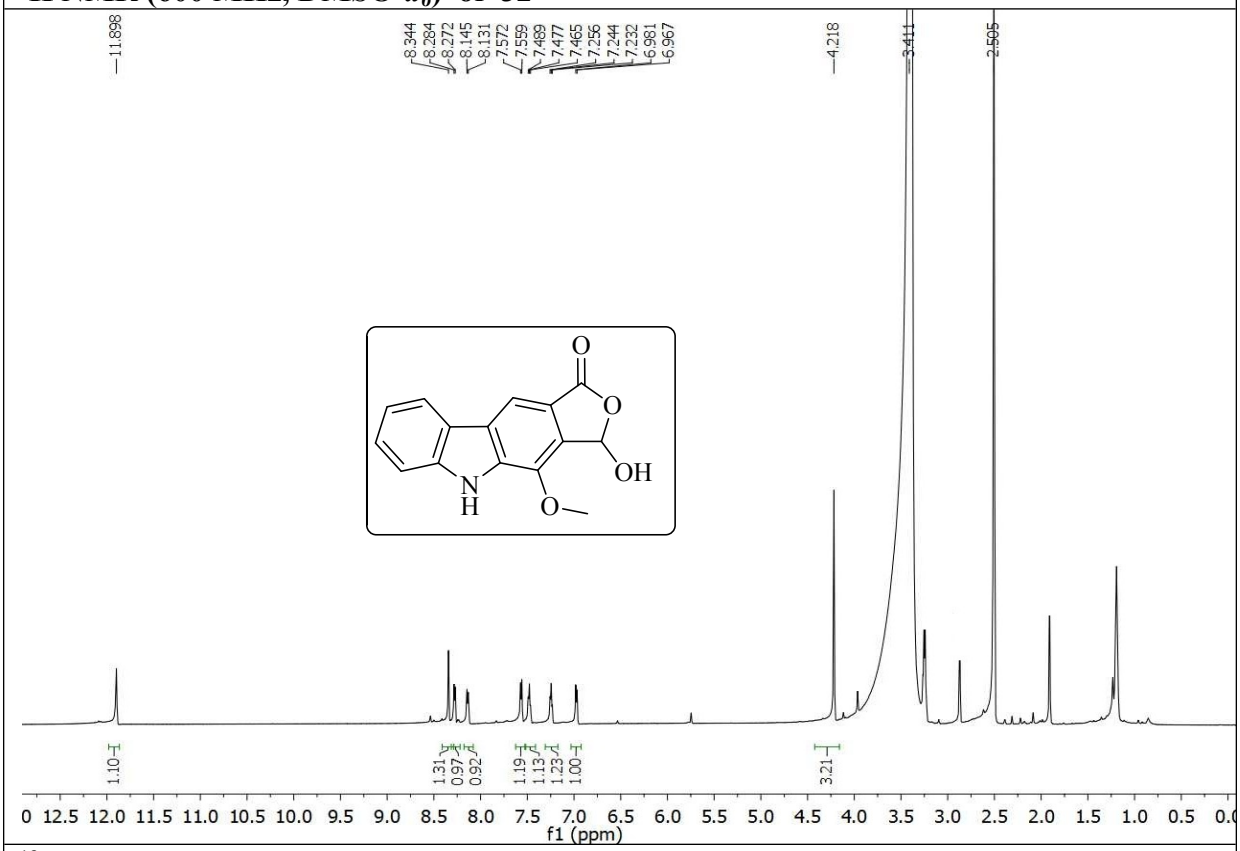
^{1}H NMR (600 MHz, $CDCl_3$) of 31



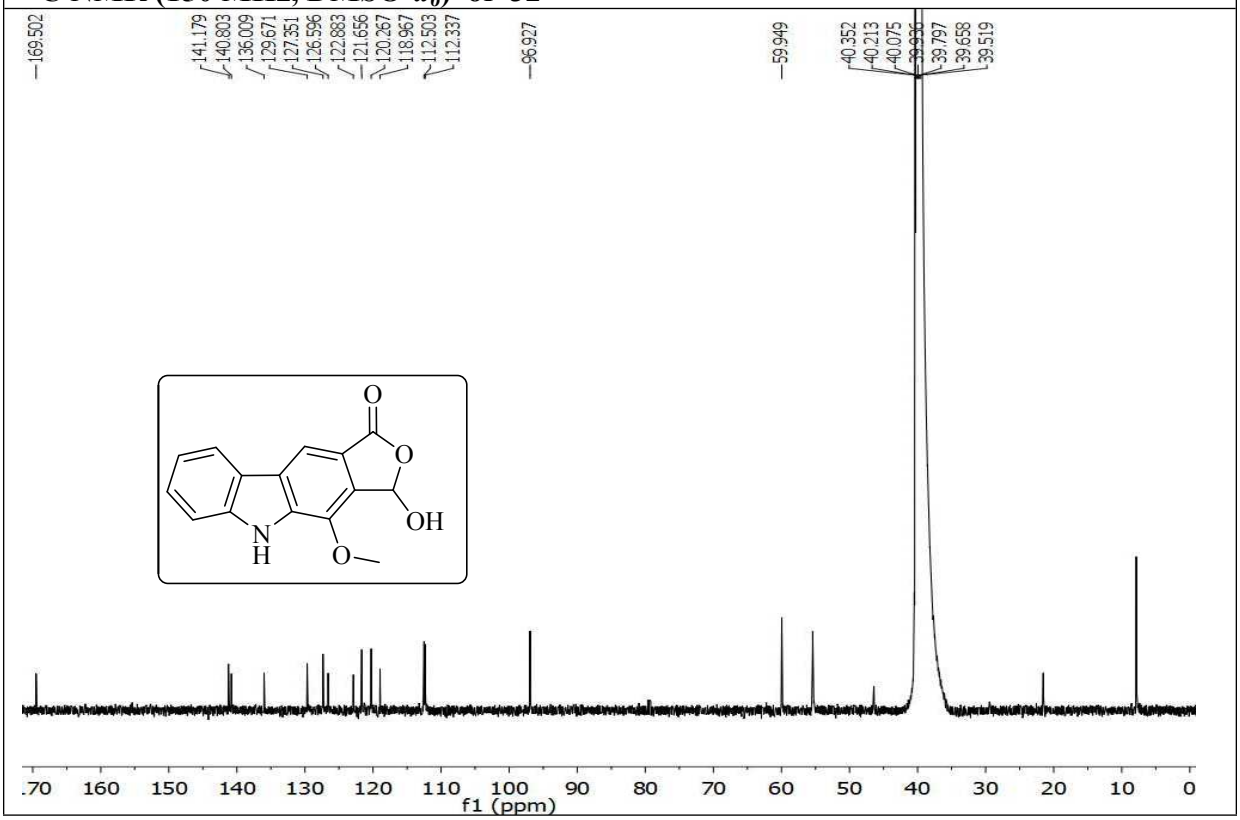
^{13}C NMR (150 MHz, $CDCl_3$) of 31



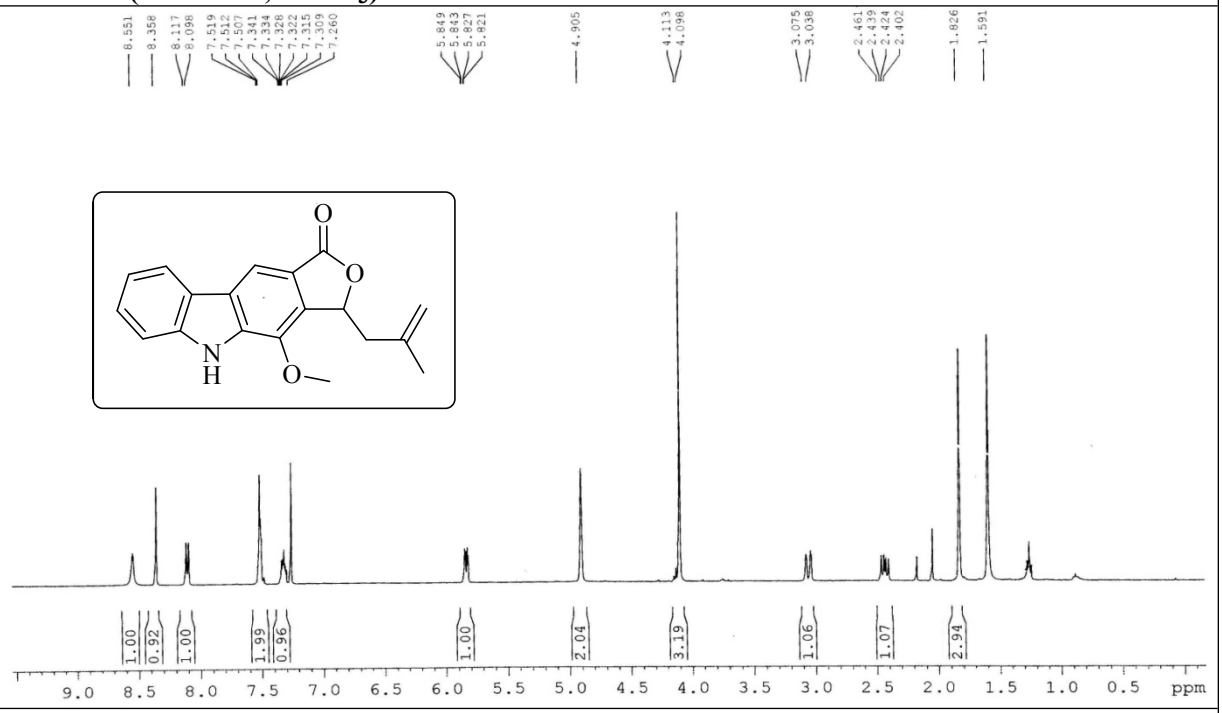
^{1}H NMR (600 MHz, DMSO-d_6) of 32



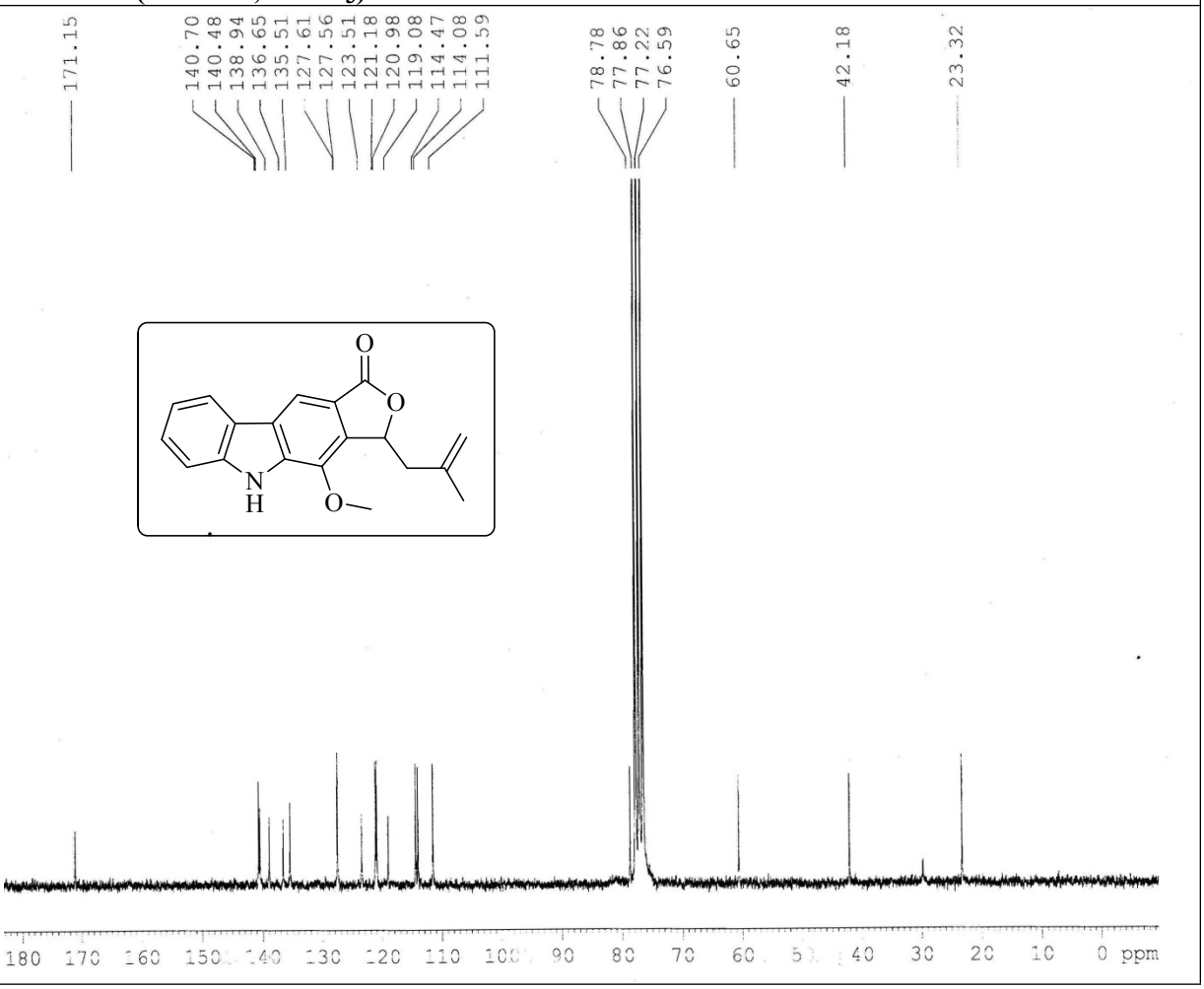
^{13}C NMR (150 MHz, DMSO-d_6) of 32



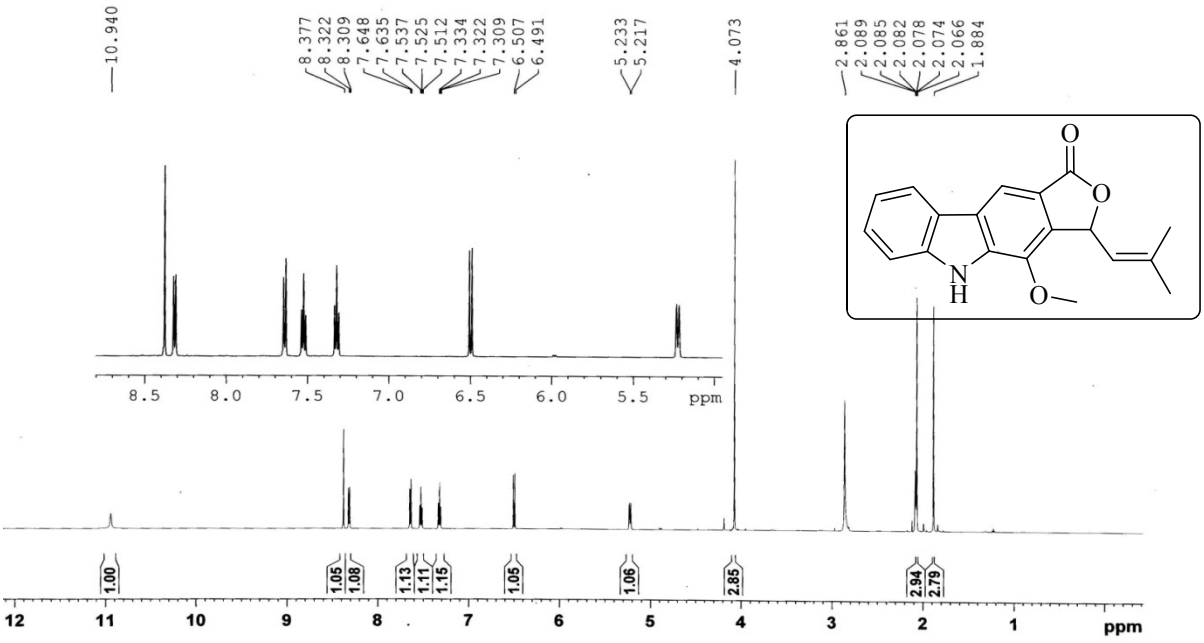
^{1}H NMR (400 MHz, $CDCl_3$) of 34



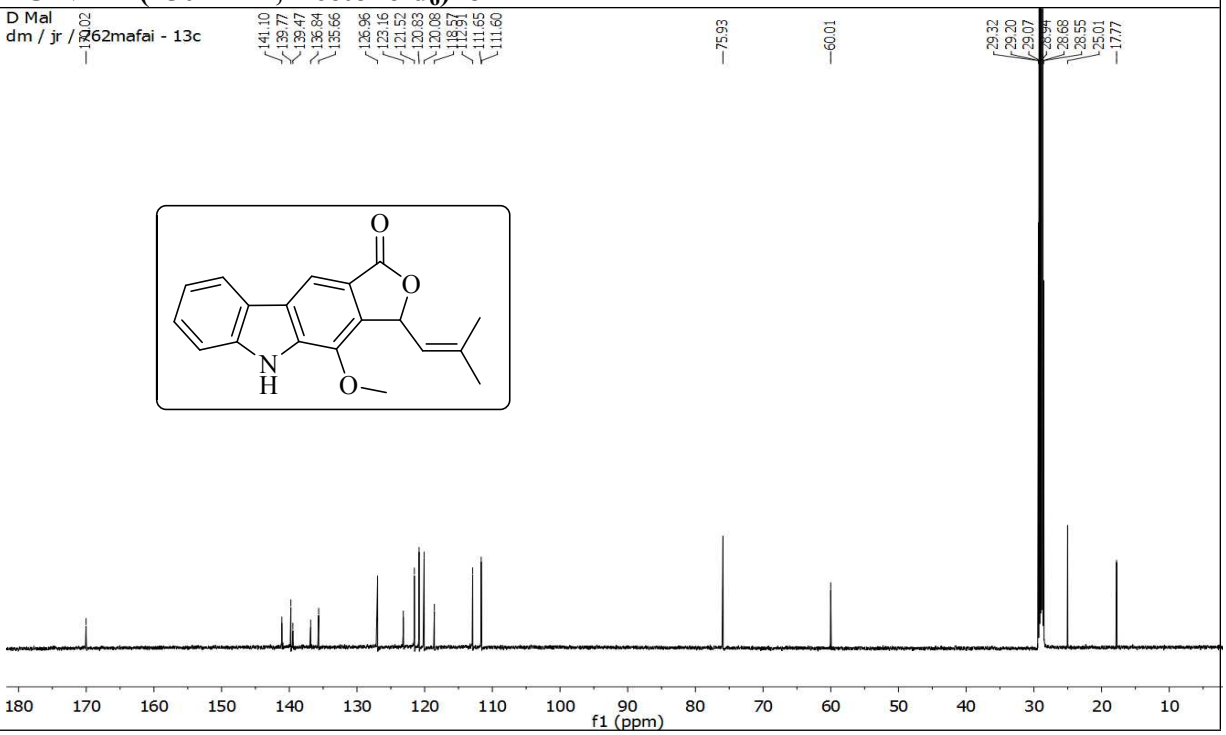
^{13}C NMR (50 MHz, $CDCl_3$) of 34



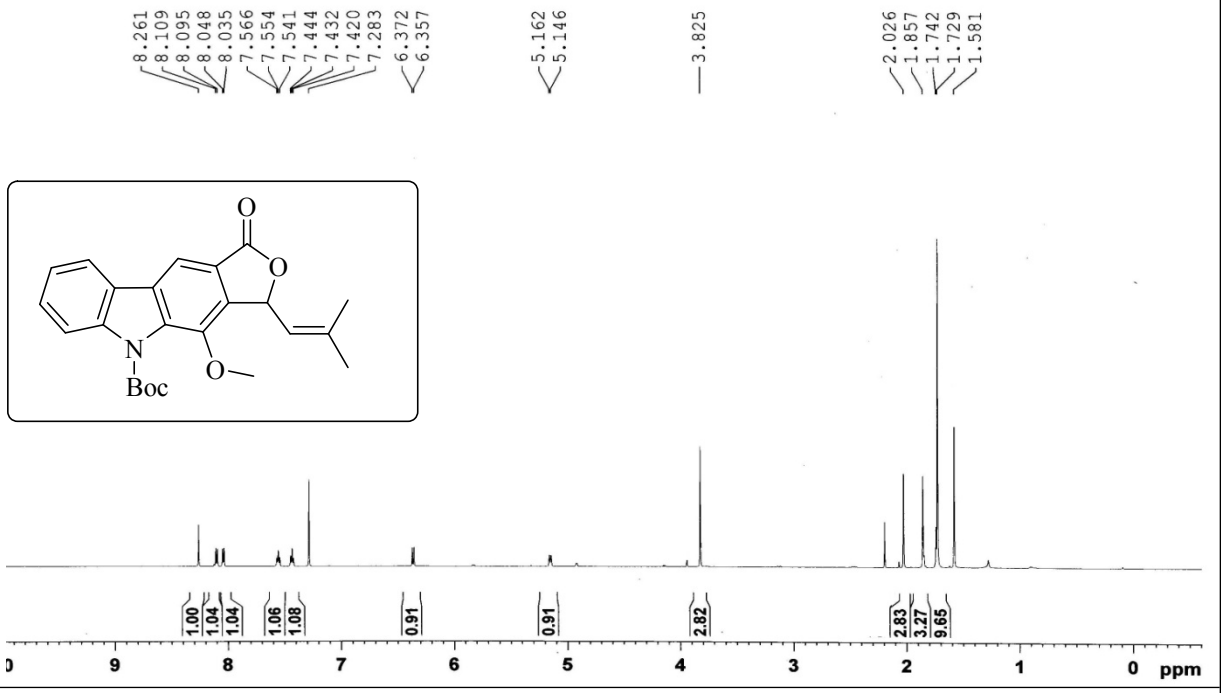
^{1}H NMR (600 MHz, Acetone-d_6) of 1



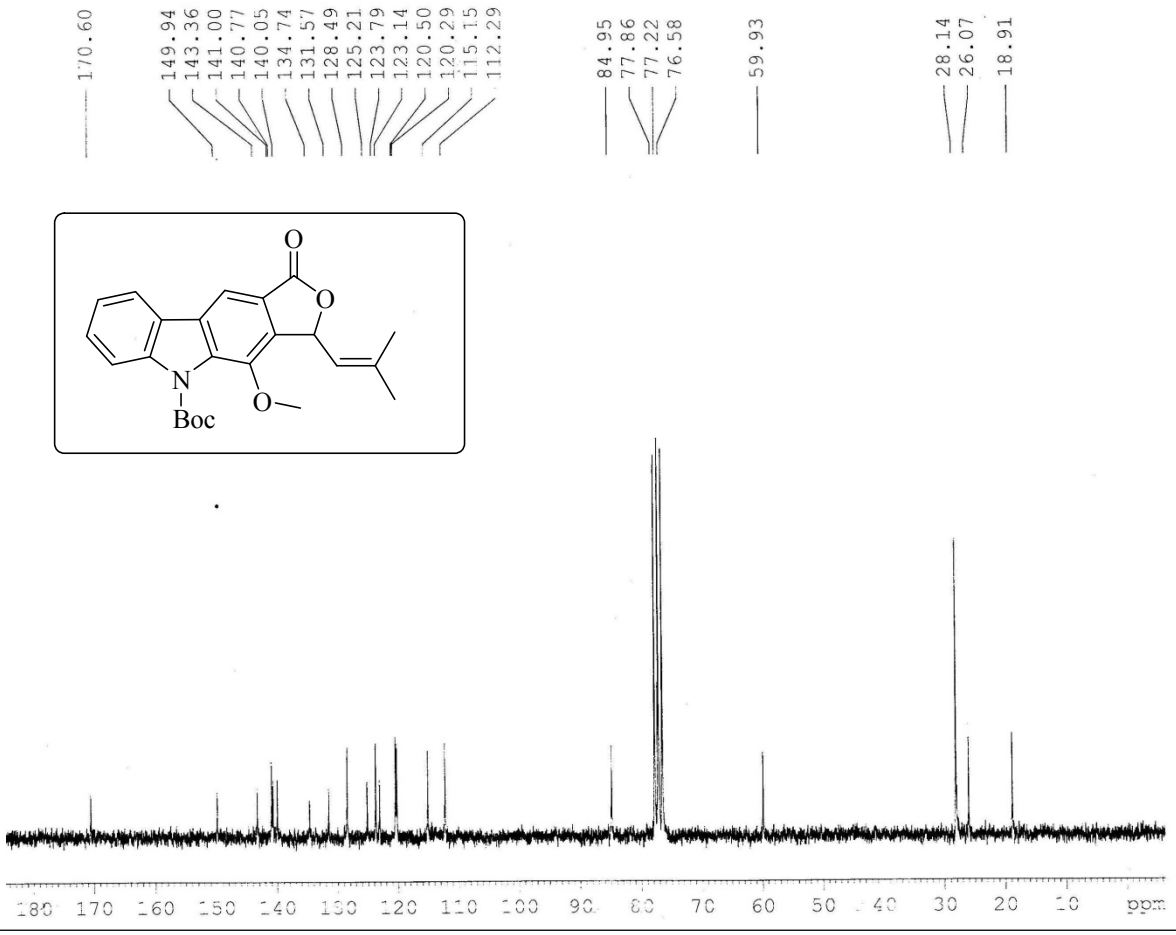
^{13}C NMR (150 MHz, Acetone-d_6) of 1



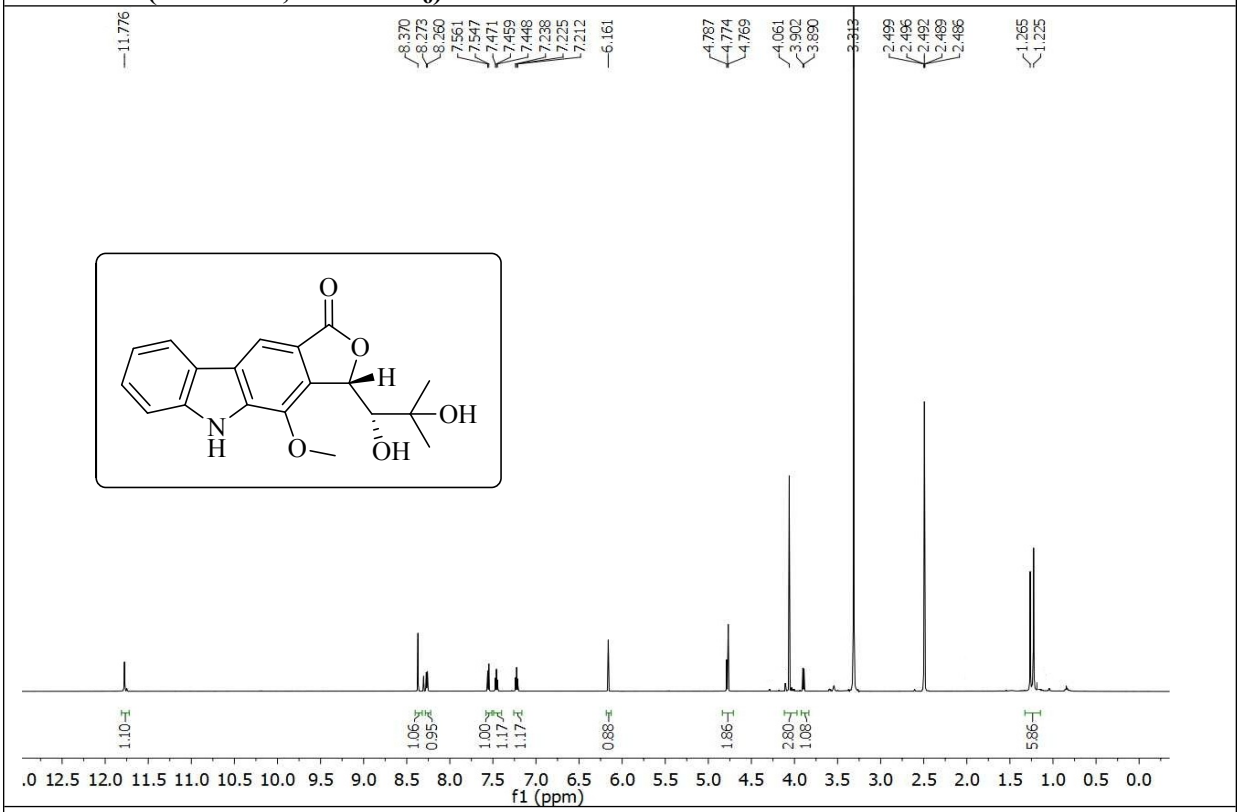
^{1}H NMR (600 MHz, $CDCl_3$) of 35



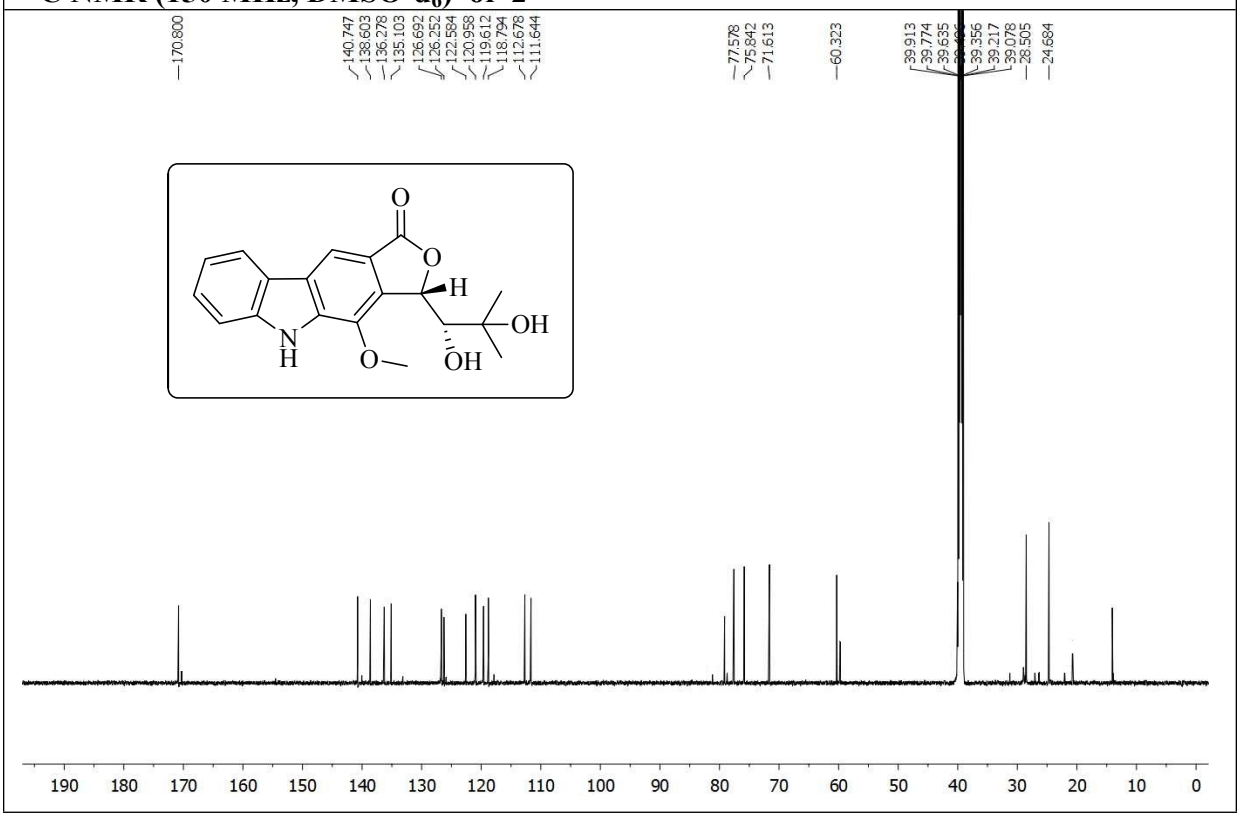
^{13}C NMR (50 MHz, $CDCl_3$) of 35



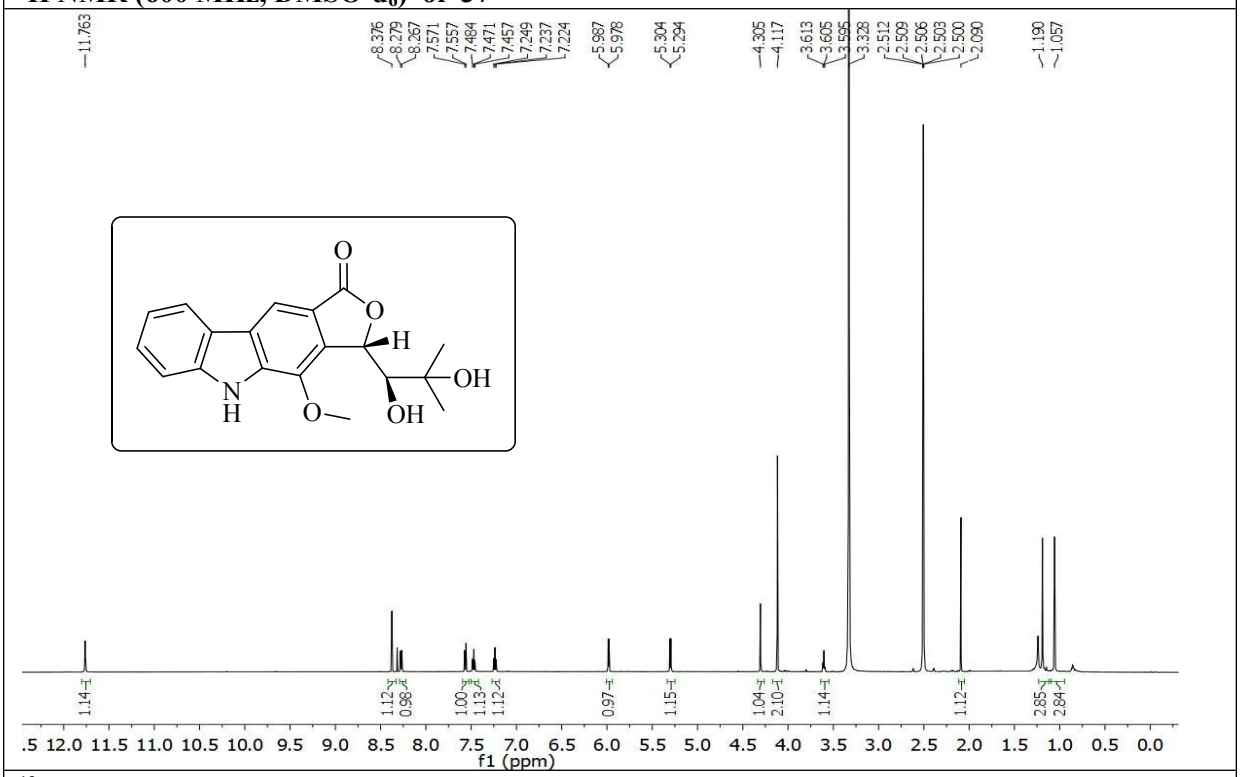
^{1}H NMR (600 MHz, DMSO-d_6) of 2



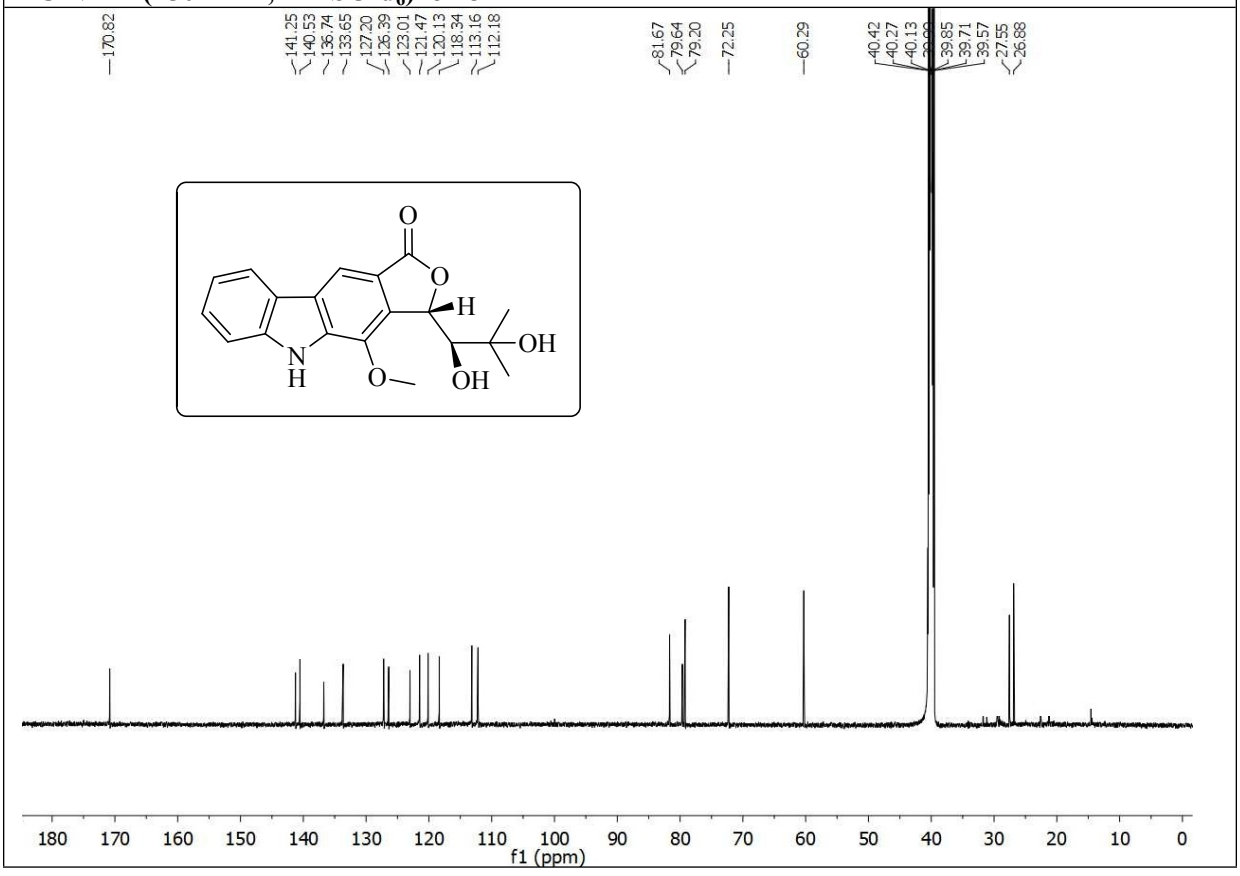
^{13}C NMR (150 MHz, DMSO-d_6) of 2



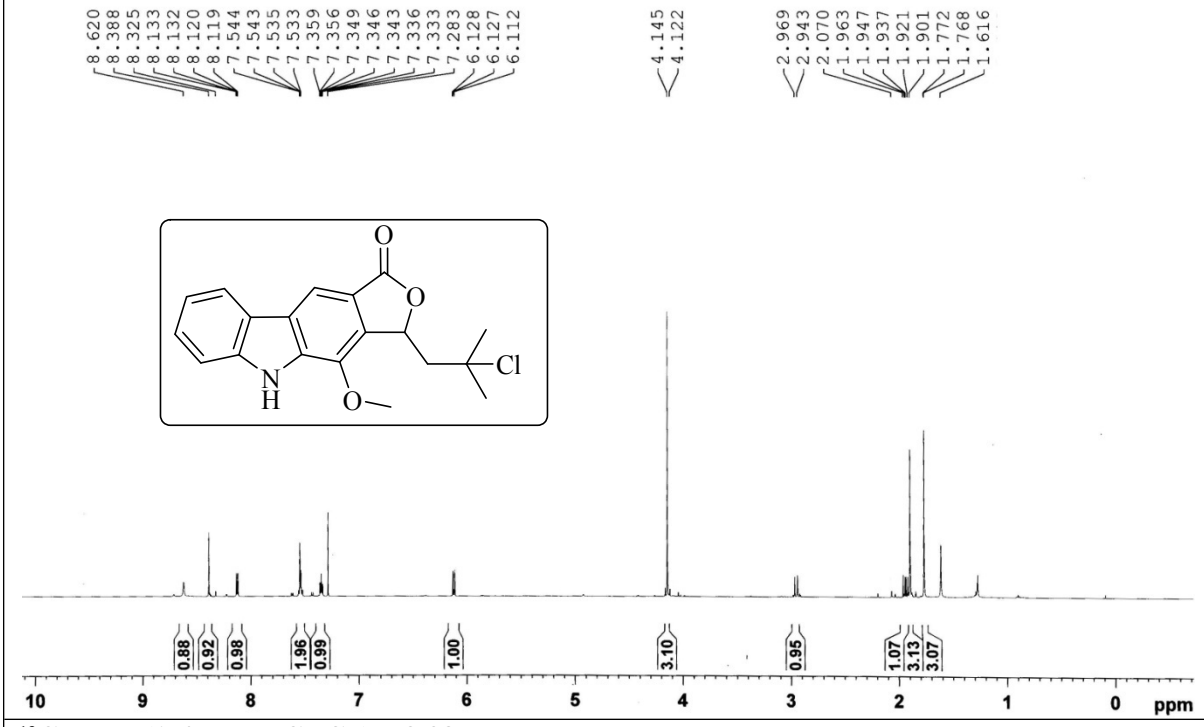
^{1}H NMR (600 MHz, DMSO-d_6) of 37



^{13}C NMR (150 MHz, DMSO-d_6) of 37



^{1}H NMR (600 MHz, $CDCl_3$) of 38



^{13}C NMR (150 MHz, $CDCl_3$) of 38