10.1071/CH15457_AC

Australian Journal of Chemistry 2015, 68(11), 1773-1782

Supplementary Material

An Alternating Donor-Acceptor Conjugated Polymer Based on Benzodithiophene and [3,4-c]pyrrole-4,6-dione: Synthesis, Characterization and Application in Photovoltaic Devices

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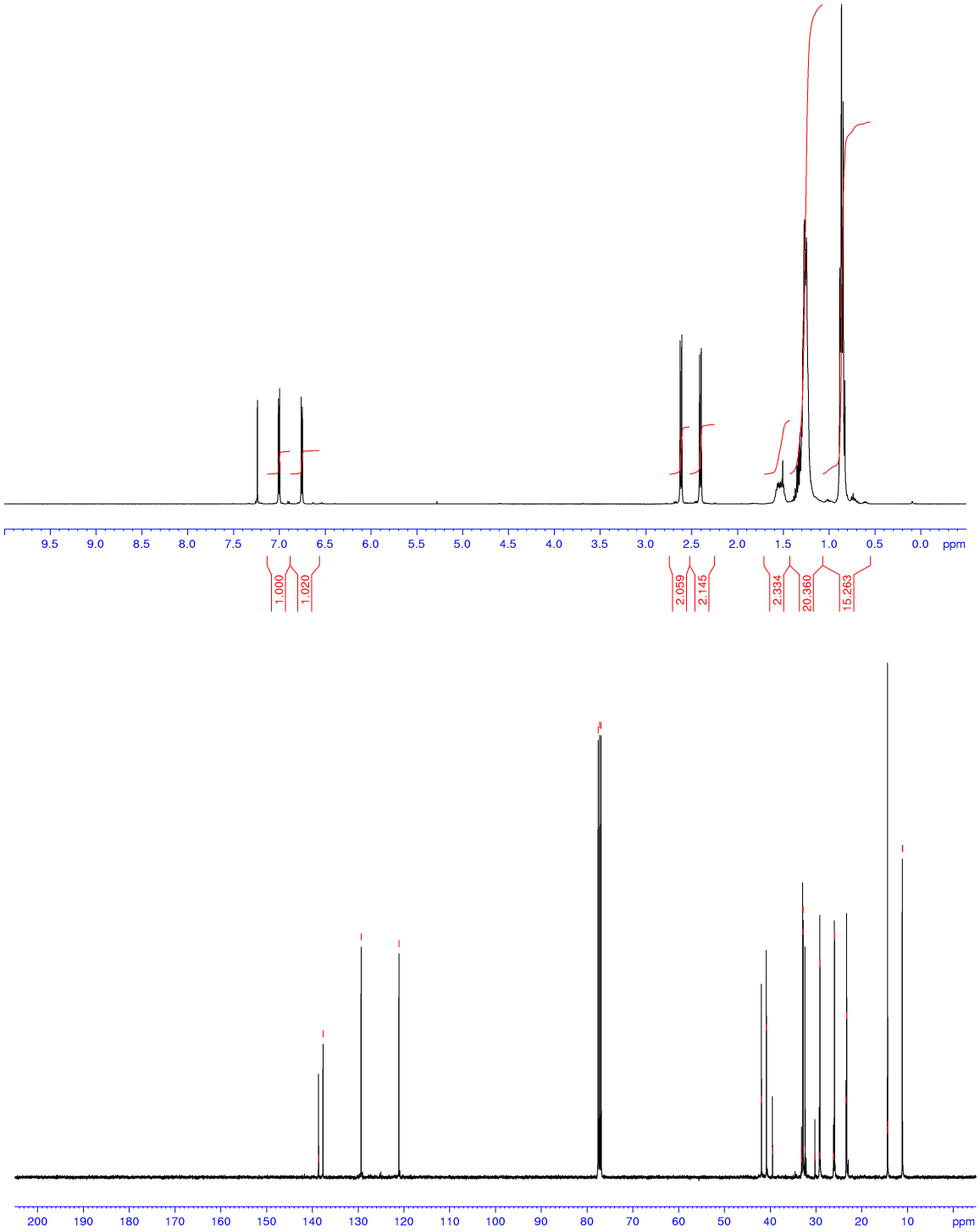


Figure 1 ^{1}H-NMR (400 MHz) and ^{13}C-NMR (100 MHz) in $CDCl_3$ of compound **2**

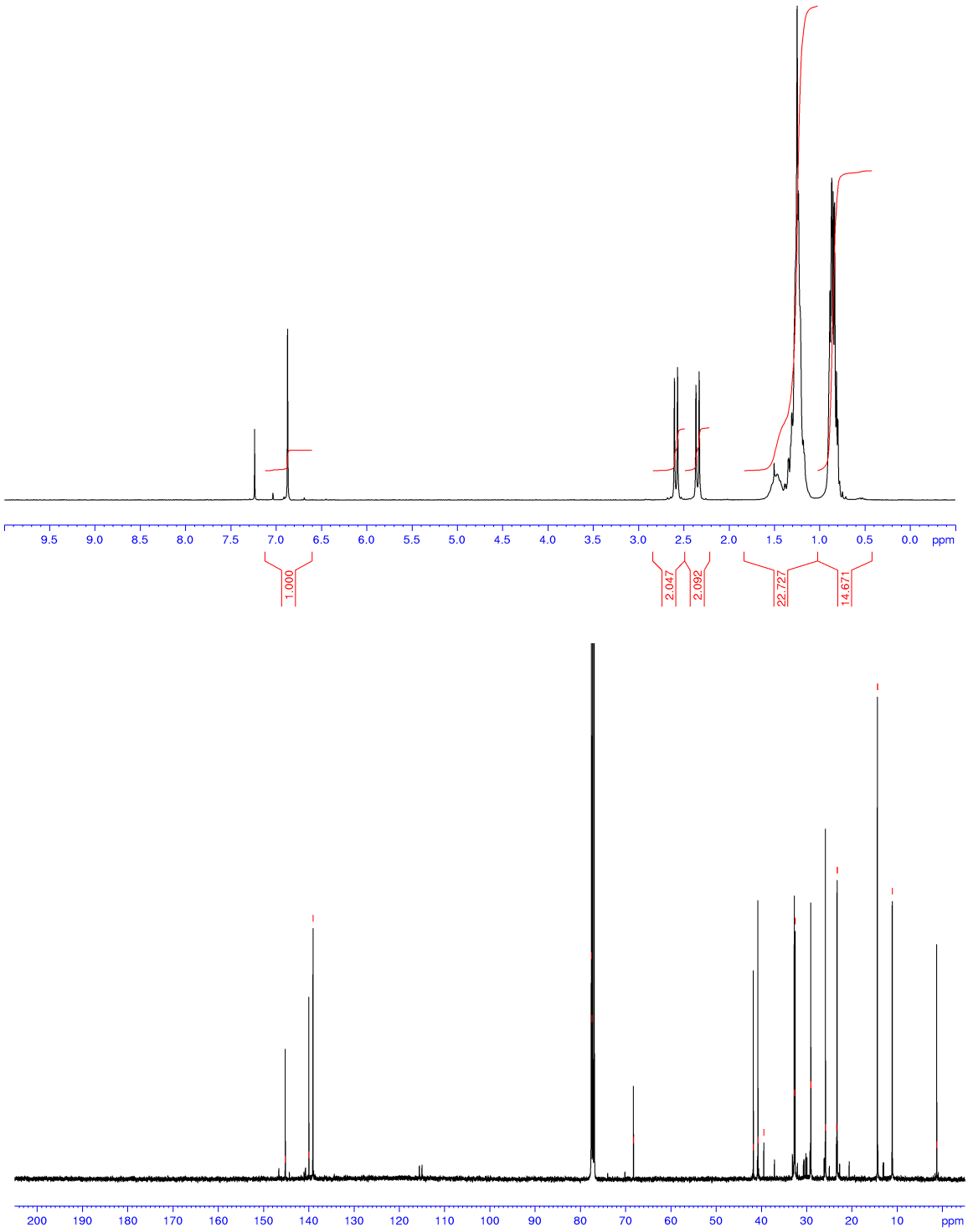


Figure 2 ^{1}H-NMR (200 MHz) and ^{13}C-NMR (100 MHz) in $CDCl_3$ of compound **3**

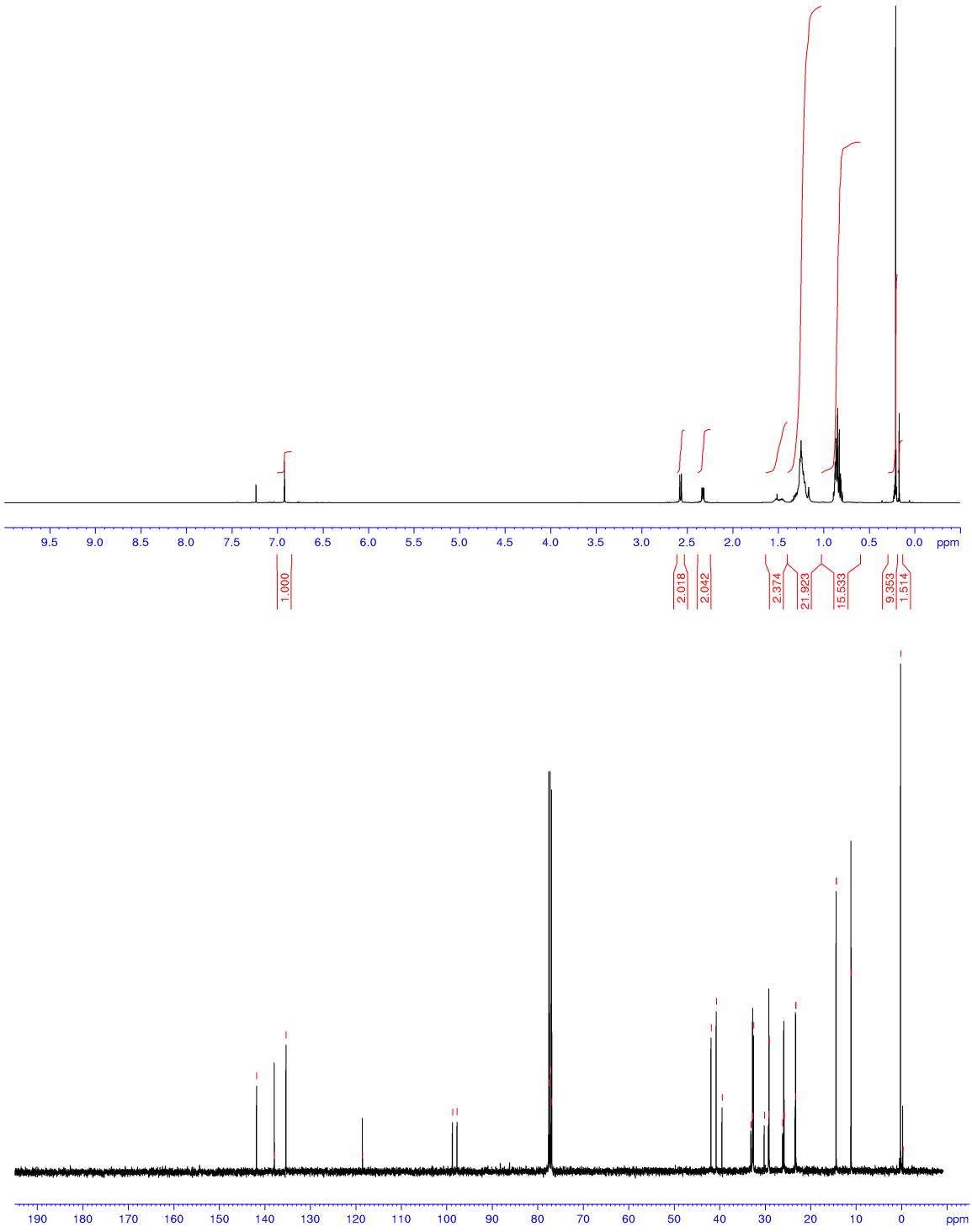


Figure 3 ^{1}H-NMR (400 MHz) and ^{13}C-NMR (100 MHz) in $CDCl_3$ of compound **4**

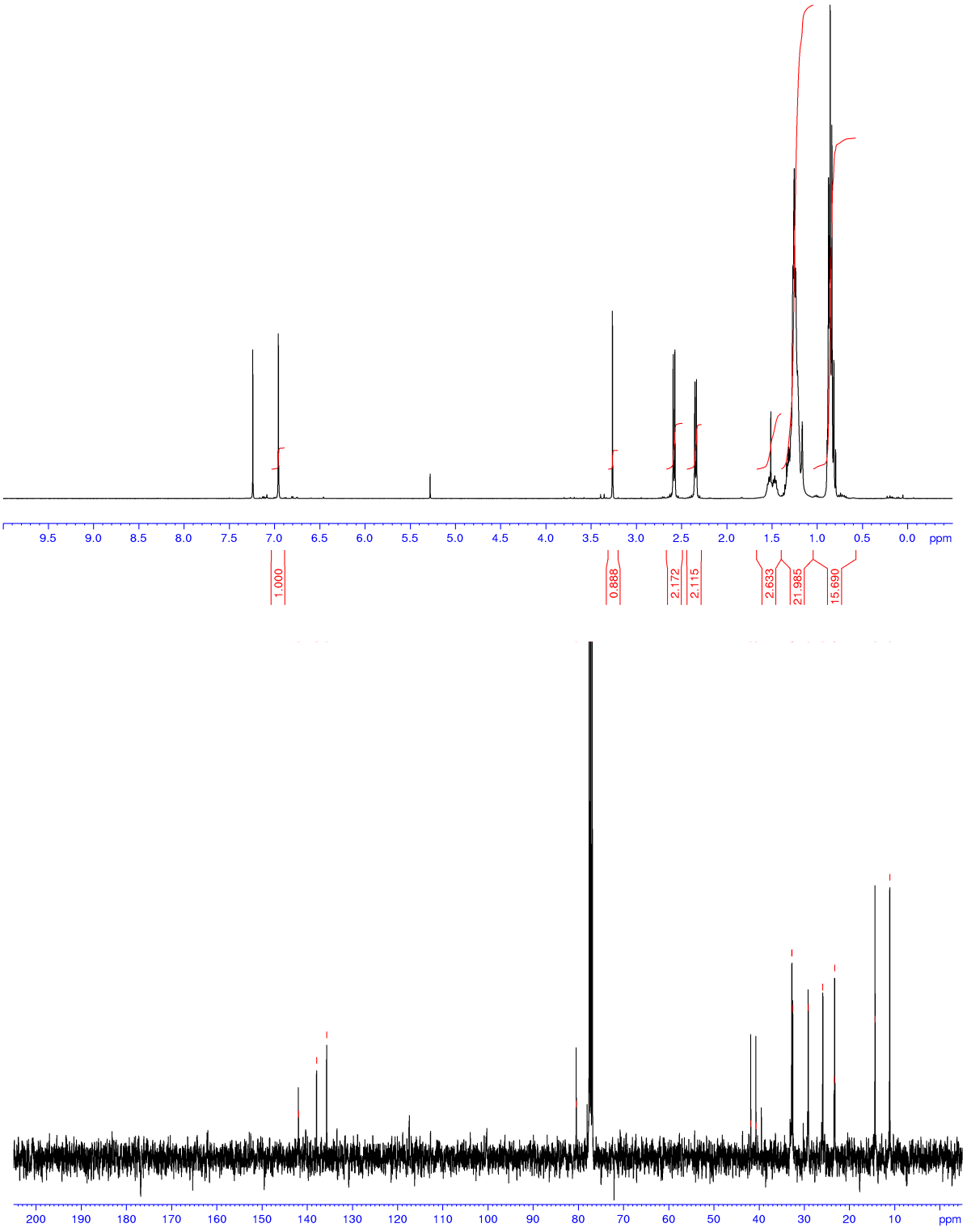


Figure 4 ^{1}H-NMR (400 MHz) and ^{13}C-NMR (100 MHz) in $CDCl_3$ of compound **5**

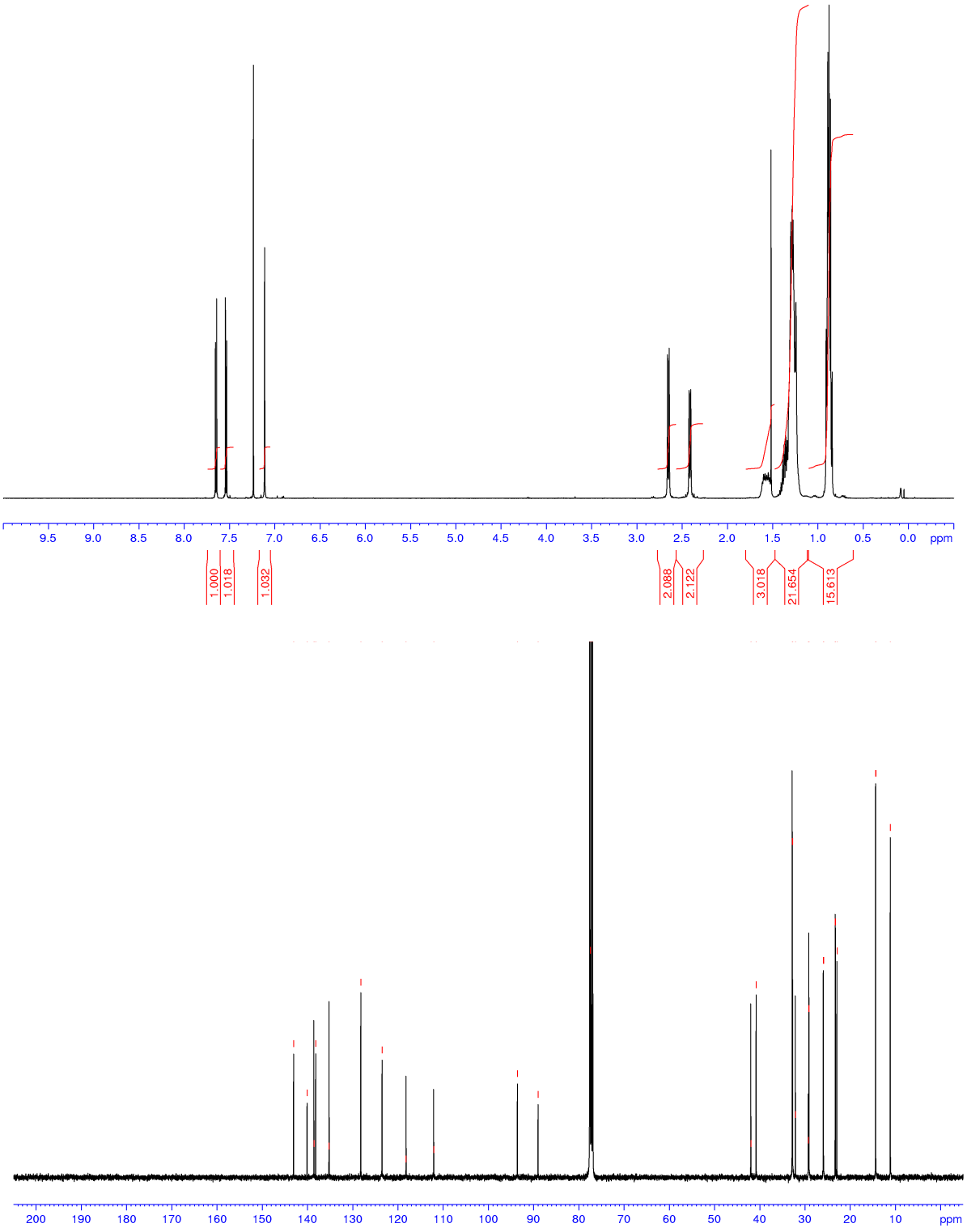


Figure 5 ^{1}H-NMR (400 MHz) and ^{13}C-NMR (100 MHz) in $CDCl_3$ of compound **7**

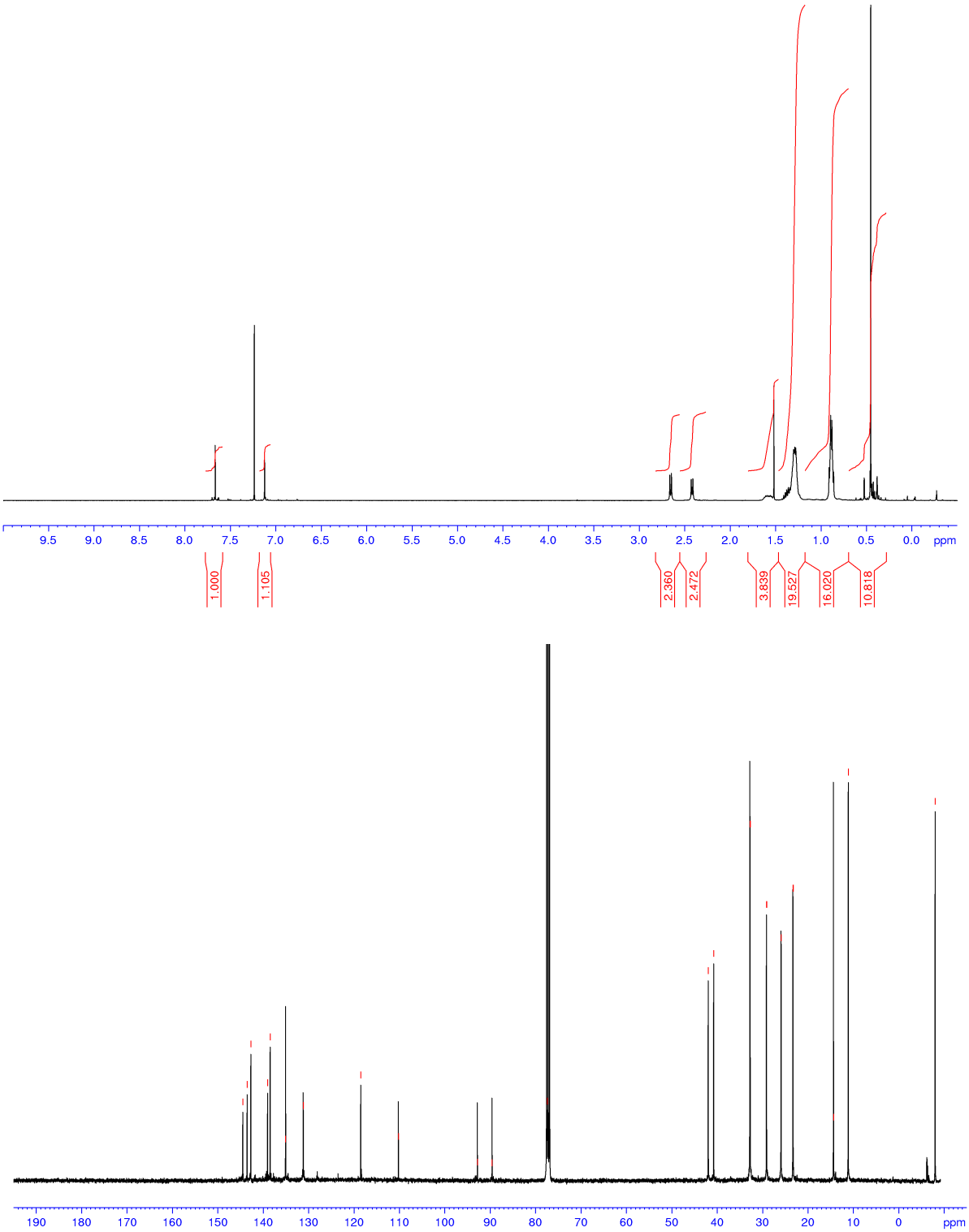


Figure 6 ^{1}H-NMR (400 MHz) and ^{13}C-NMR (100 MHz) in $CDCl_3$ of compound **8**

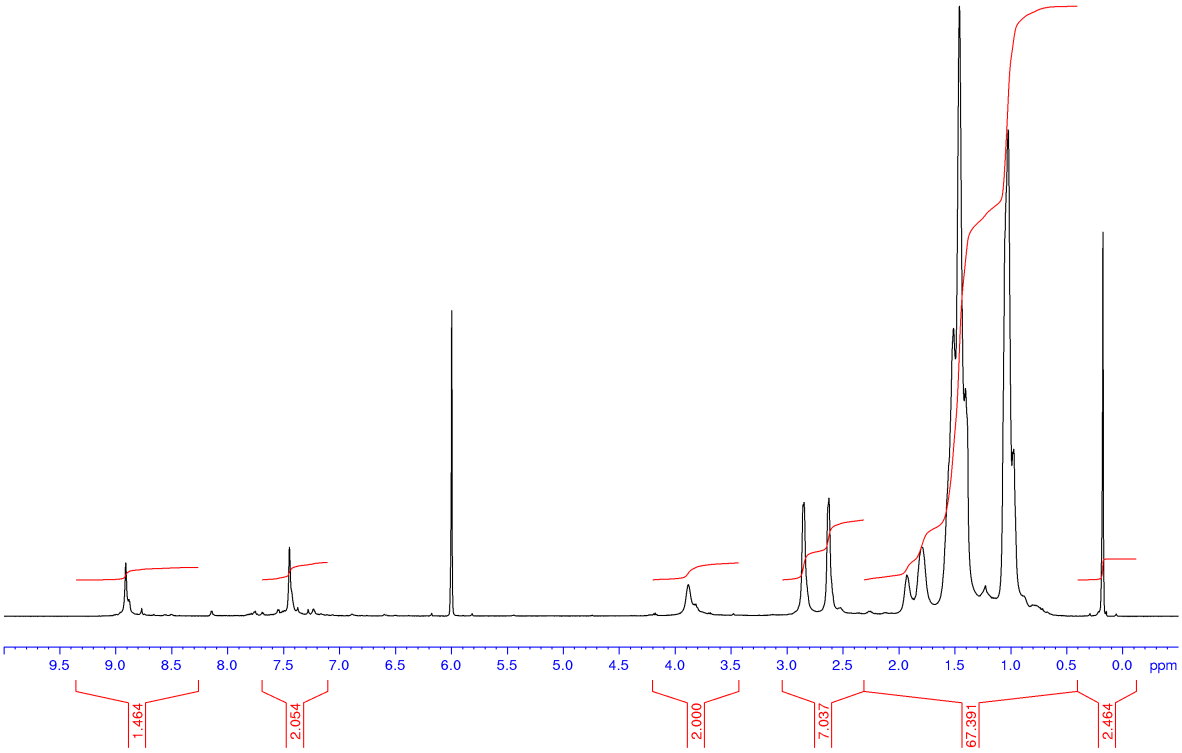
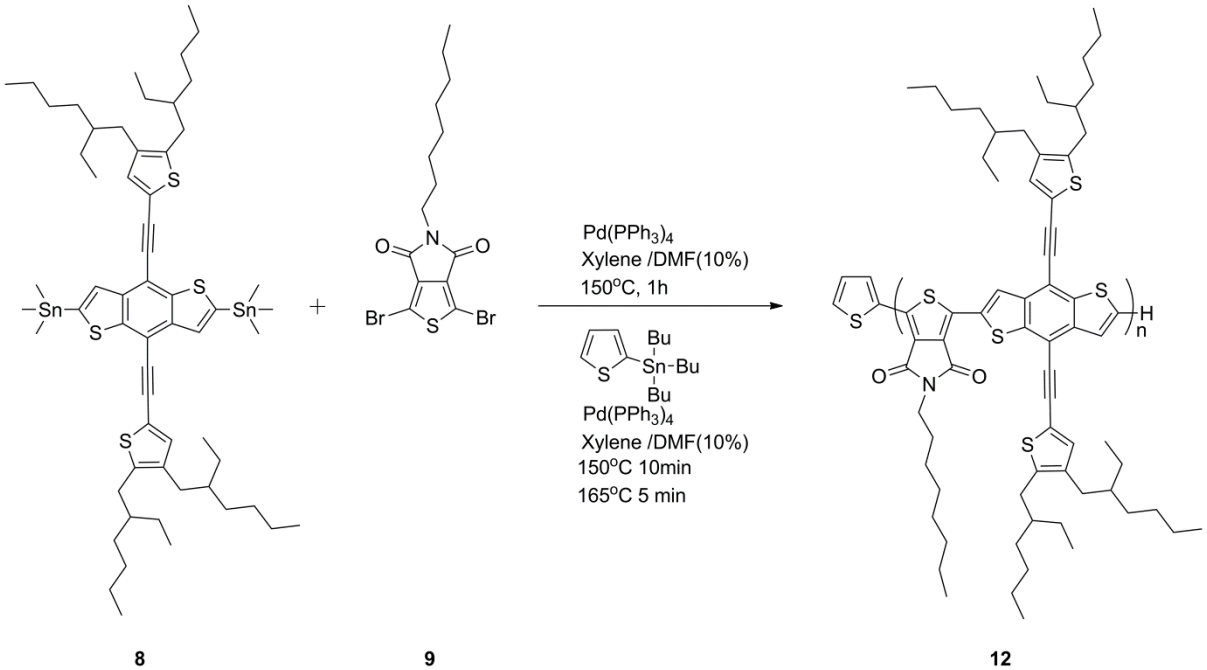


Figure 7 ^{1}H-NMR (500 MHz) spectrum in 1,1,2,2-tetrachloroethane (TCE) at 150 °C of rod polymer **12**



Scheme 1 Synthesis of the new D-A conjugated polymer **12.**