

Supporting Information for:

**Oligothiophene-Functionalized Perylene Bisimide System: Synthesis,
Characterization and Electrochemical Polymerization Properties**

Shiyan Chen, Yunqi Liu,* Wenfeng Qiu, Xiaobo Sun, Yongqiang Ma, and Daoben Zhu*

Organic Solids Laboratory, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080,
People's Republic of China

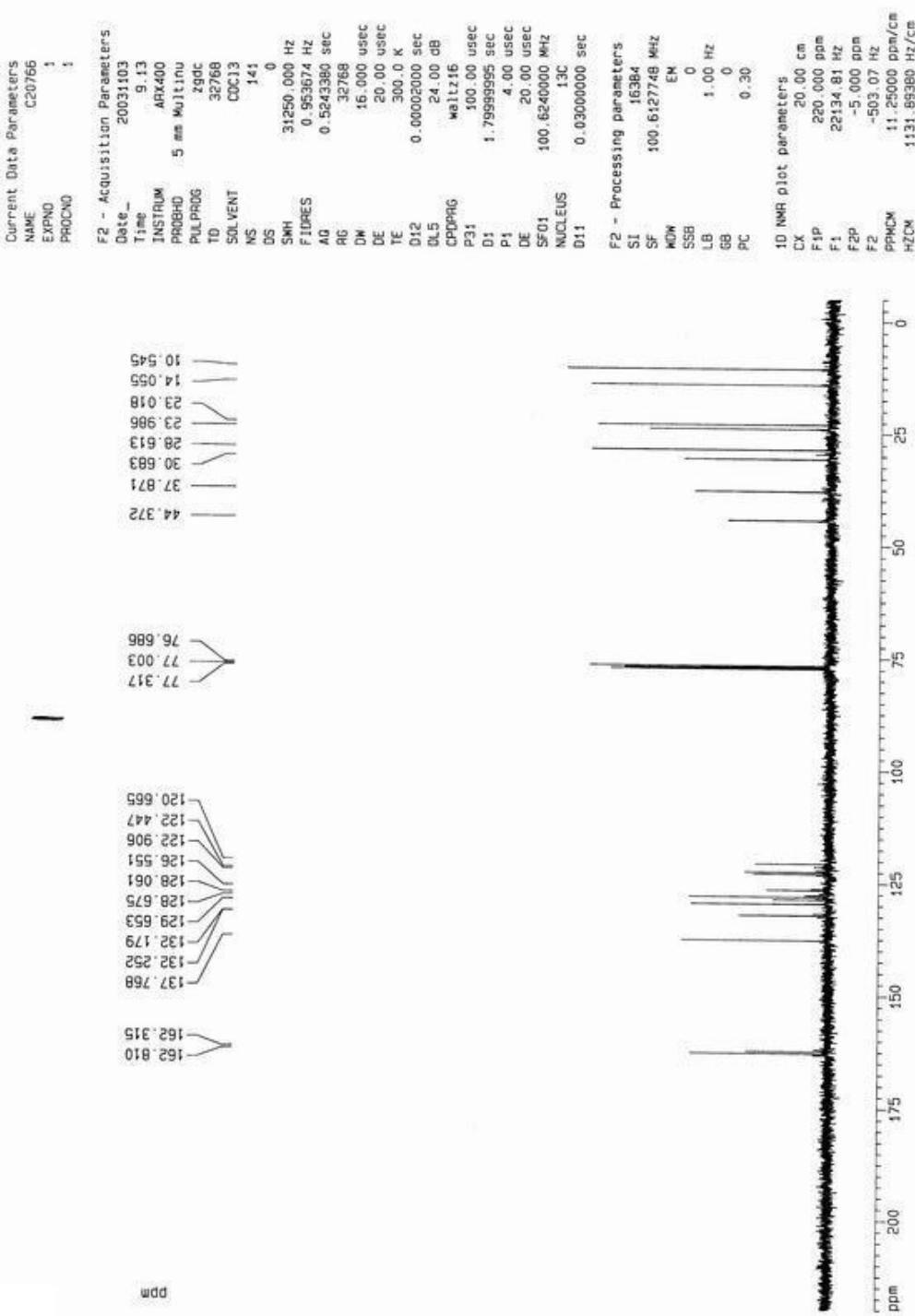
Contents (20 pages):

^1H NMR and ^{13}C NMR Data (2–17).

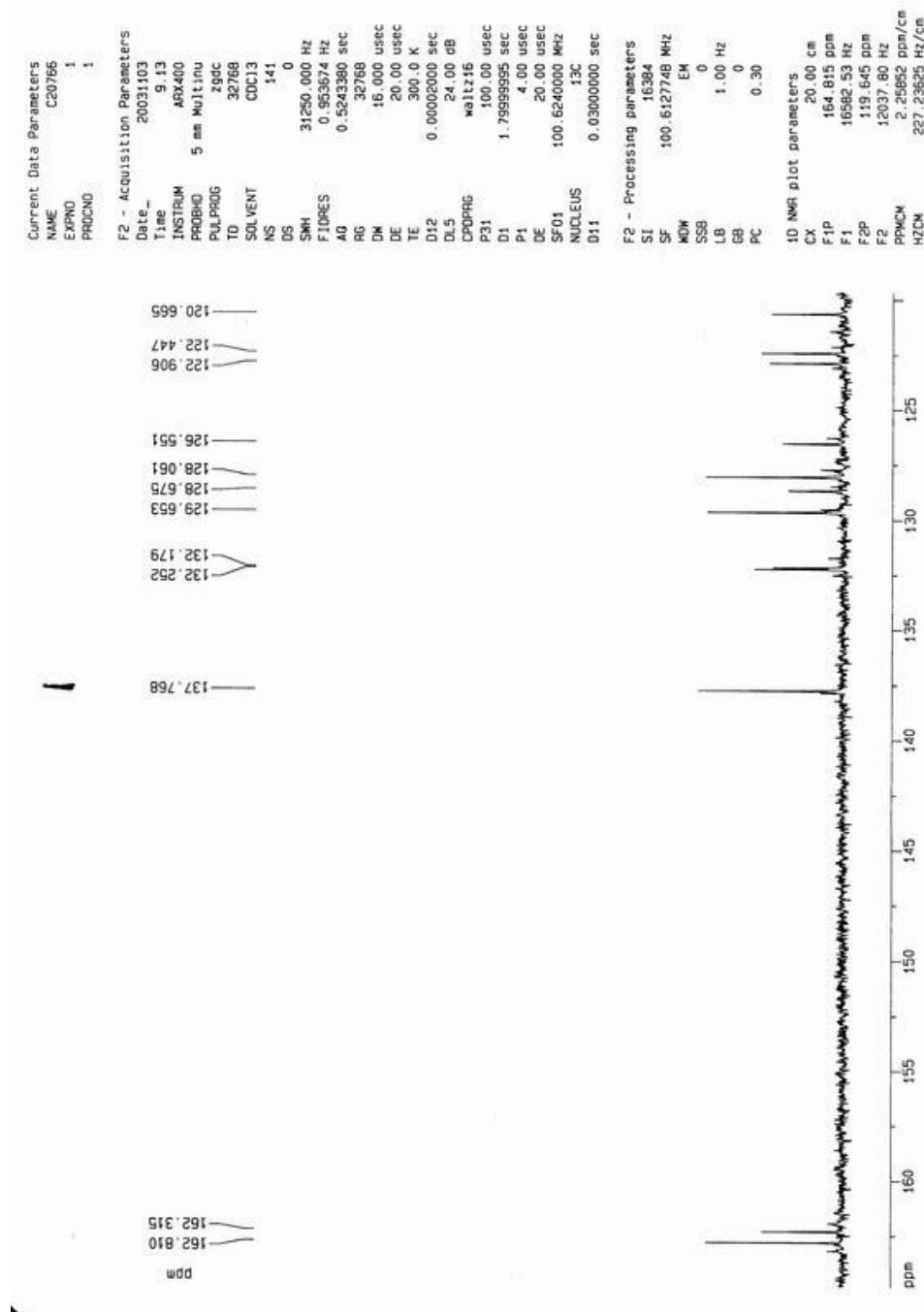
The emission spectra of **2a** (18).

The data of cyclic voltammetry (19–20)

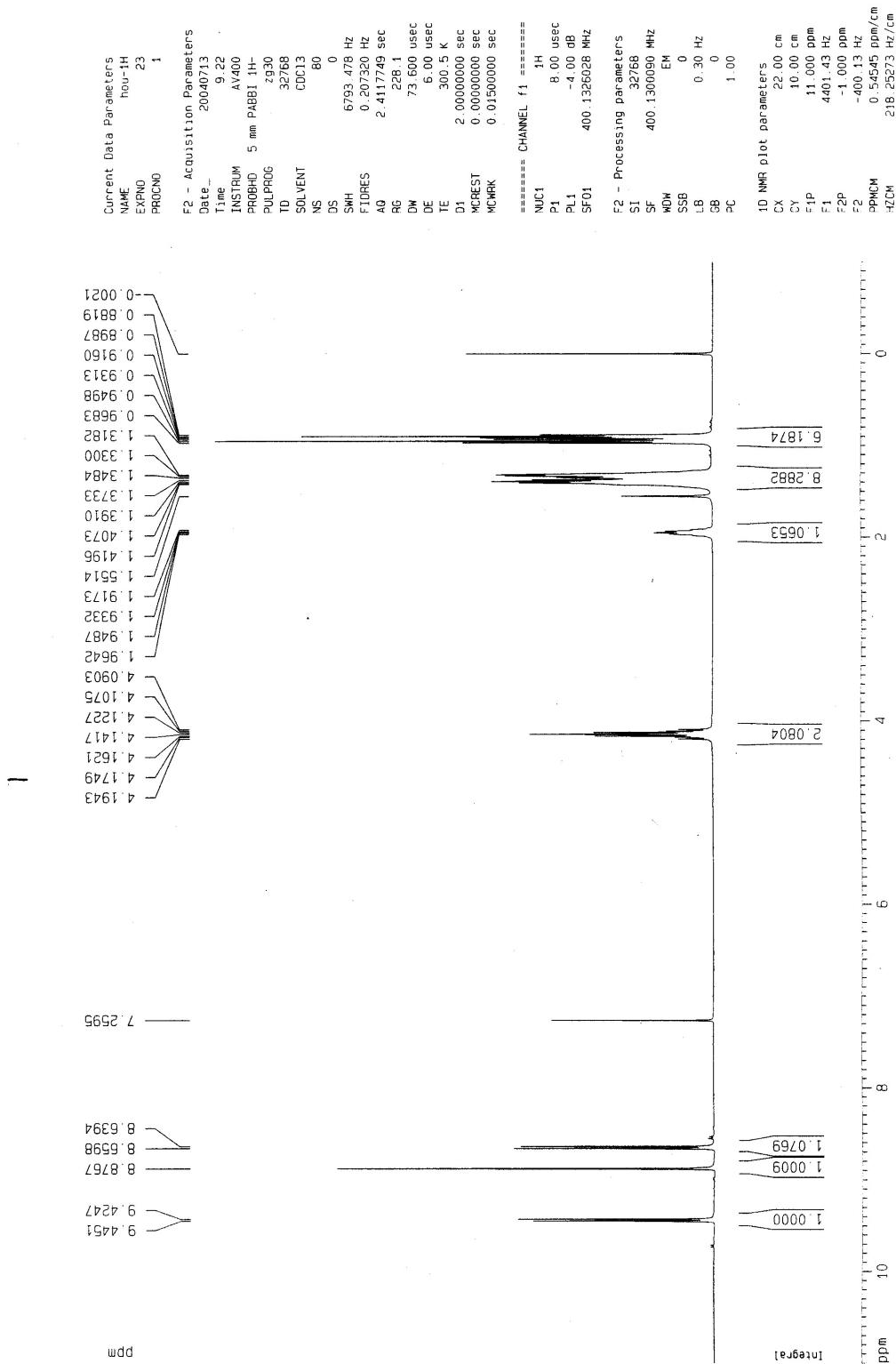
¹³C NMR spectrum of **1**.



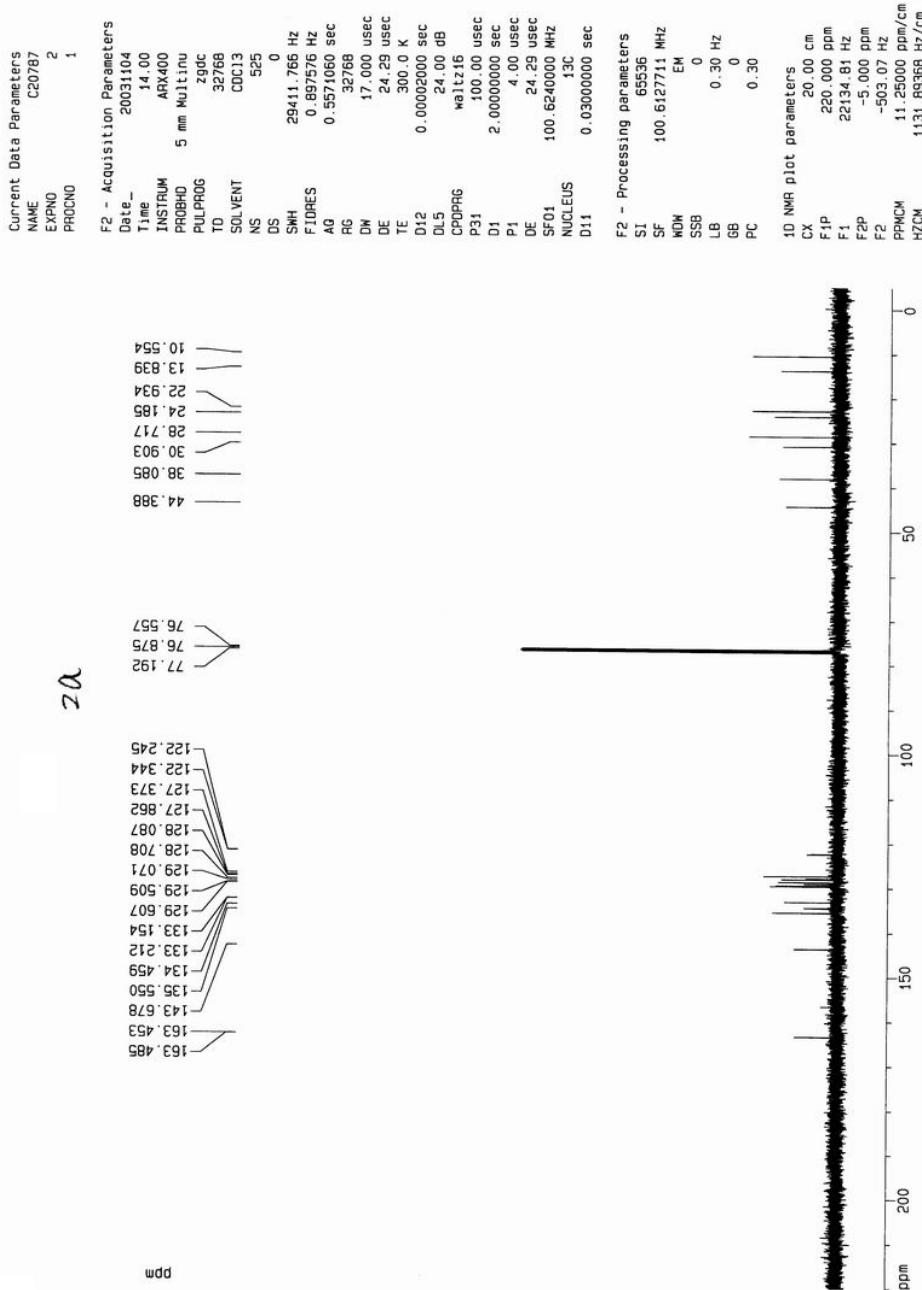
Expanded ^{13}C NMR spectrum of **1**.



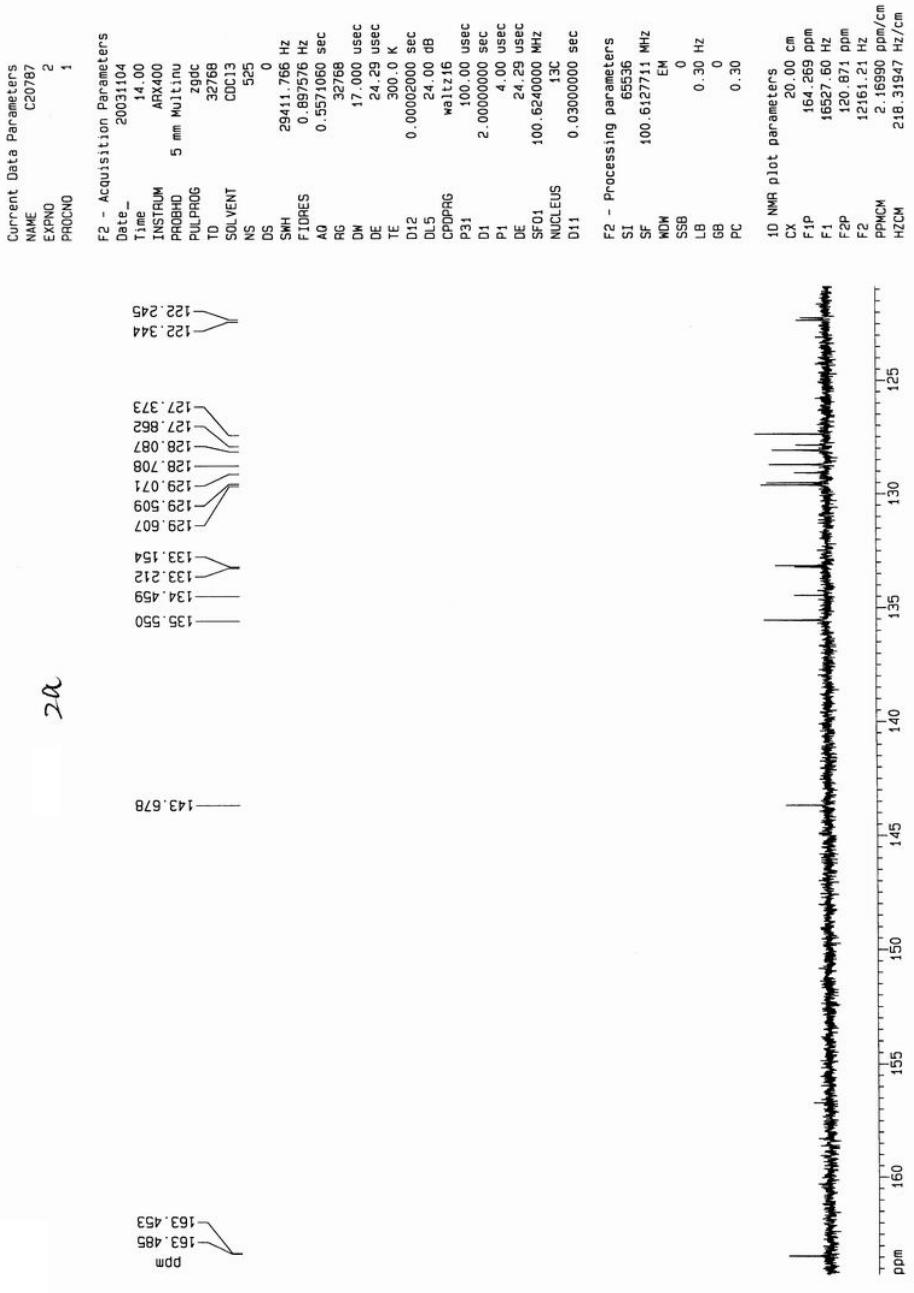
¹H NMR spectrum of **1**.



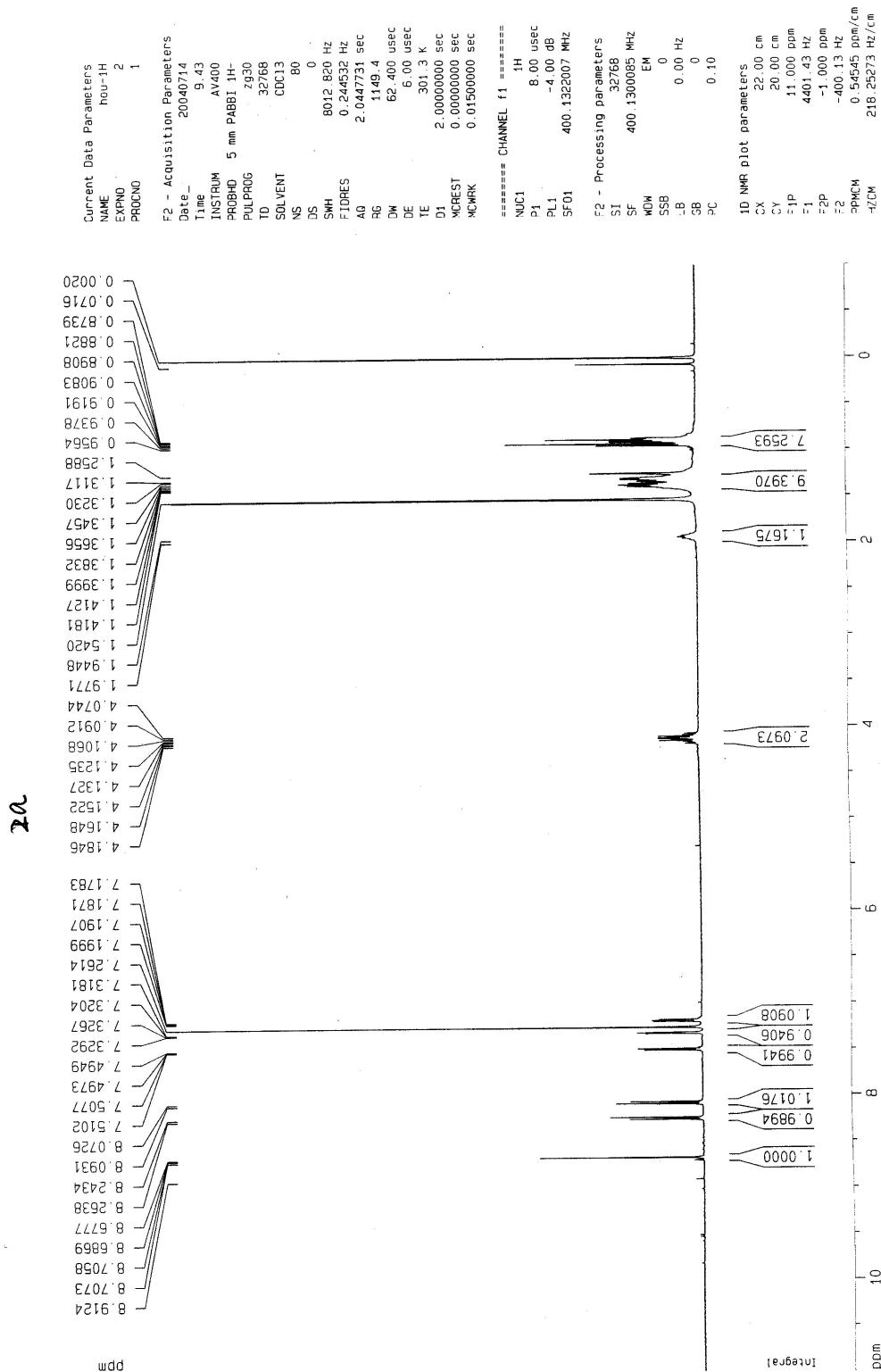
¹³C NMR spectrum of **2a**.



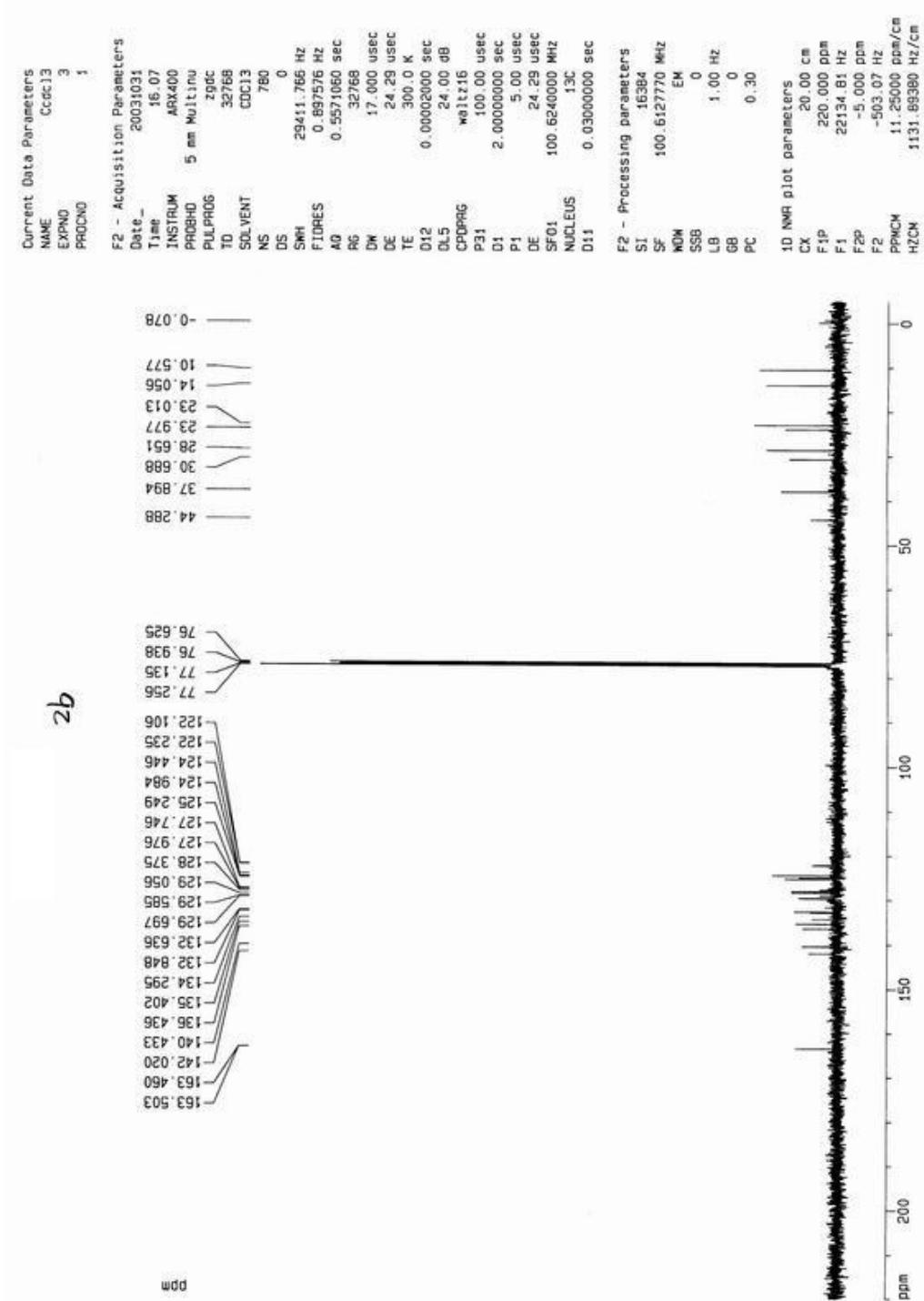
Expanded ^{13}C NMR spectrum of **2a**.



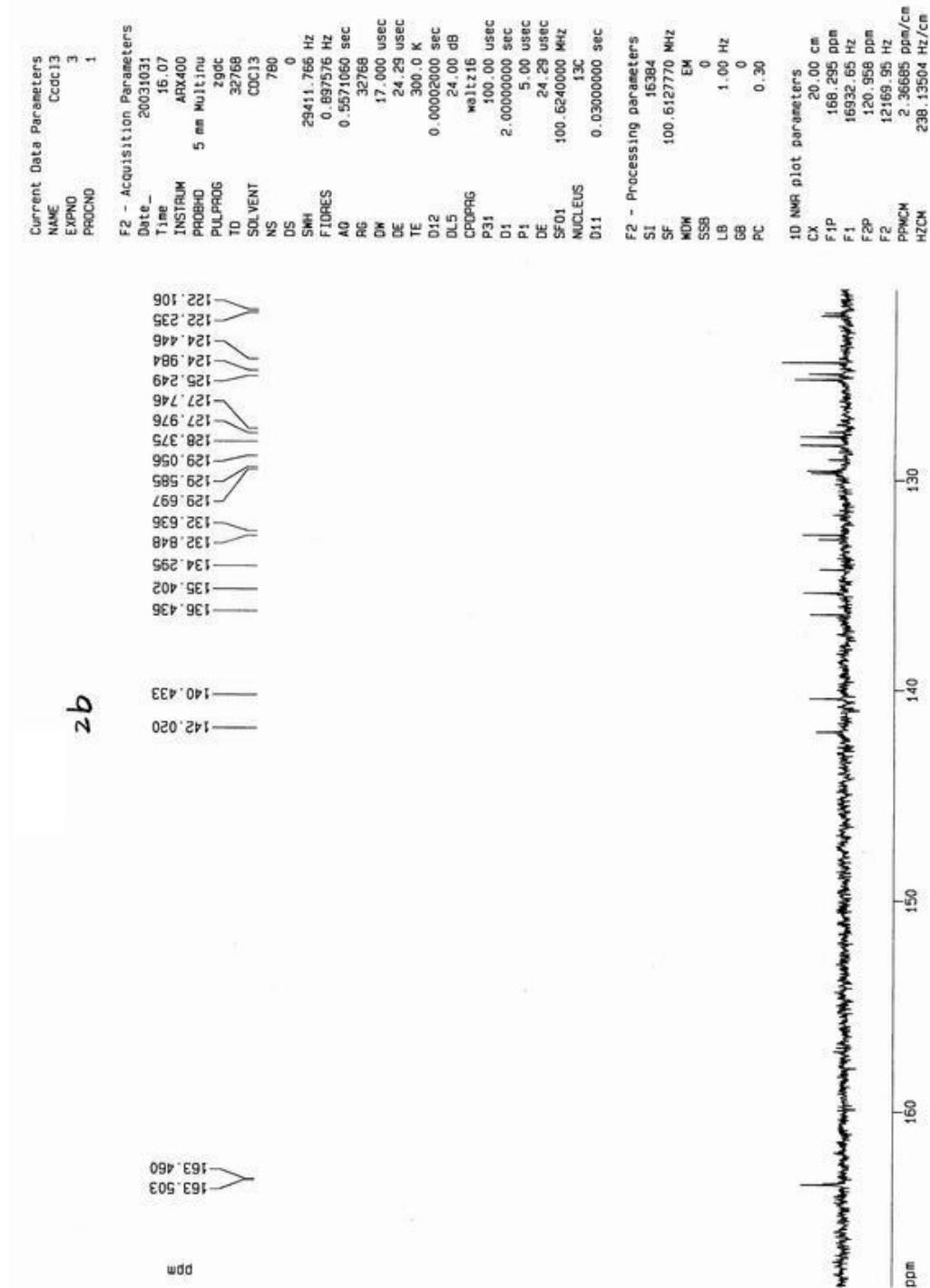
¹H NMR spectrum of 2a.



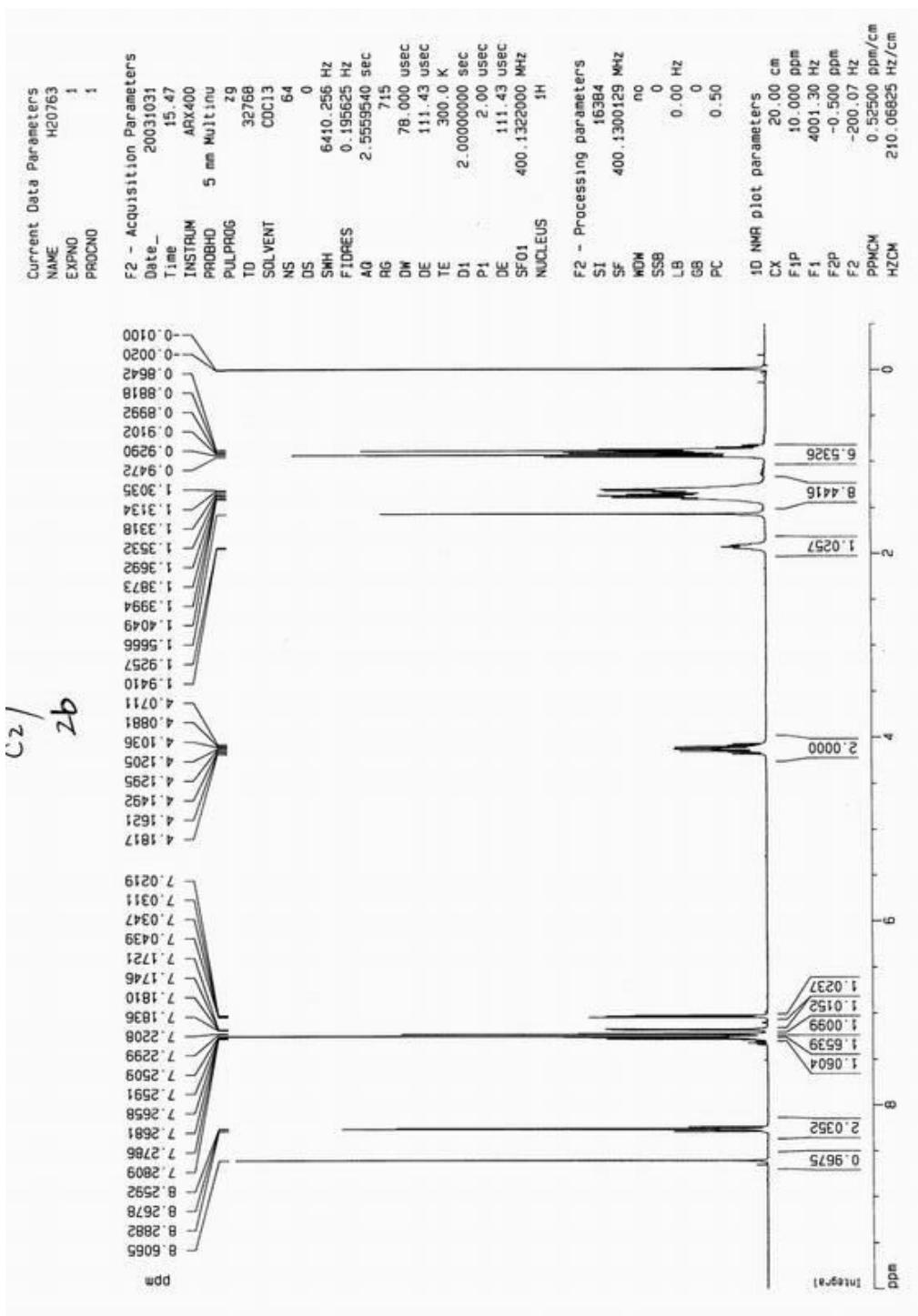
¹³C NMR spectrum of **2b**.



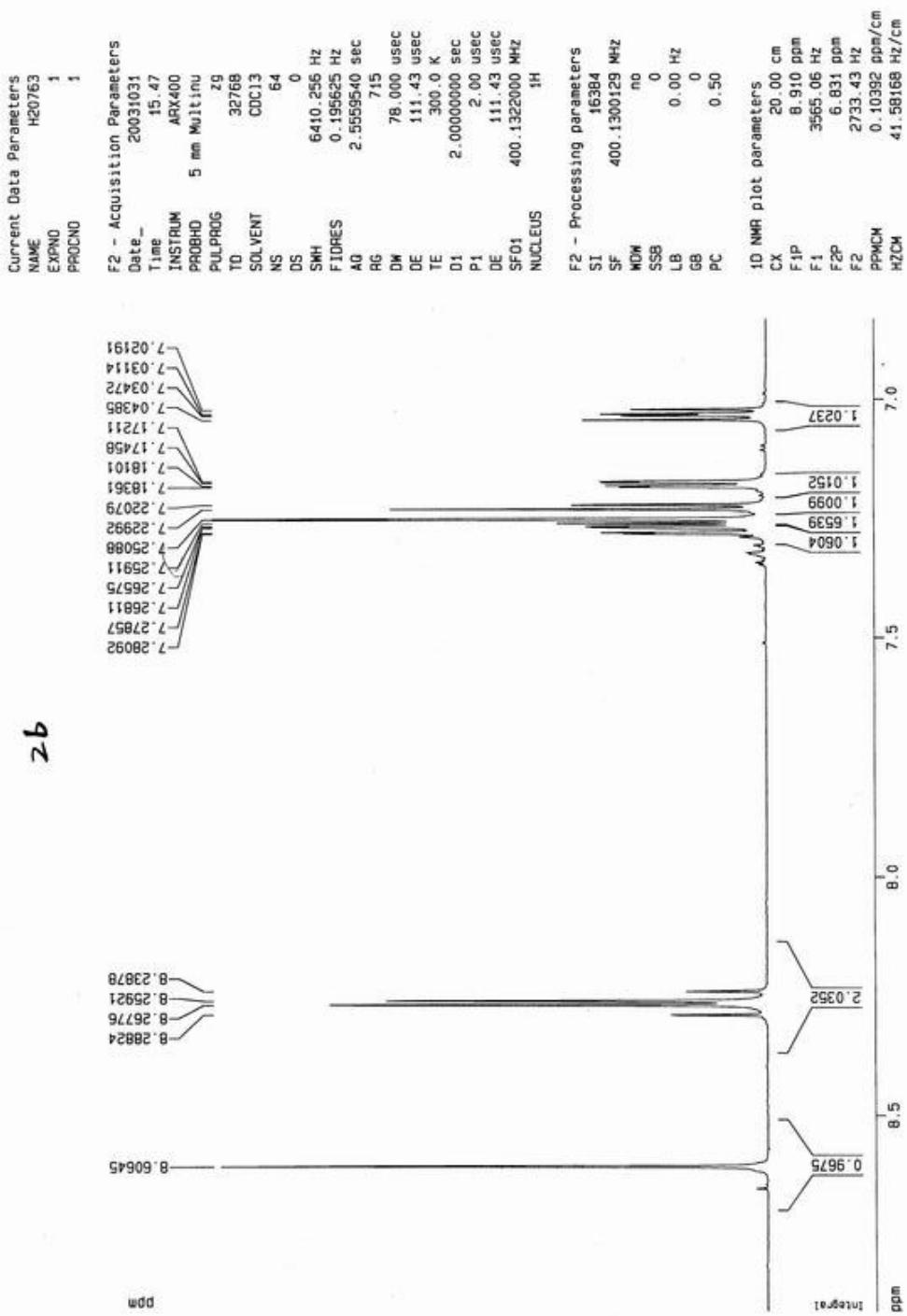
Expanded ^{13}C NMR spectrum of **2b**.



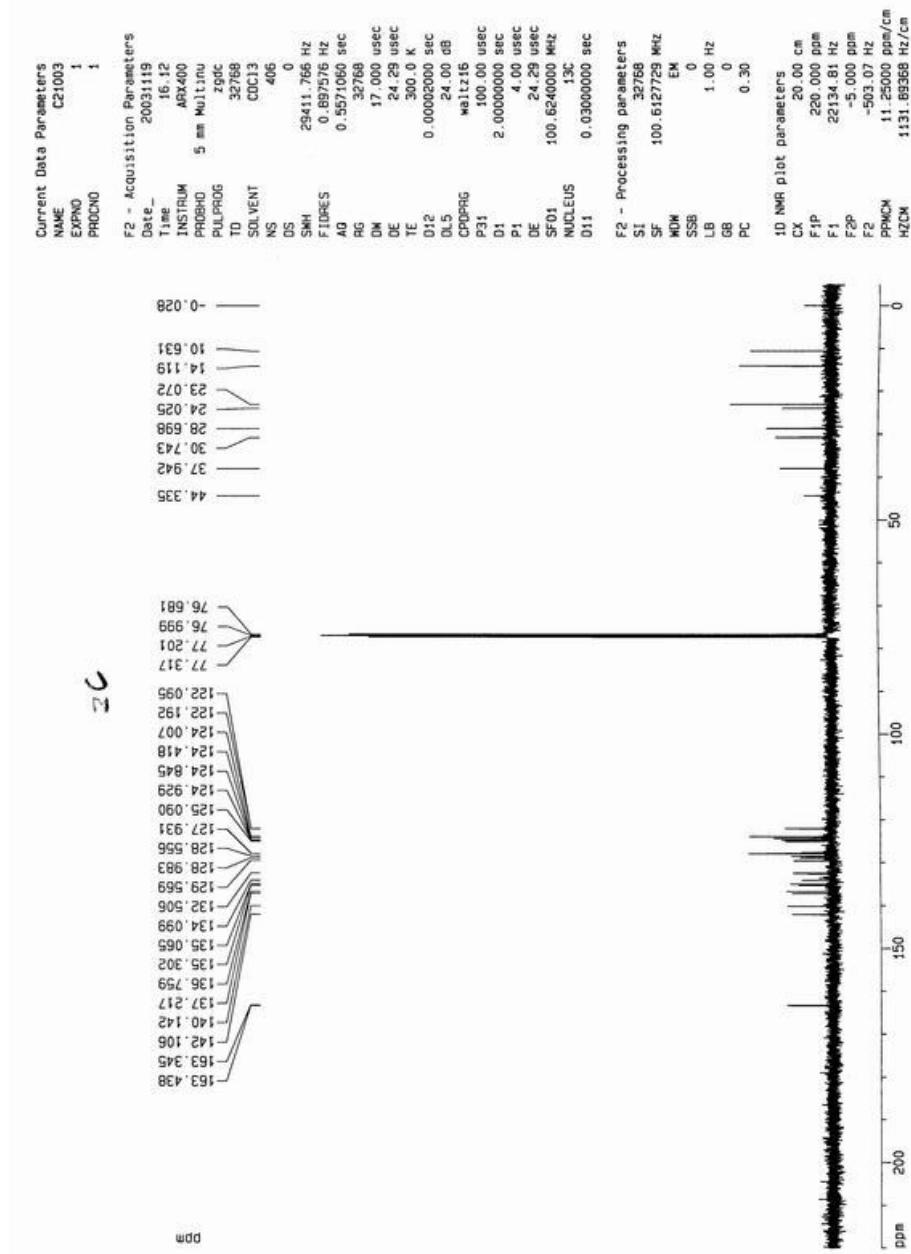
¹H NMR spectrum of **2b**.



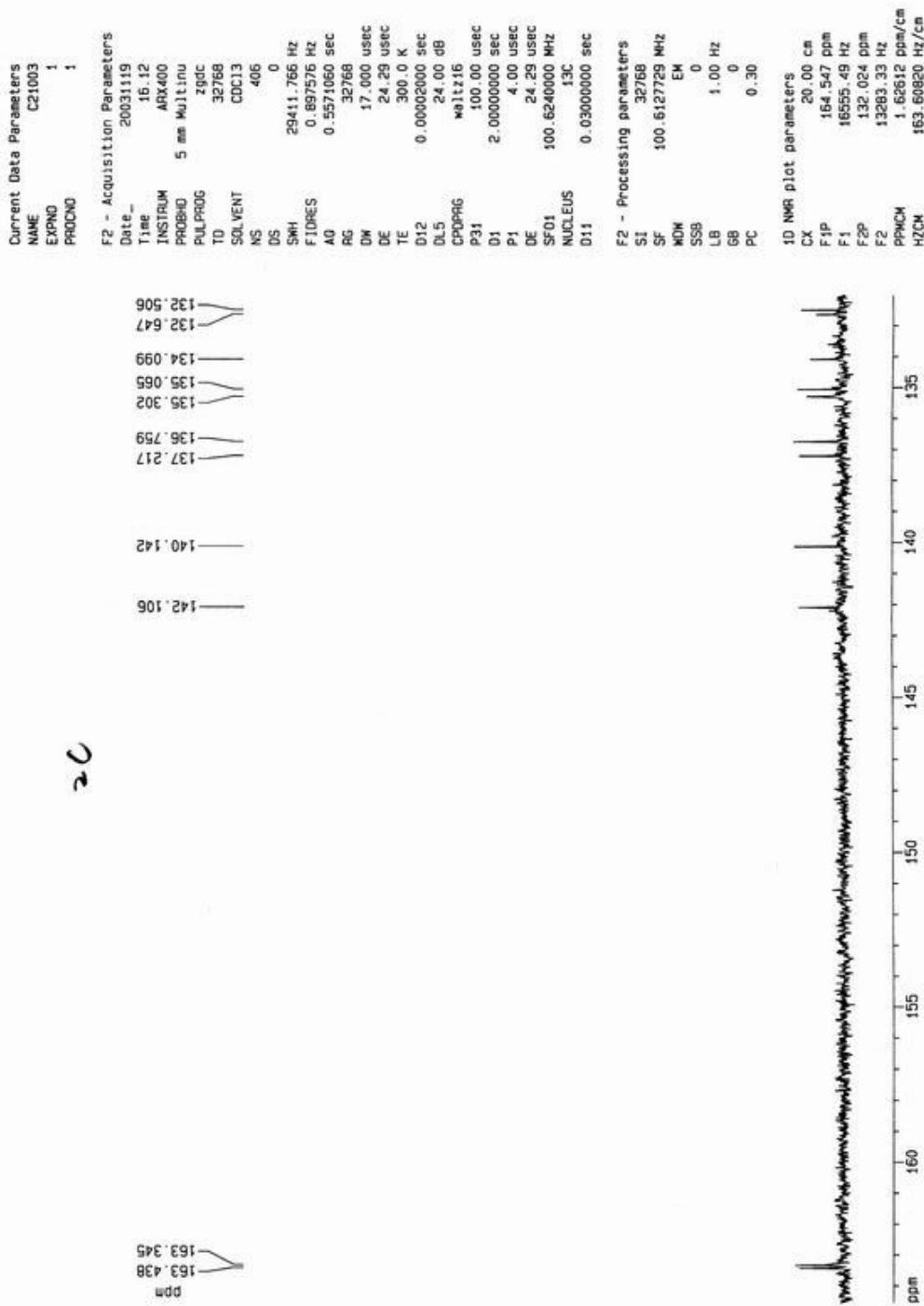
Expanded ^1H NMR spectrum of **2b**.



¹³C NMR spectrum of **2c**.

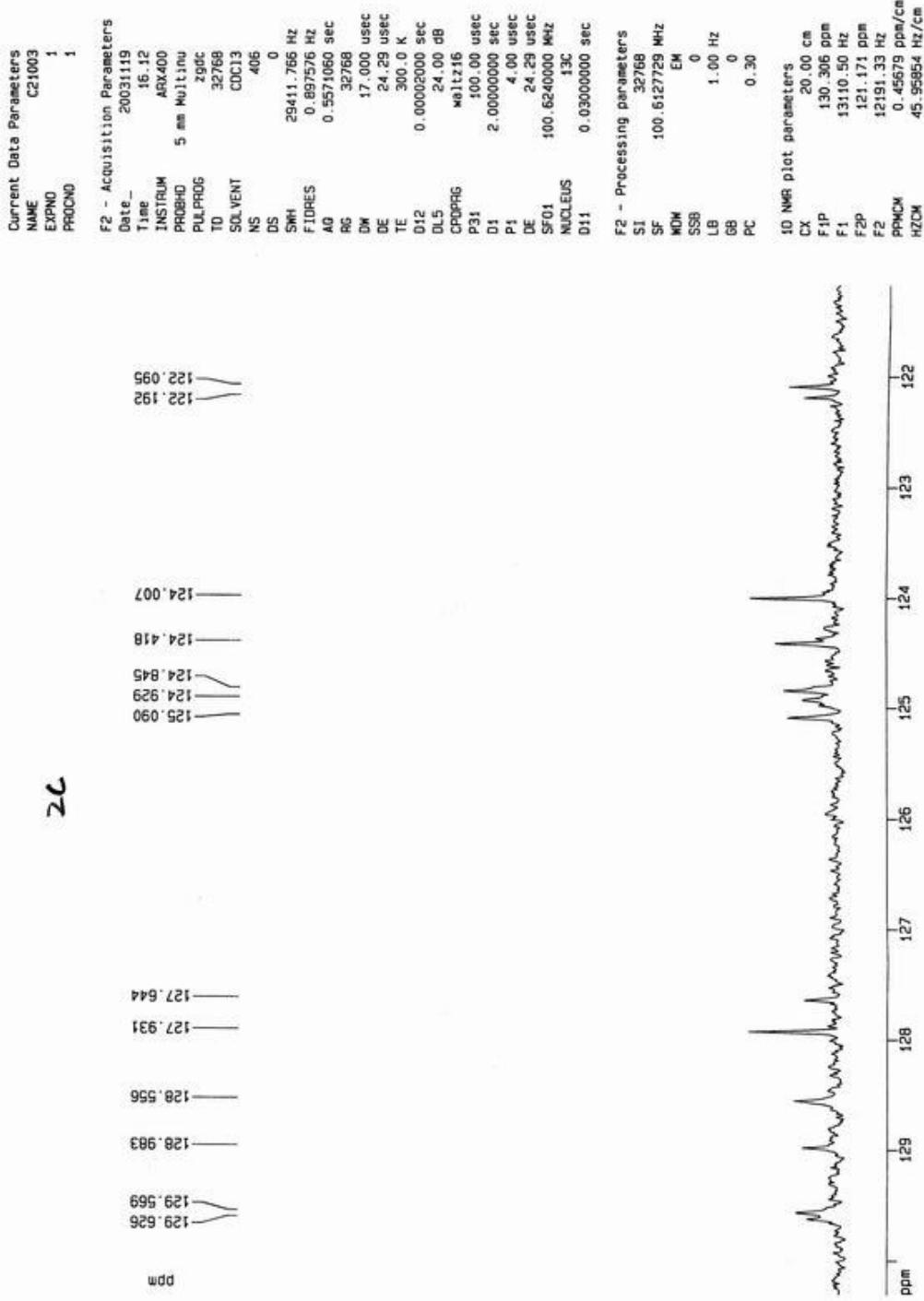


Expanded ^{13}C NMR spectrum of **2c**.

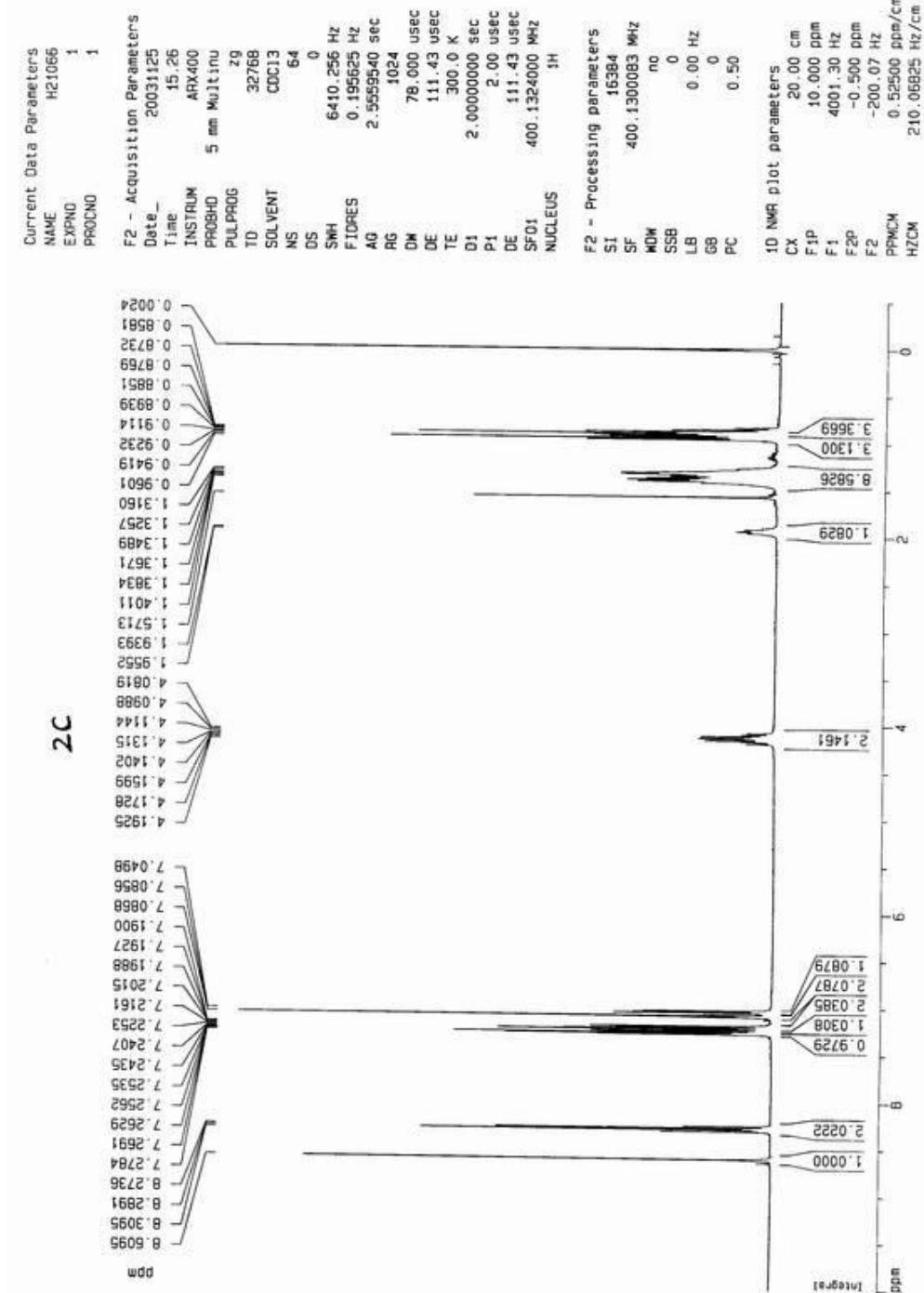


2c

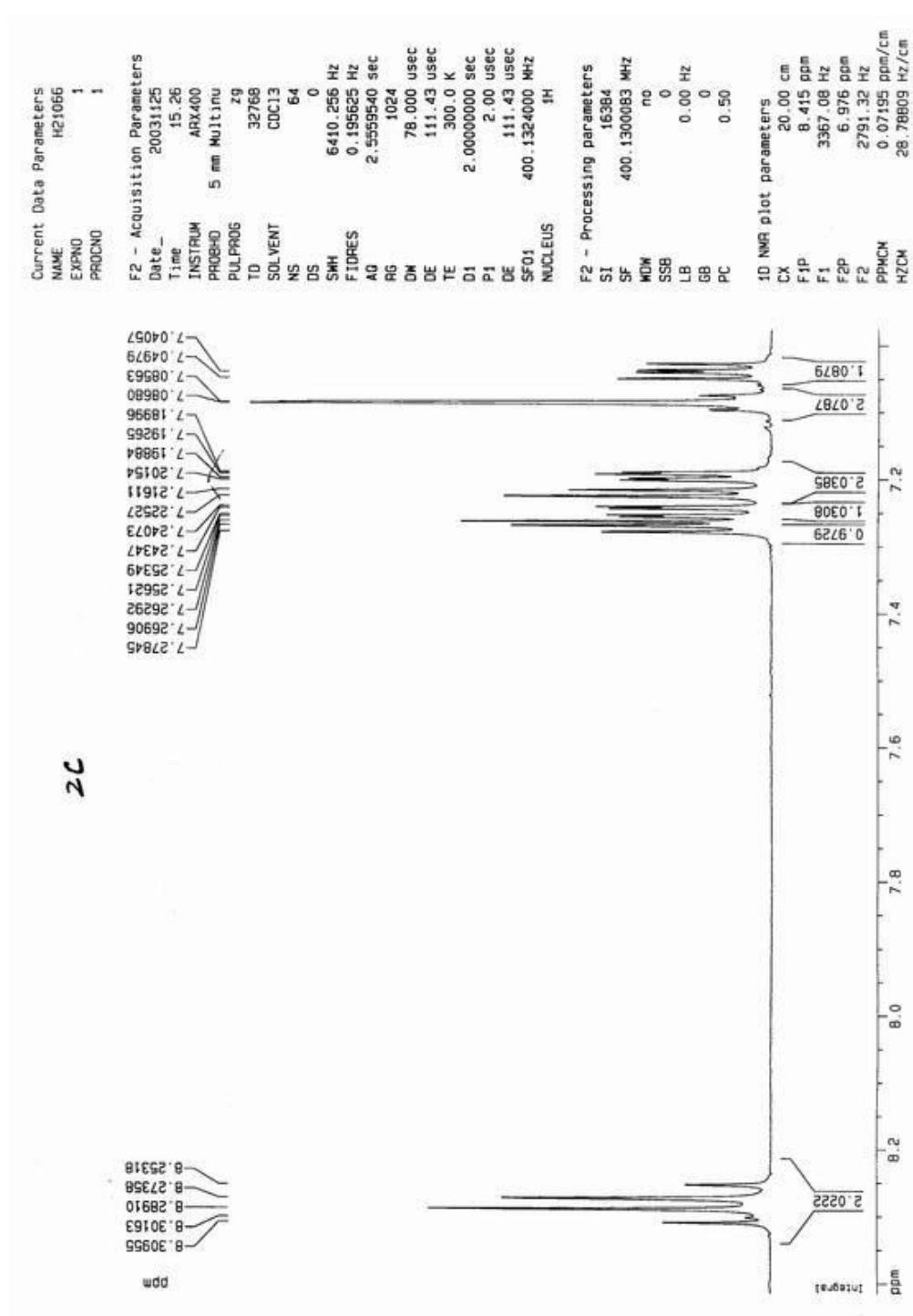
Expanded ^{13}C NMR spectrum of **2c**.



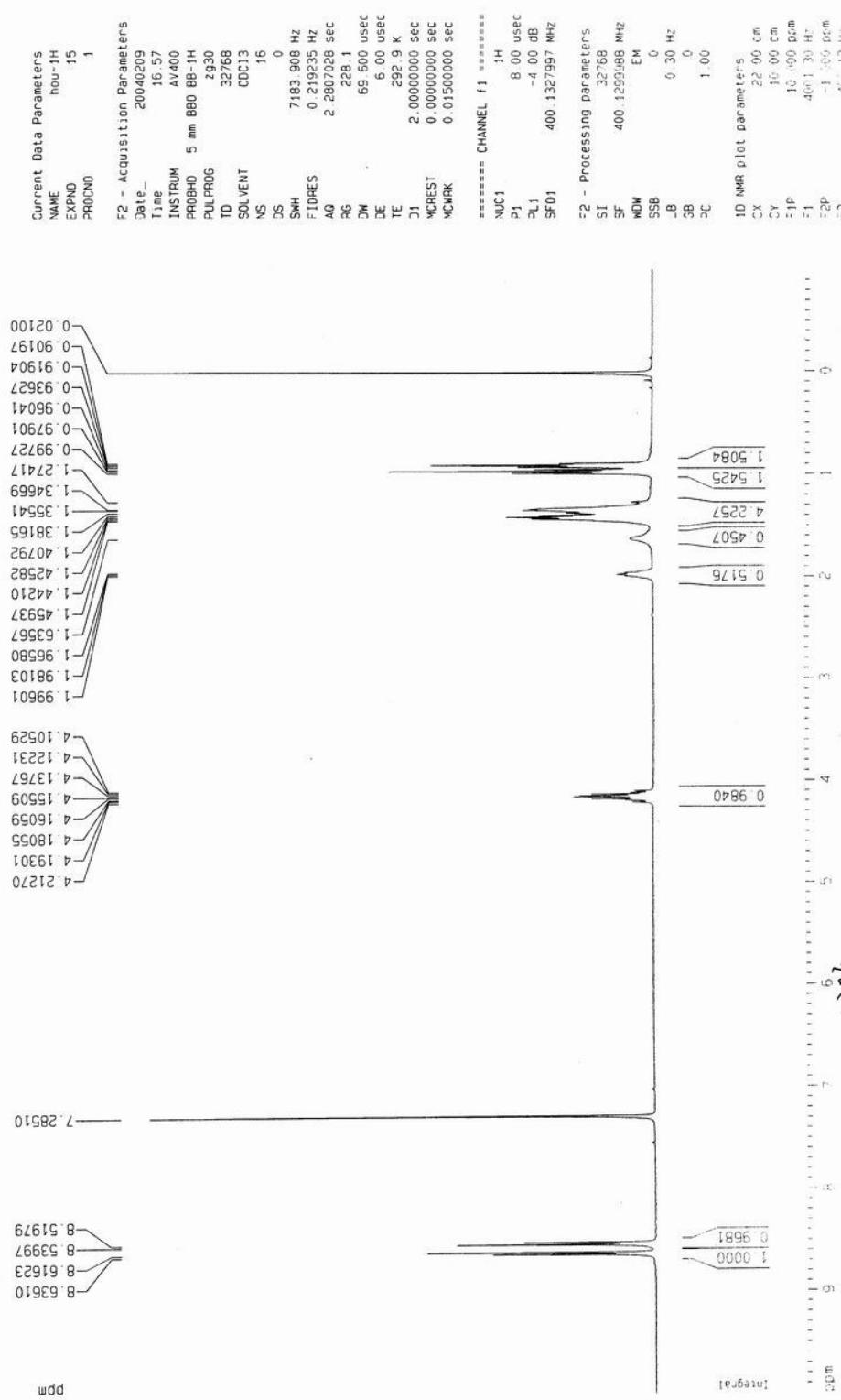
¹H NMR spectrum of **2c**.



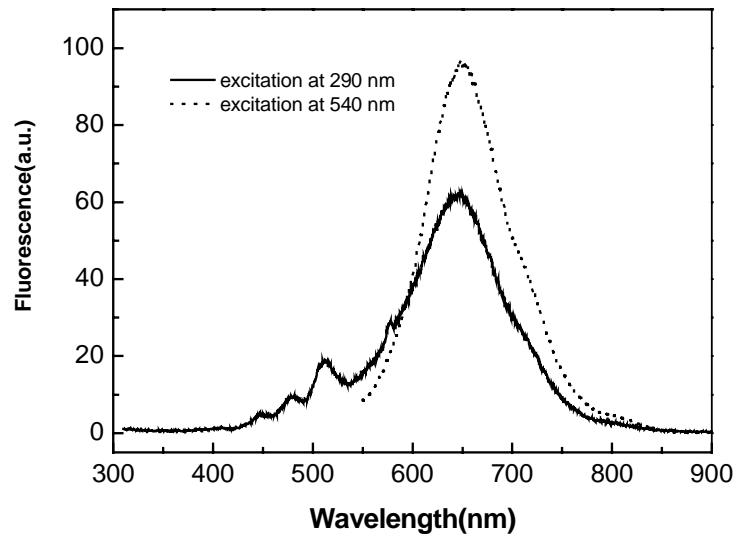
Expanded ^1H NMR spectrum of **2c**.



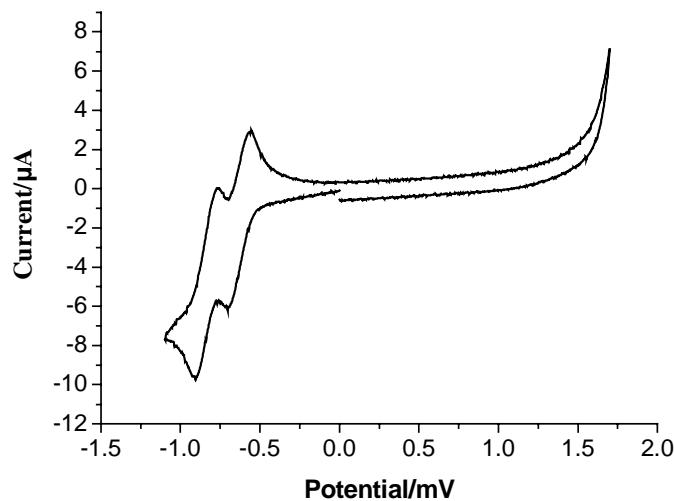
¹H NMR spectrum of **3**.



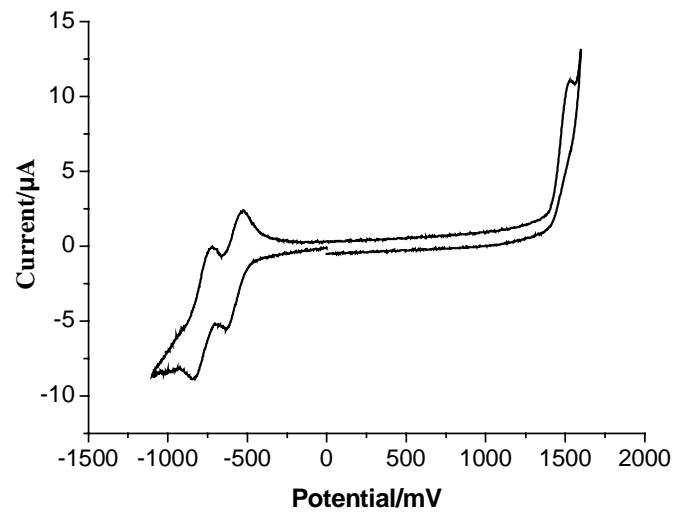
The fluorescence spectra of **2a**.



Cyclic voltammogram of **3** (1 mM) in 0.1 M Bu₄NPF₆-CH₂Cl₂, scan rate 50 mV/s.



Cyclic voltammogram of **2a** (1 mM) in 0.1 M Bu₄NPF₆-CH₂Cl₂, scan rate 50 mV/s.



Cyclic voltammogram of **2c** (1 mM) (A) and repeated cycles of **2c** (1 mM) (B) in 0.1 M Bu₄NPF₆-CH₂Cl₂, scan rate 50 mV/s.

