

**EDOT-Containing Azomethine – An Easily Prepared  
Electrochromically Active Material with Tuneable Colours**

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## **Experimental Section**

### ***General Procedures***

All reagents were commercially available and were used as received unless otherwise stated. Anhydrous and deaerated solvents were obtained with a solvent purification system.  $^1\text{H}$ -NMR and  $^{13}\text{C}$ -NMR spectra were recorded on a 400 MHz spectrometer with the appropriate deuterated solvents.

### ***Spectroscopic Measurements***

The absorption measurements were done on a spectrometer and the fluorescence studies were performed on a fluorimeter after deaerating the samples thoroughly with nitrogen for 20 minutes.

### ***Electrochemical Measurements***

Cyclic voltammetric measurements were done on a potentiostat system. Compounds were dissolved in anhydrous and deaerated dichloromethane at  $10^{-4}$  M with 0.1 M  $\text{NBu}_4\text{PF}_6$ . A platinum electrode was used as the working electrode with a platinum wire as the auxiliary electrode and an Ag/AgCl electrode as the reference electrode.

### ***Spectroelectrochemical Measurements***

Spectroelectrochemical measurements were done by coupling a potentiostat with a spectrometer using a cuvette designed for this experiment and a platinum mesh electrode as the working electrode. The other parameters are the same as in normal cyclic voltammetry experiments that was described above.

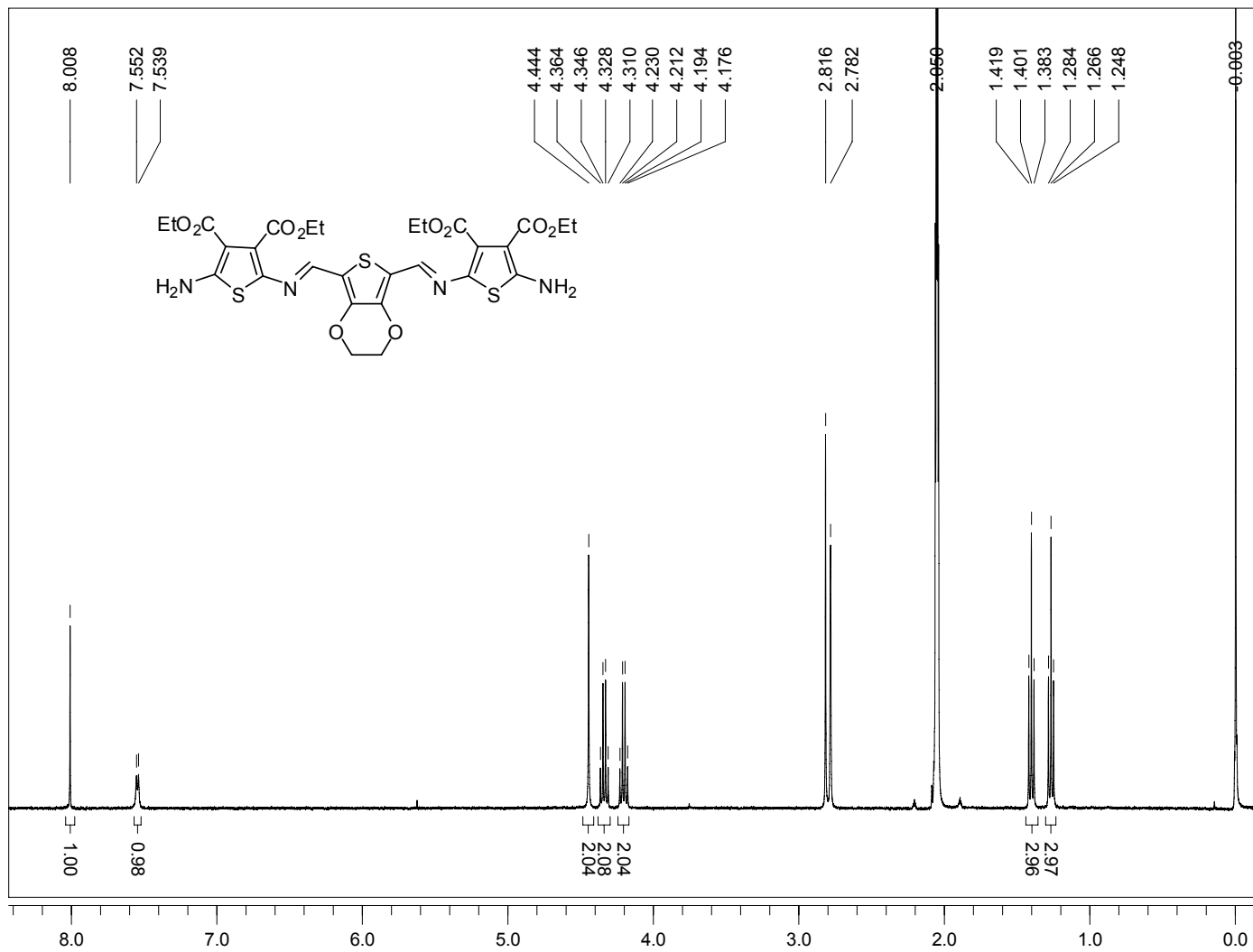


Figure 1.  $^1\text{H}$  NMR spectra of 2 in acetone- $\text{d}_6$ .

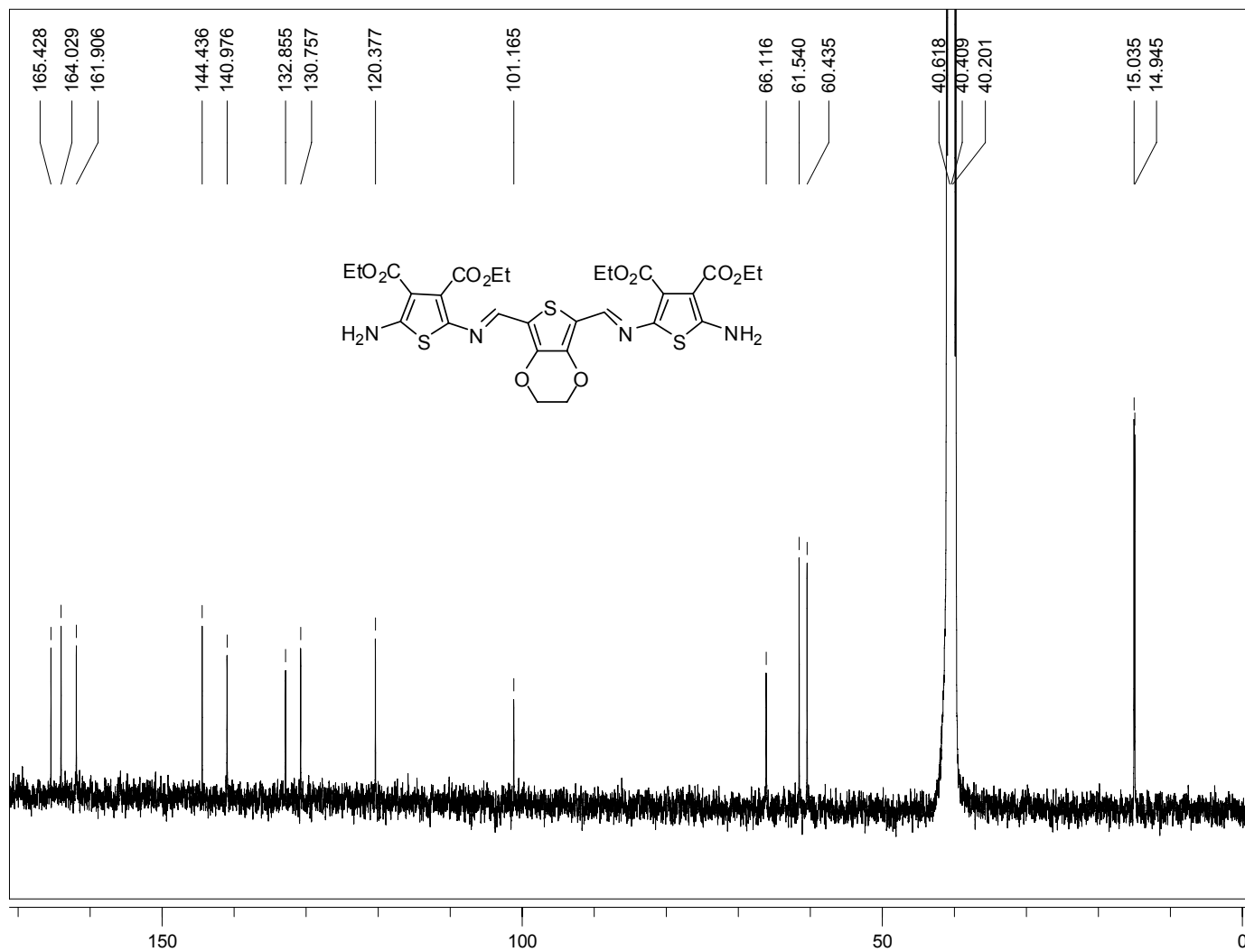


Figure 2.  $^{13}\text{C}$  NMR spectra of **3** in  $\text{DMSO-d}_6$