

Cu-Catalyzed Synthesis of Diaryl Thioethers and *S*-Cycles by Reaction of Aryl
Iodides with Carbon Disulfide in the Presence of DBU

Peng Zhao, Hang Yin, Hongxin Gao, Chanjuan Xi*^{a,b}

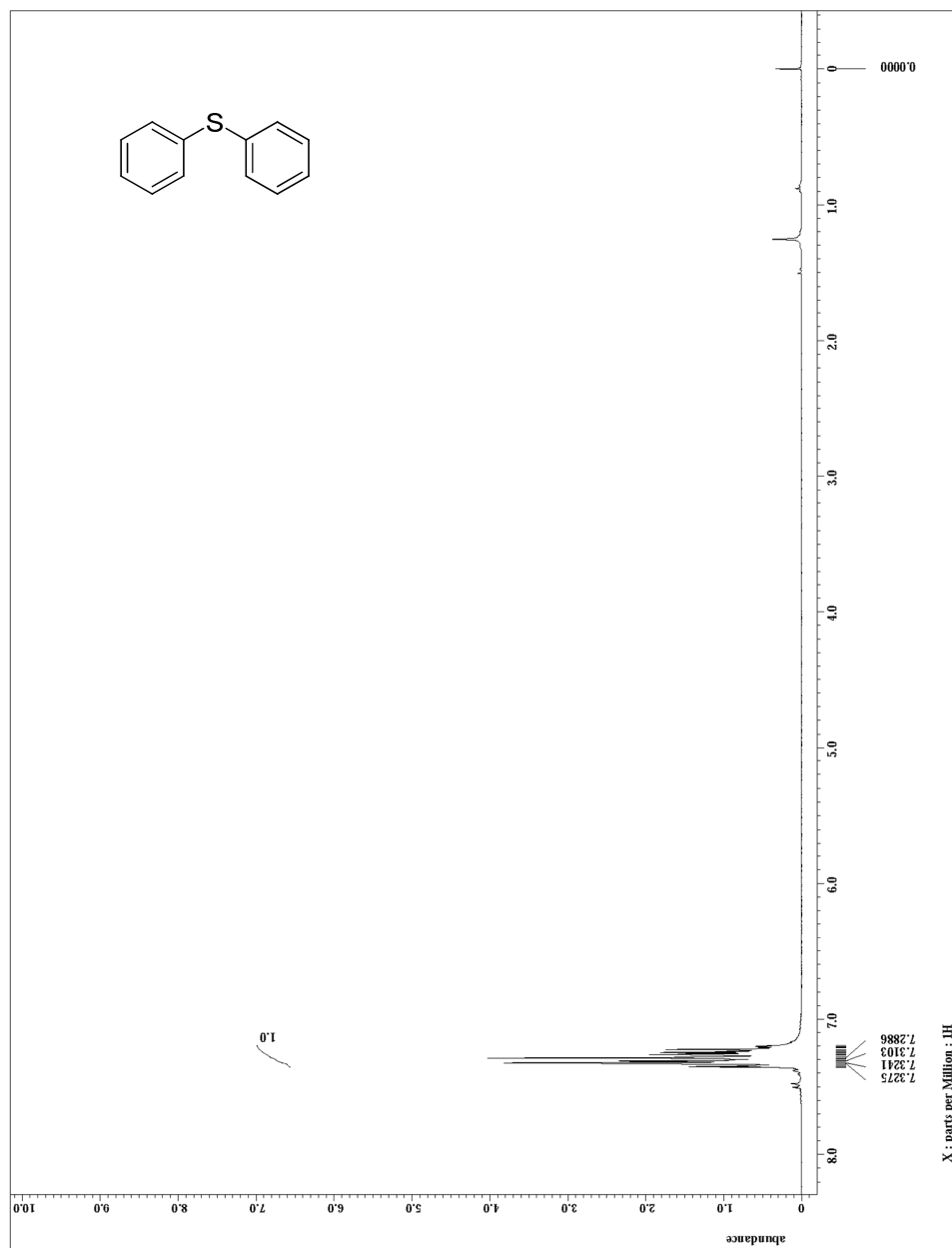
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300071, China

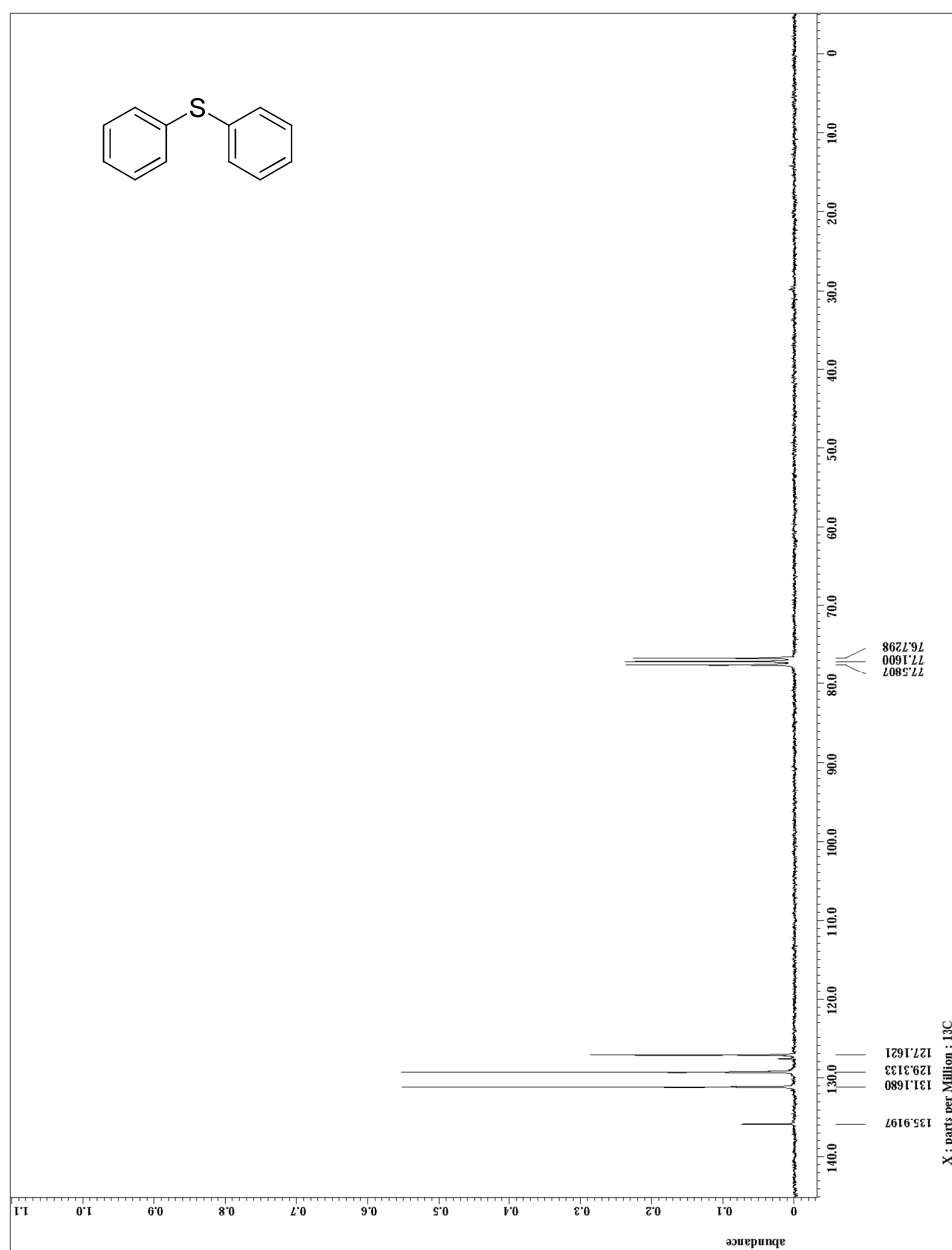
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1. Copies of ¹ H and ¹³ C NMR Spectra.....	S2
2. X-ray Crystal Structure of 2d	S58

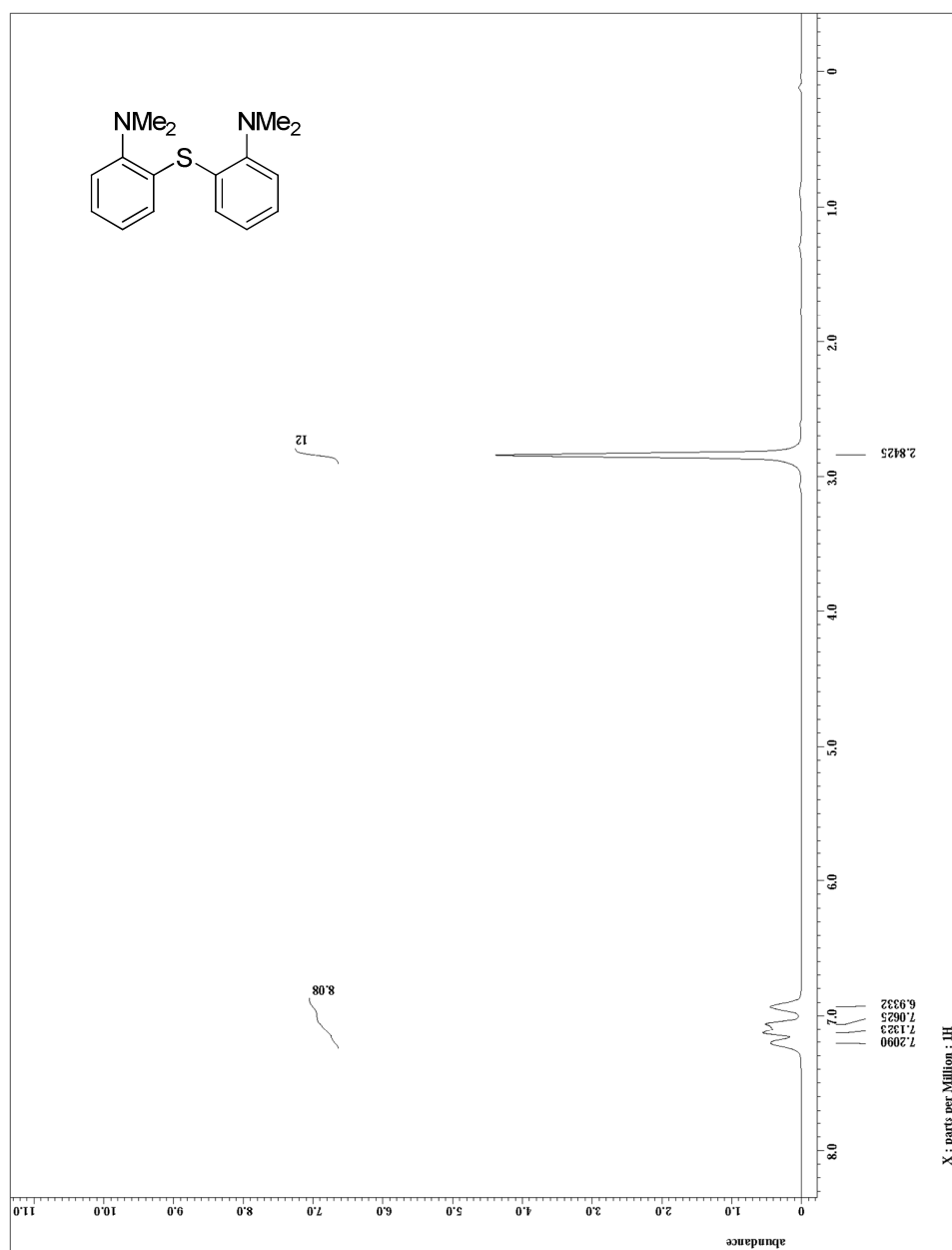
1. Copies of ^1H and ^{13}C NMR Spectra



^1H NMR of Compound **2a**



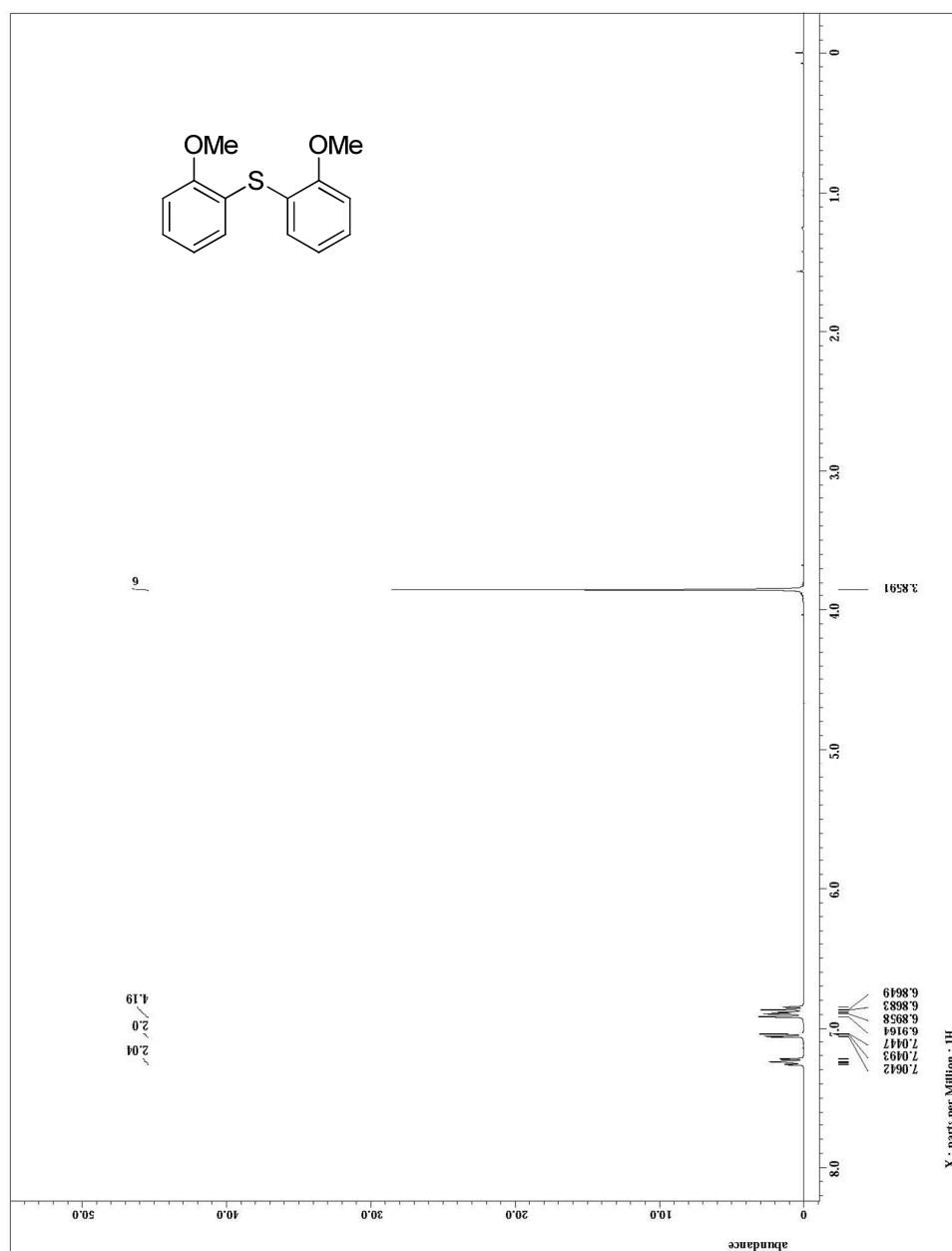
^{13}C NMR of Compound **2a**



^1H NMR of Compound **2b**



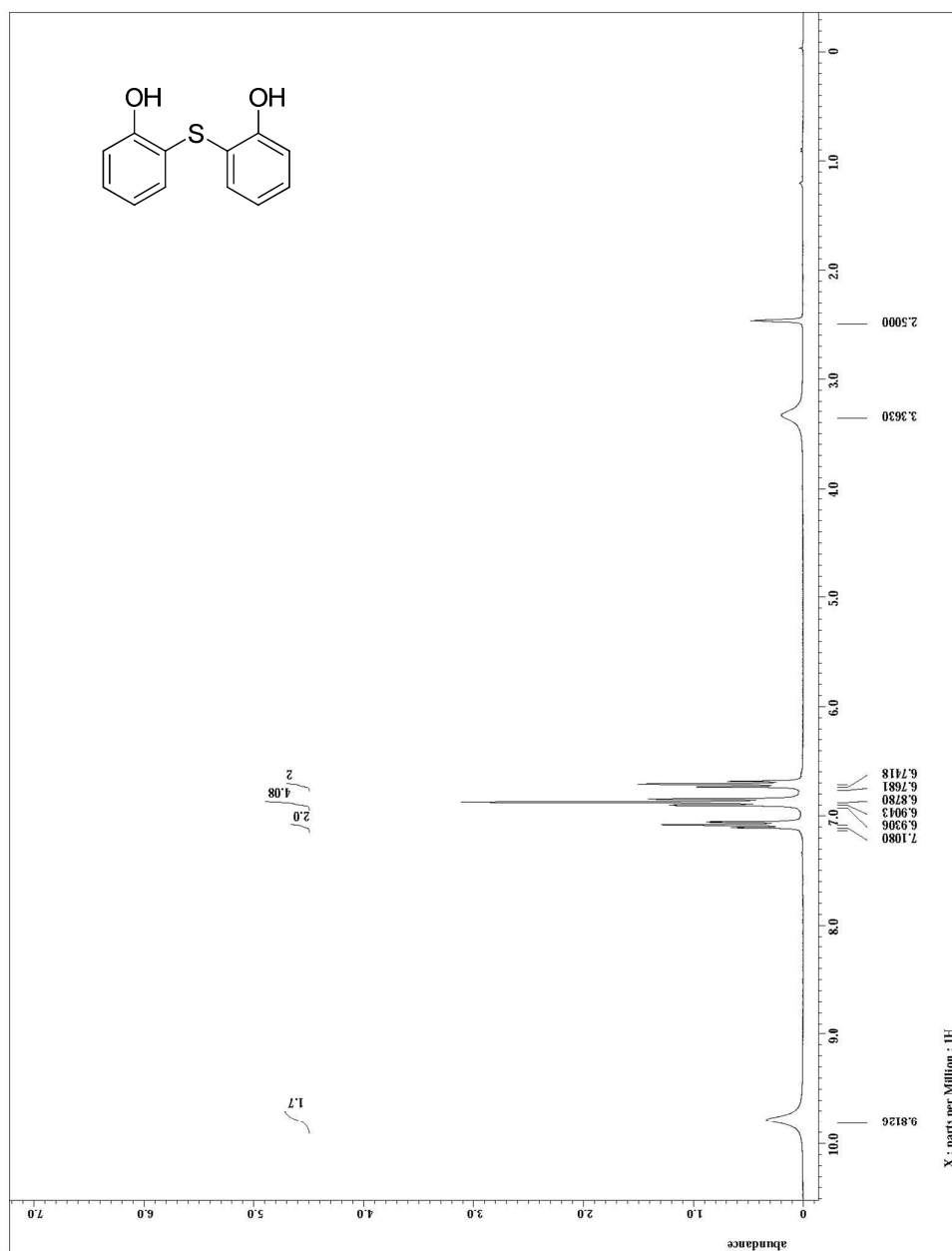
^{13}C NMR of Compound **2b**



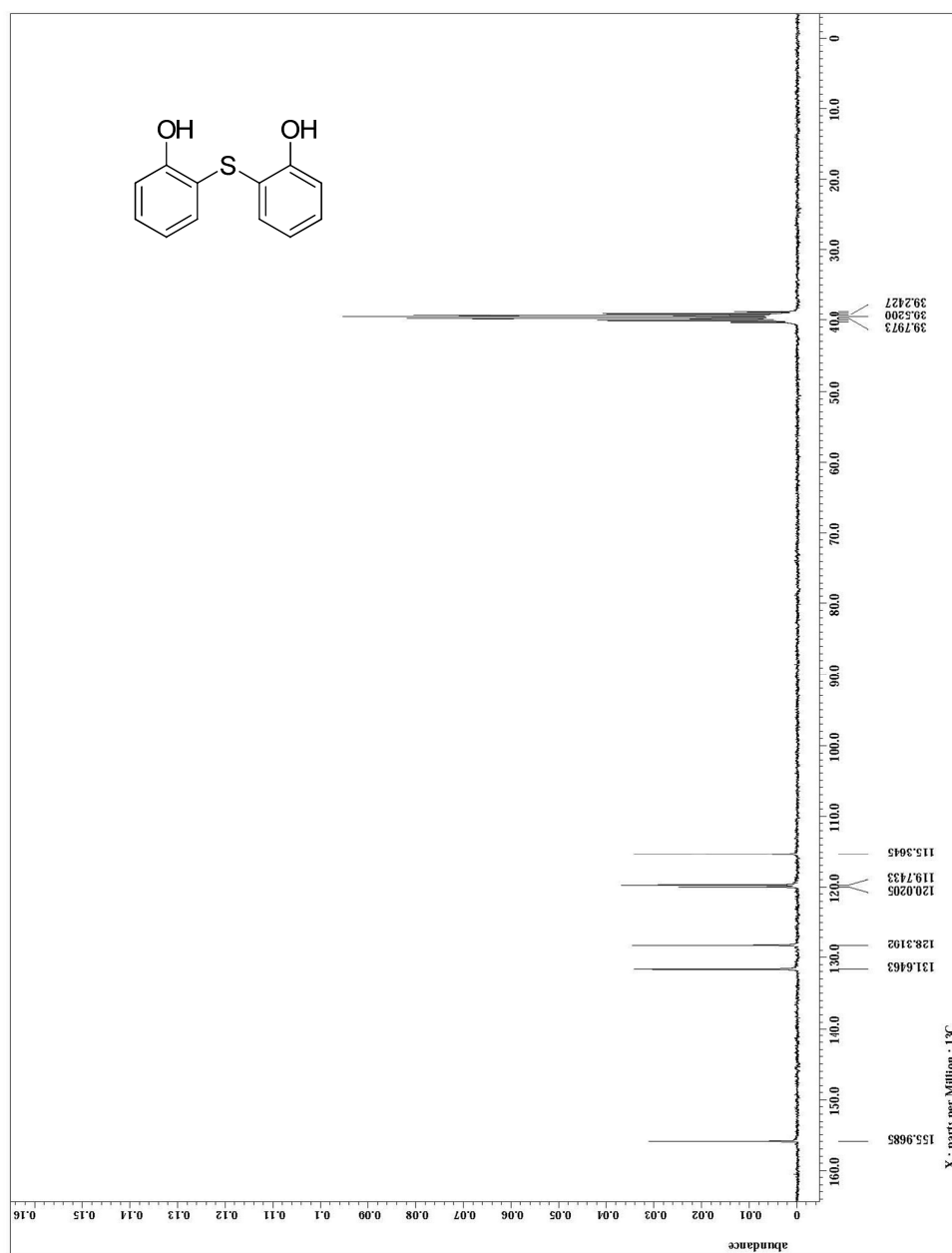
^1H NMR of Compound **2c**



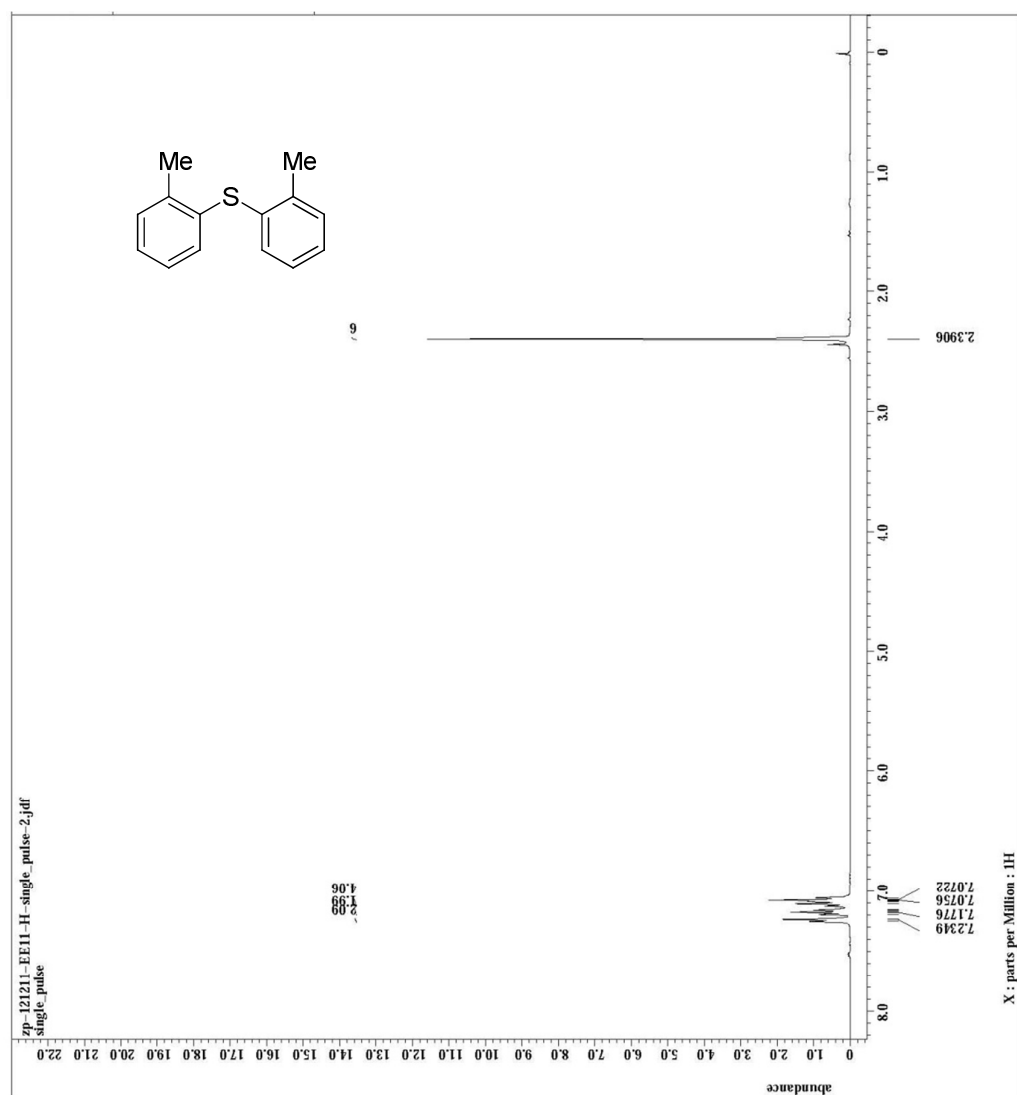
^{13}C NMR of Compound 2c



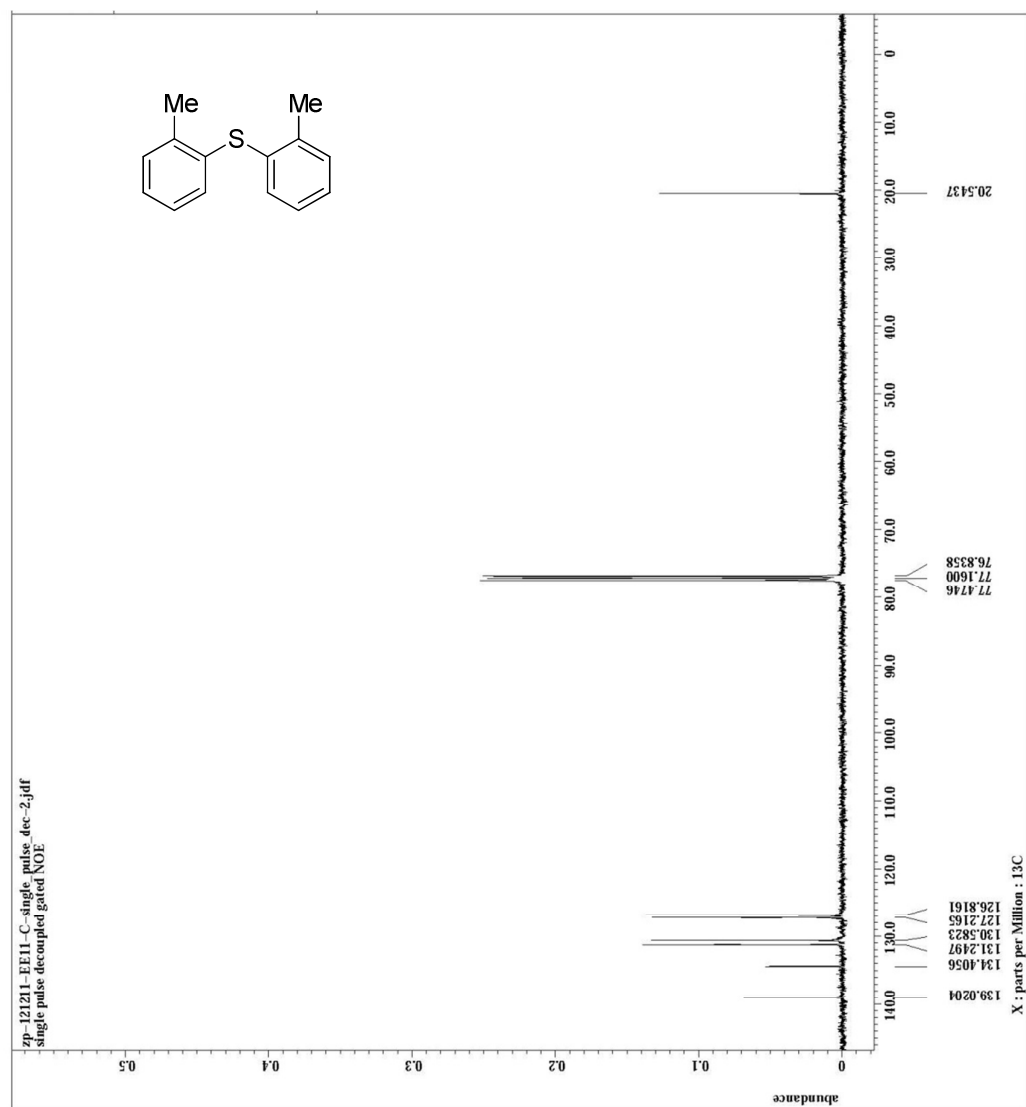
^1H NMR of Compound **2d**



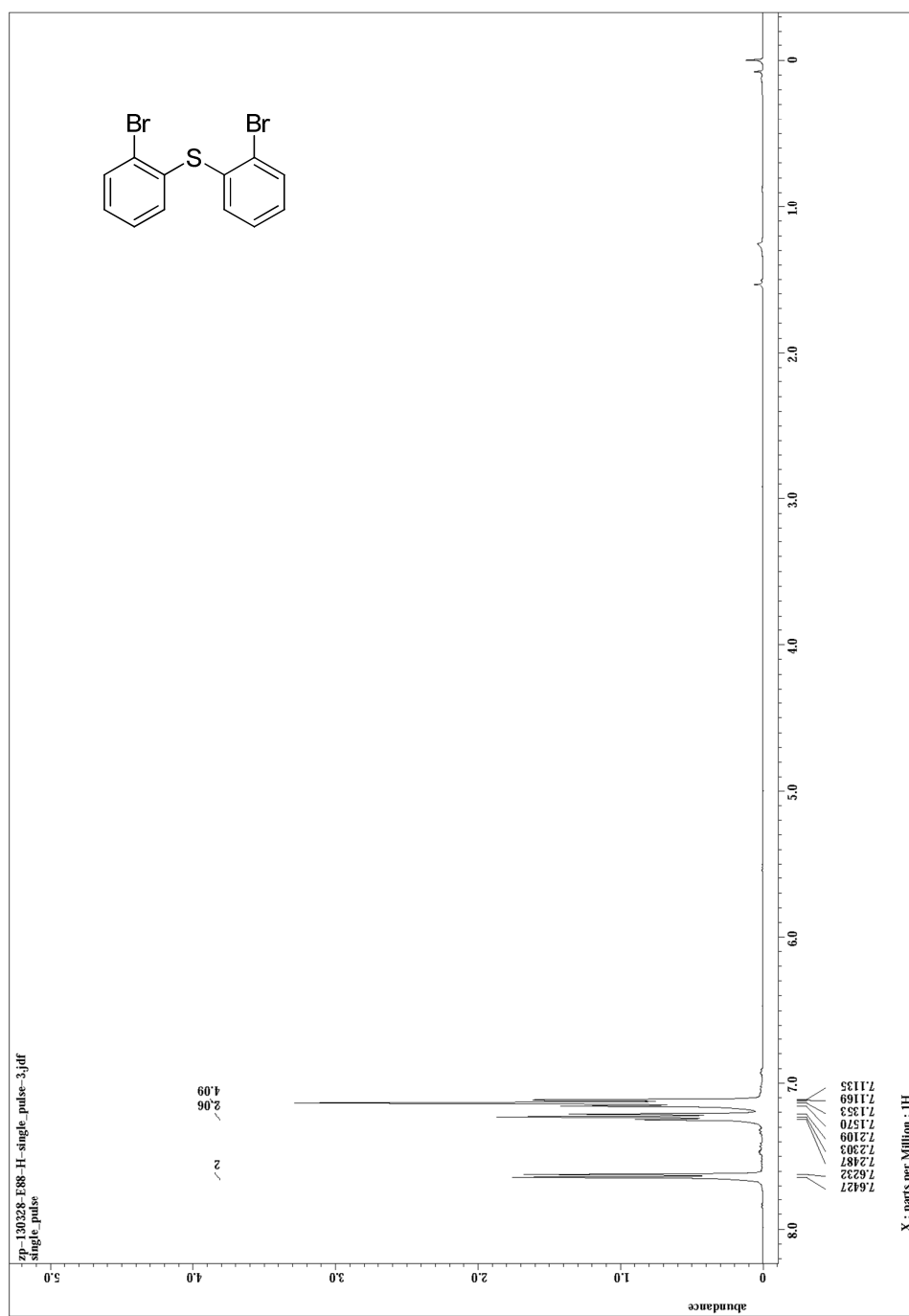
^{13}C NMR of Compound **2d**



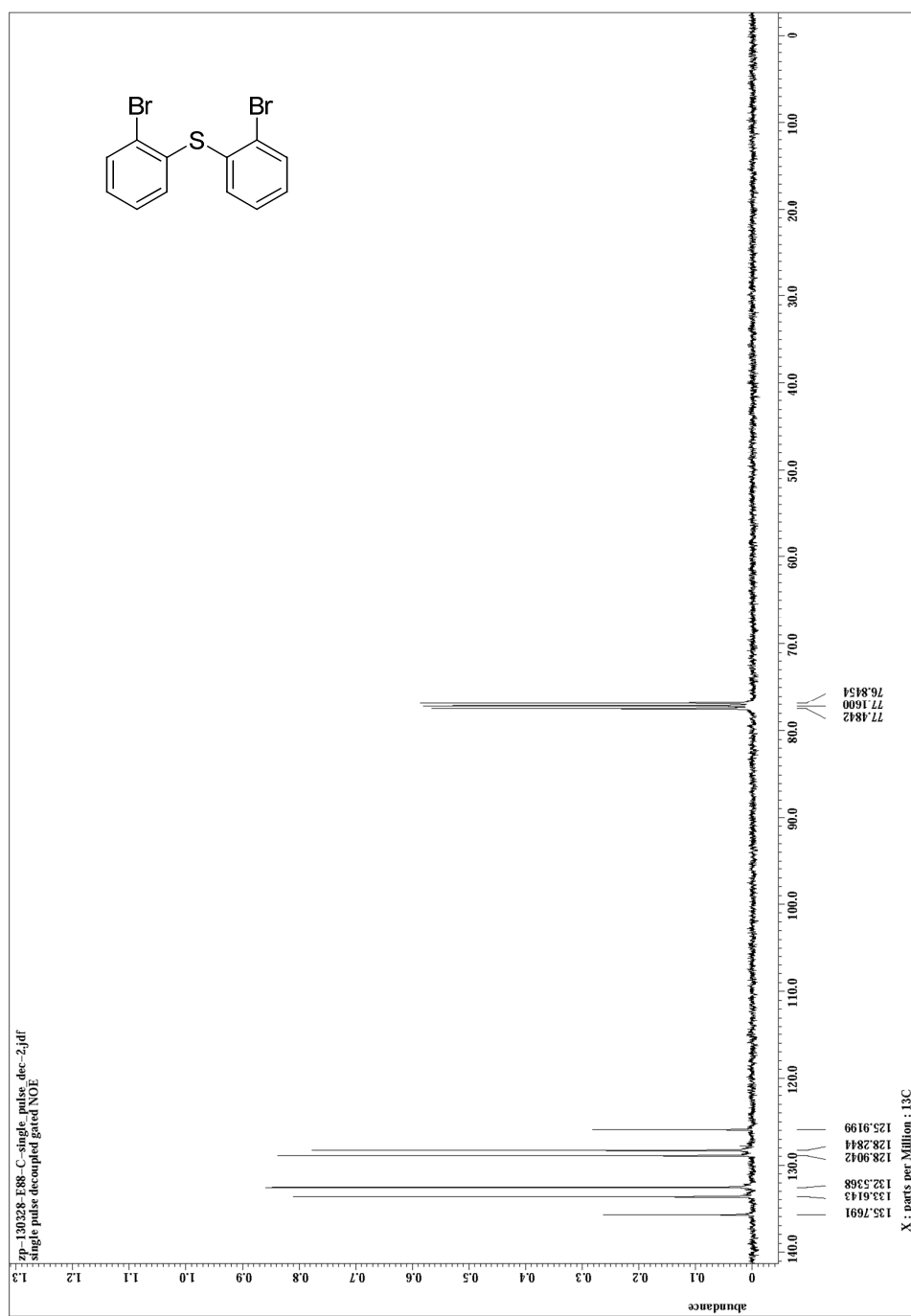
¹H NMR of Compound 2e



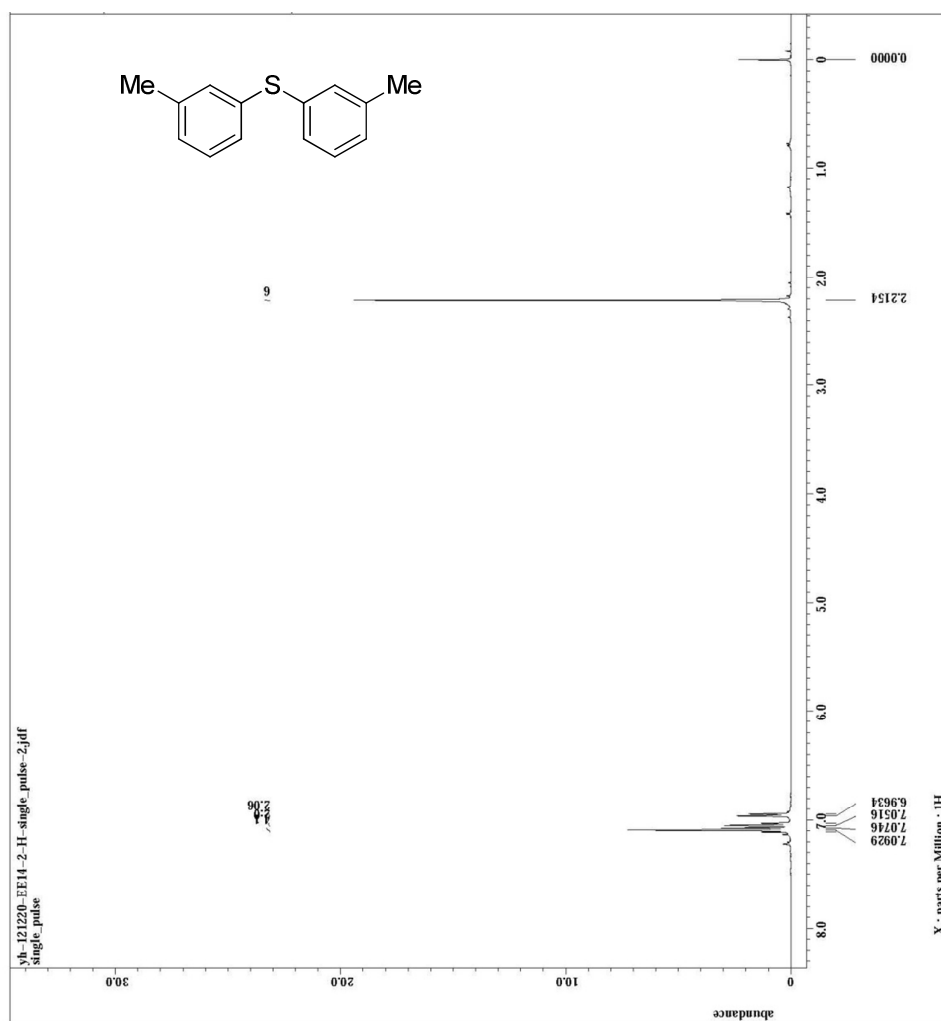
^{13}C NMR of Compound **2e**



¹H NMR of Compound 2f



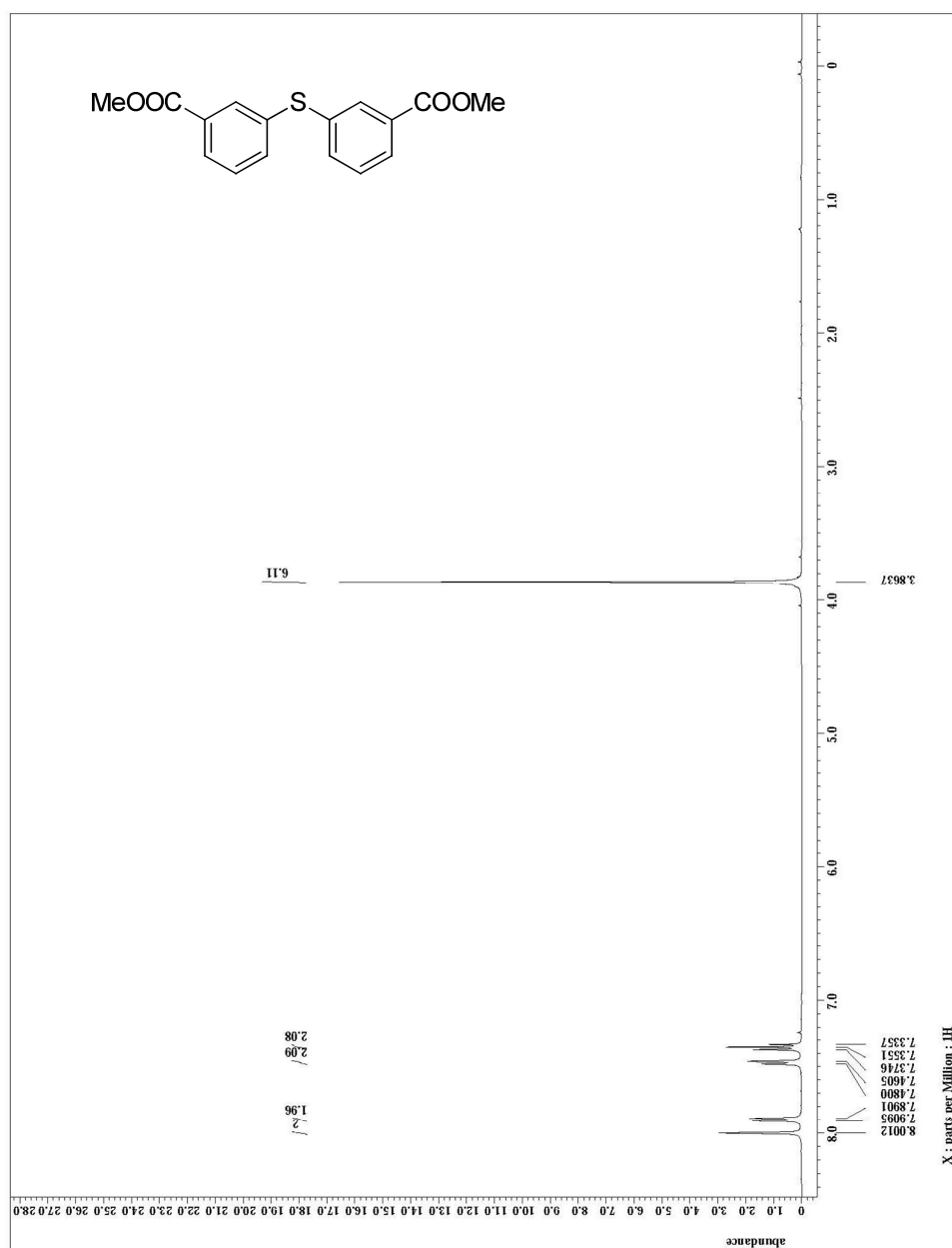
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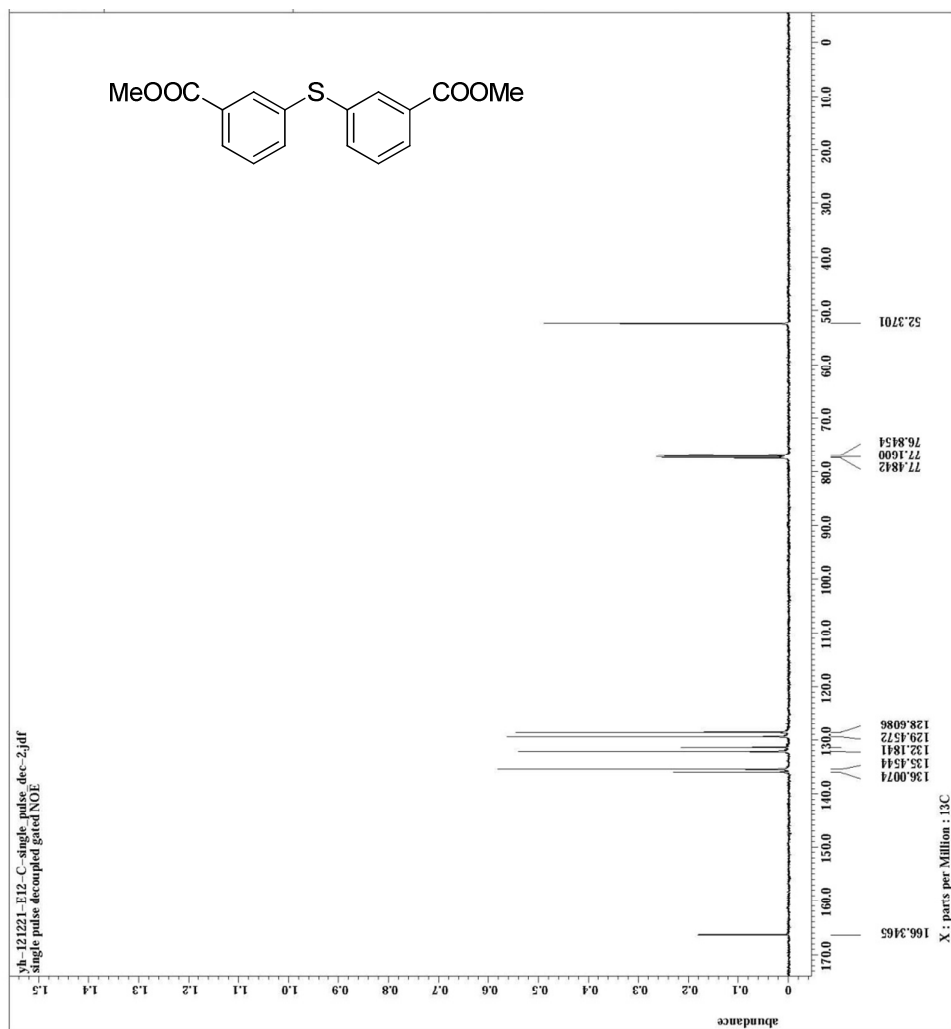
^1H NMR of Compound **2g**



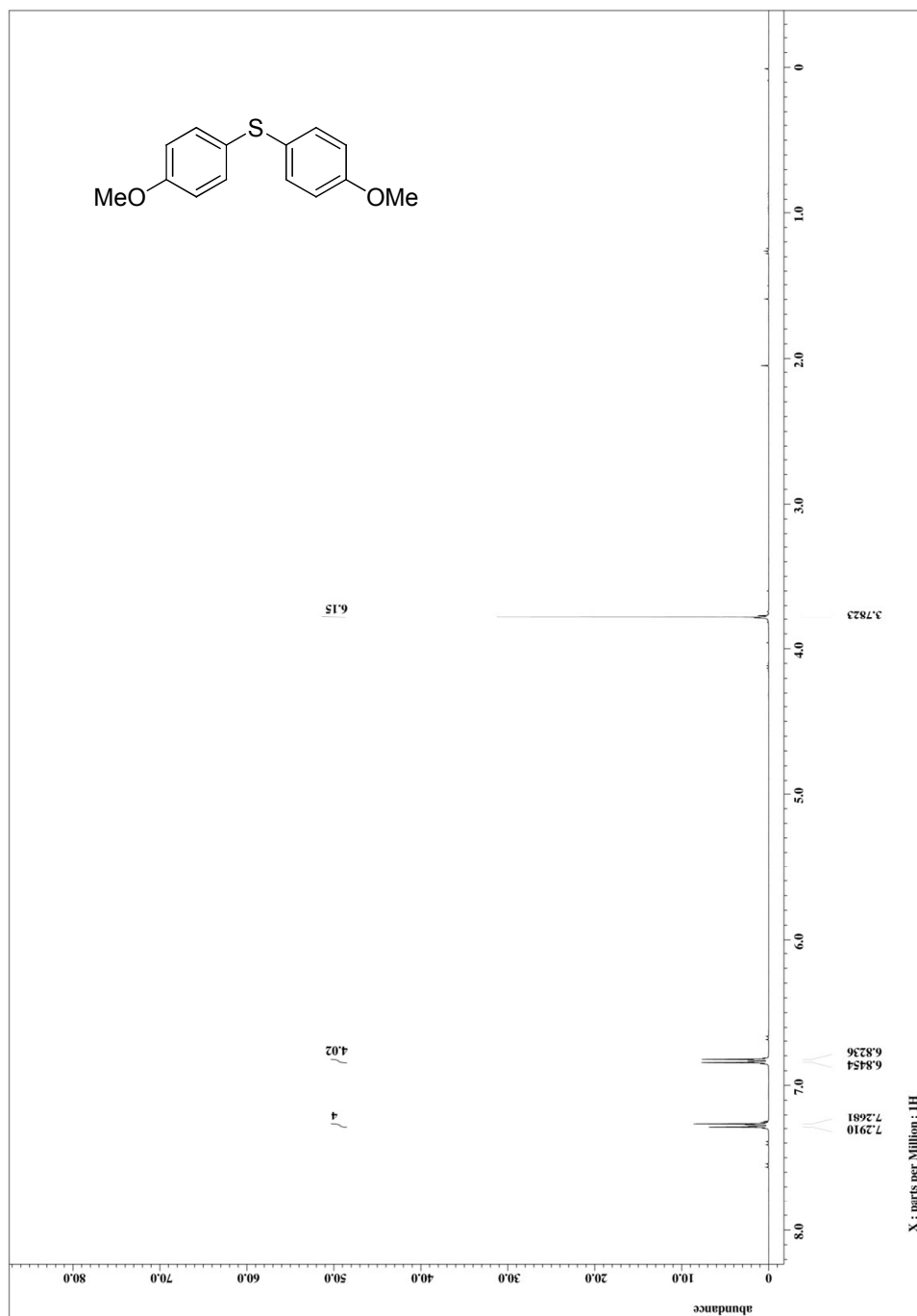
^{13}C NMR of Compound **2g**



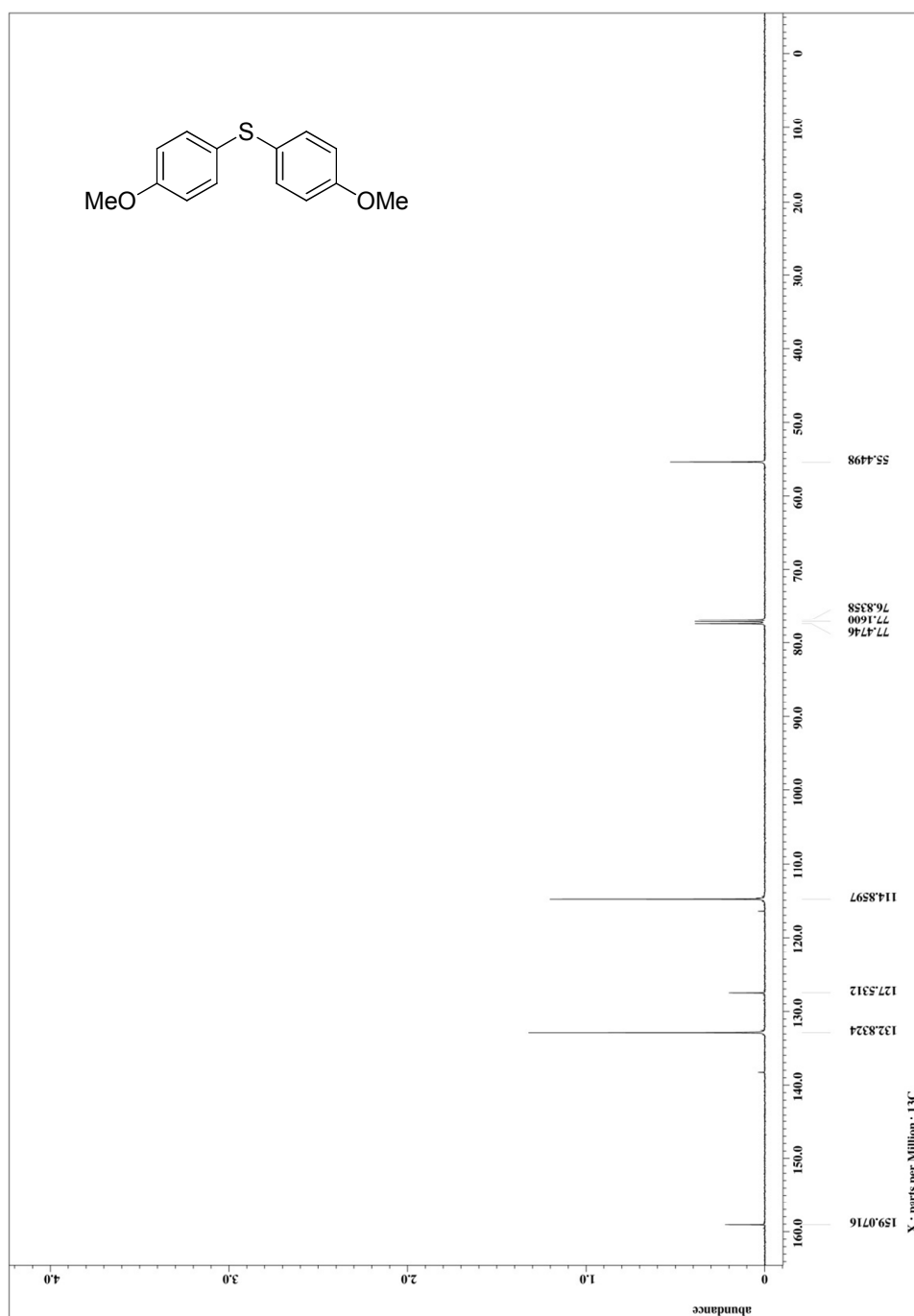
¹H NMR of Compound **2h**



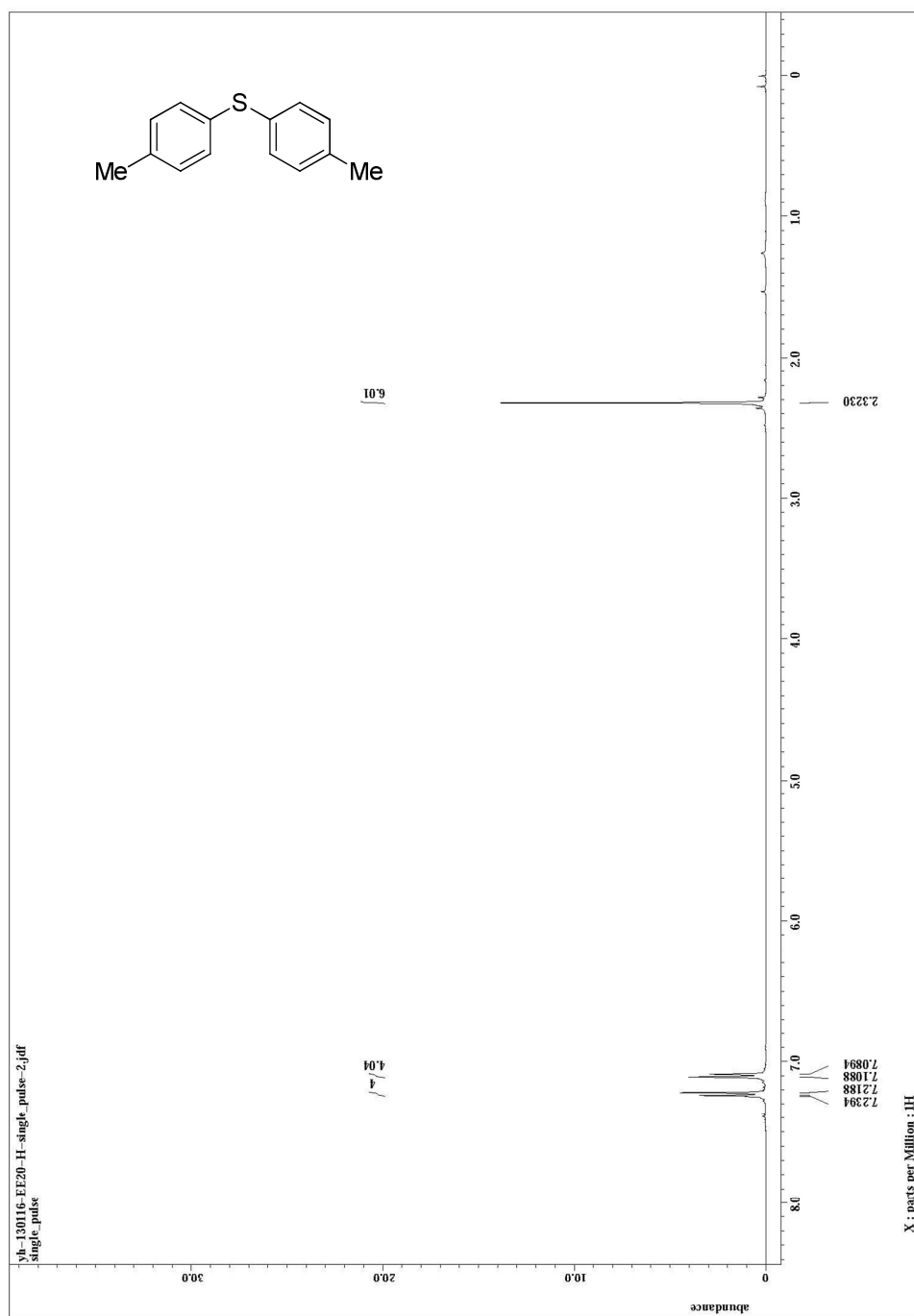
¹³C NMR of Compound **2h**



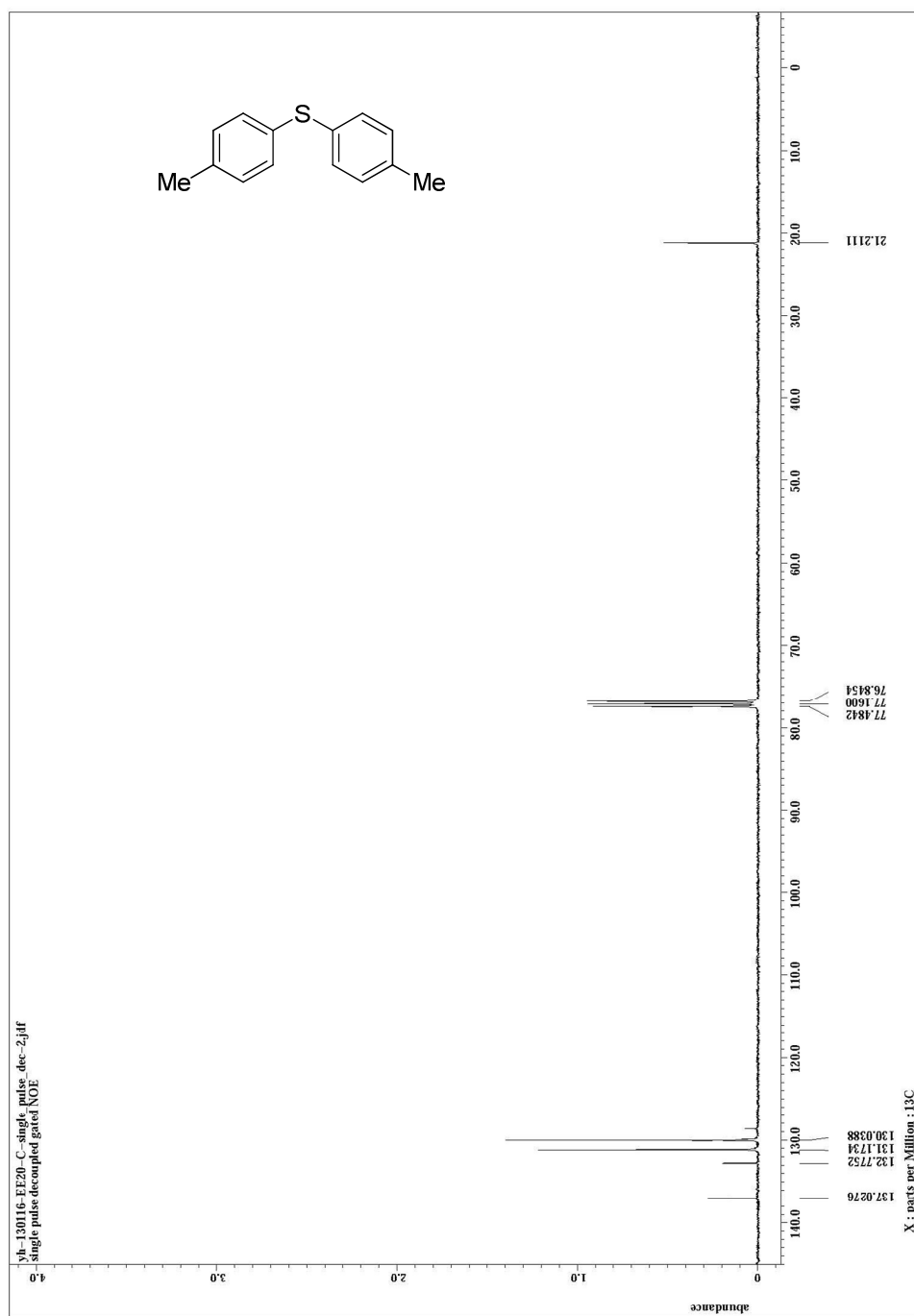
¹H NMR of Compound **2i**



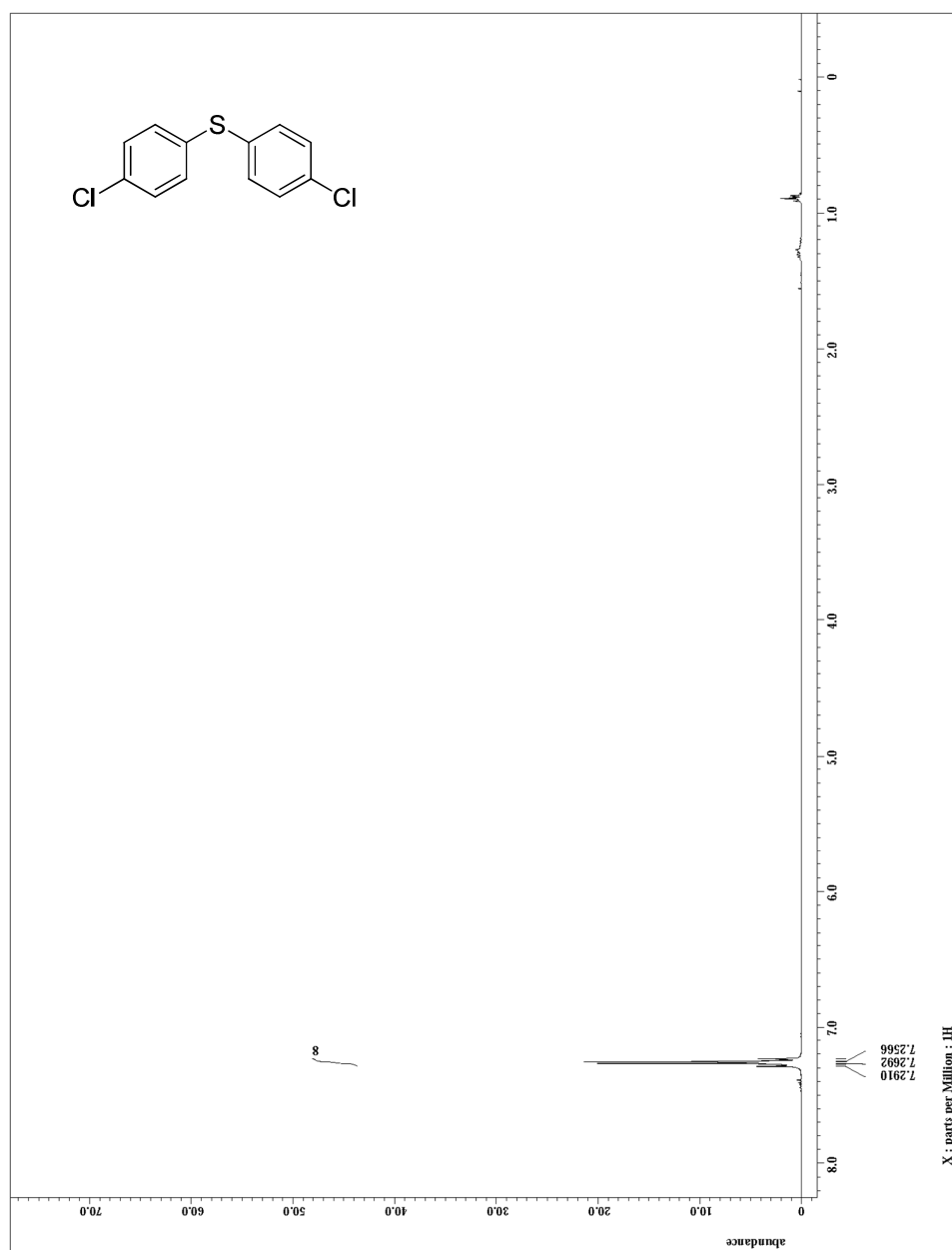
^{13}C NMR of Compound **2i**



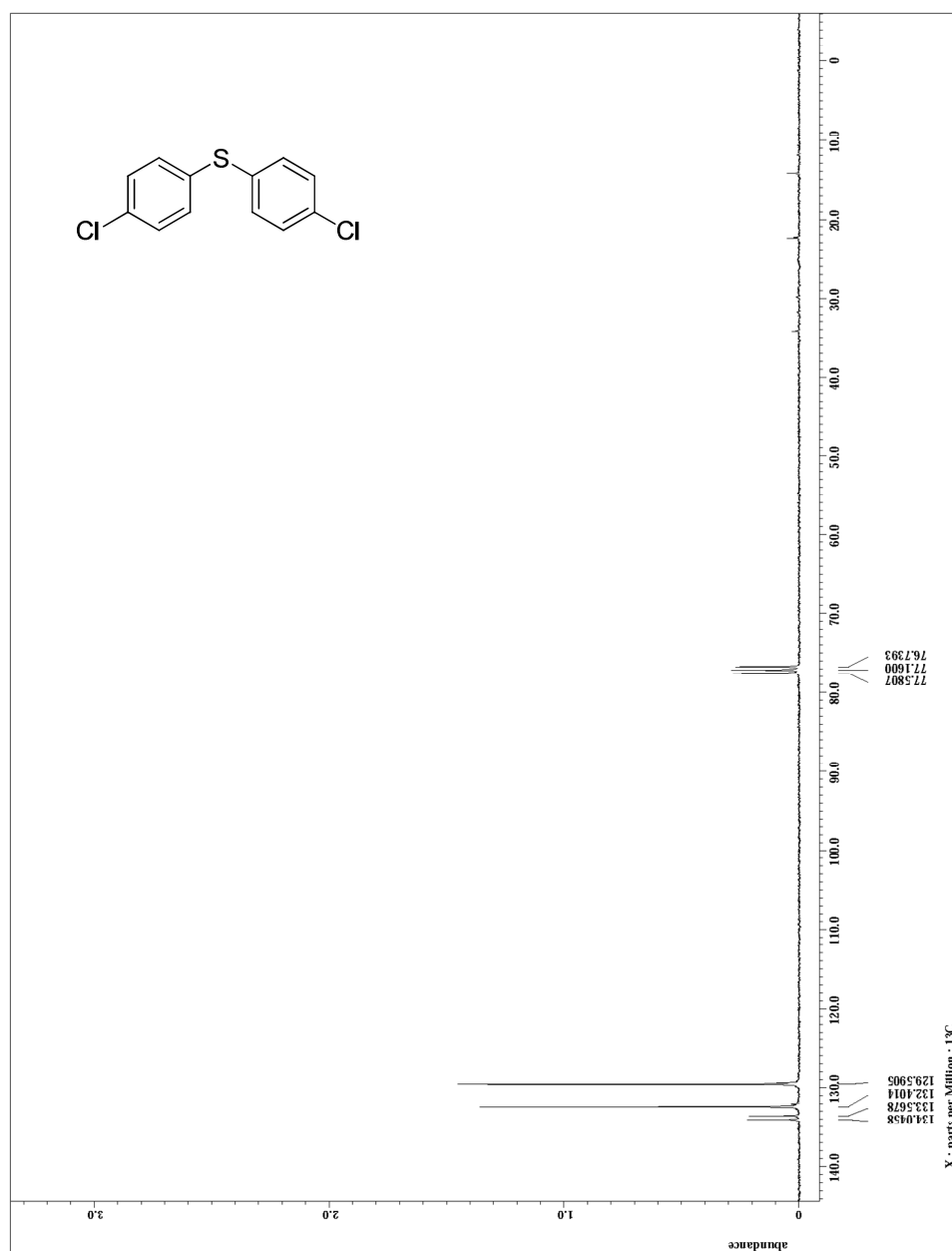
^1H NMR of Compound 2j



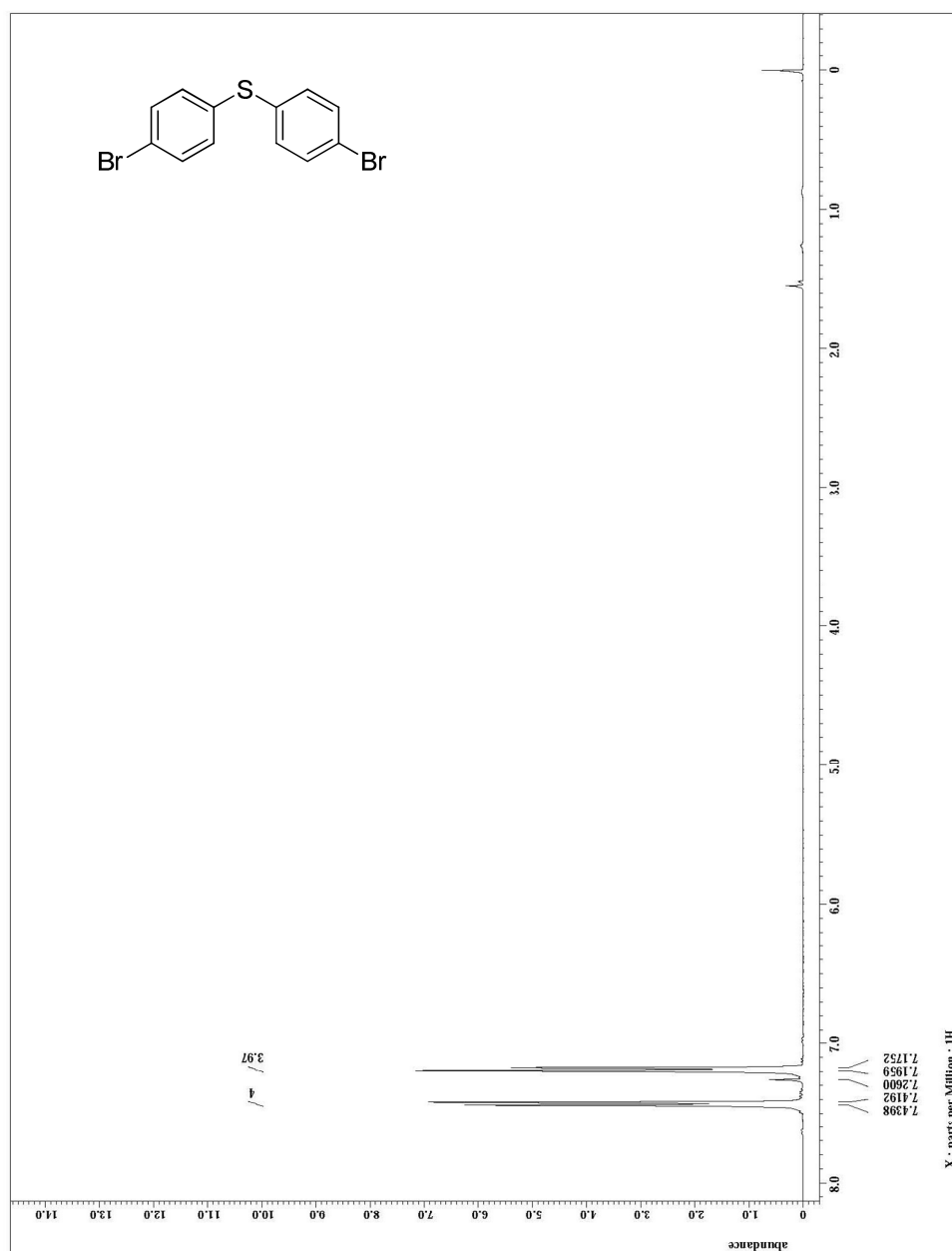
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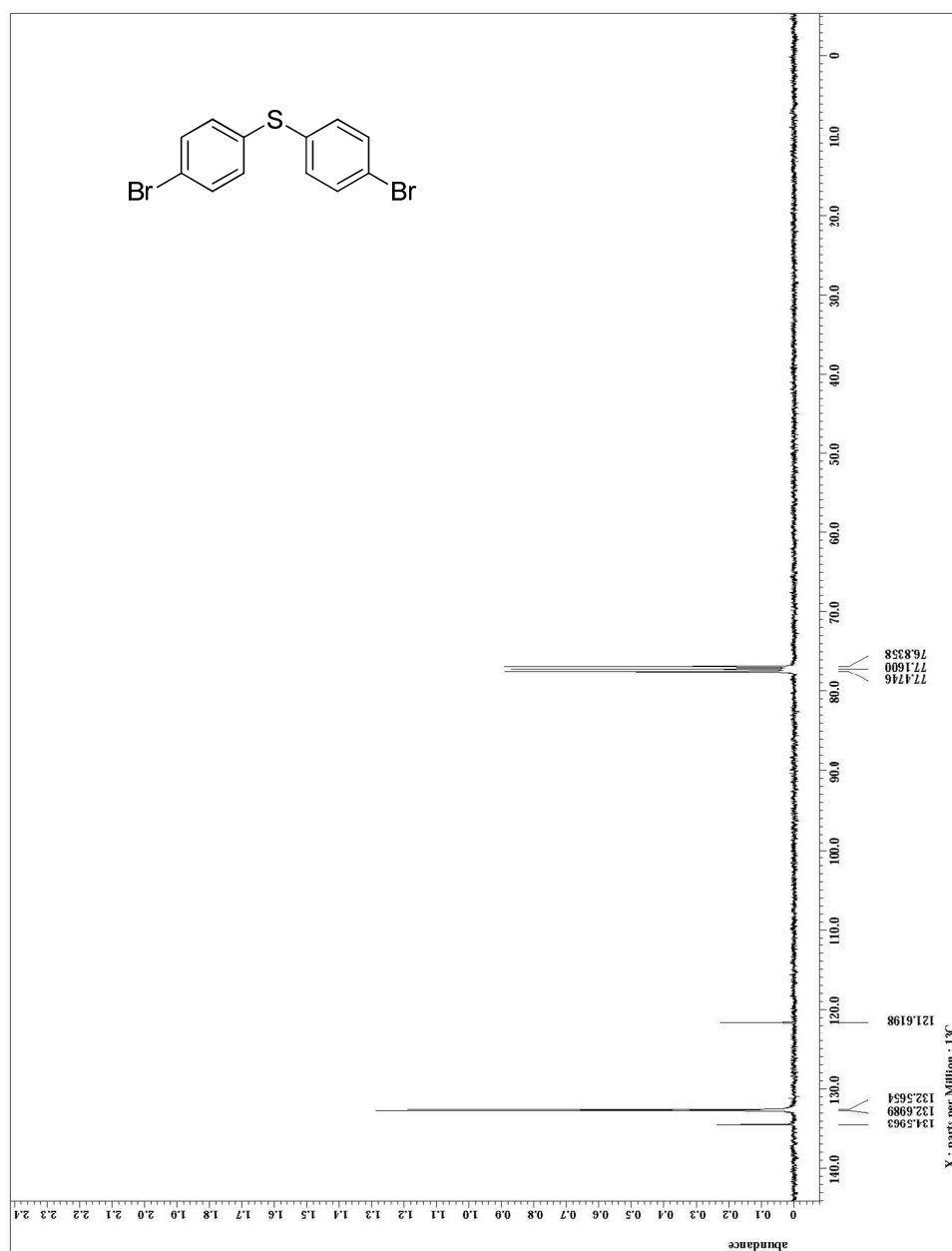
^1H NMR of Compound **2k**



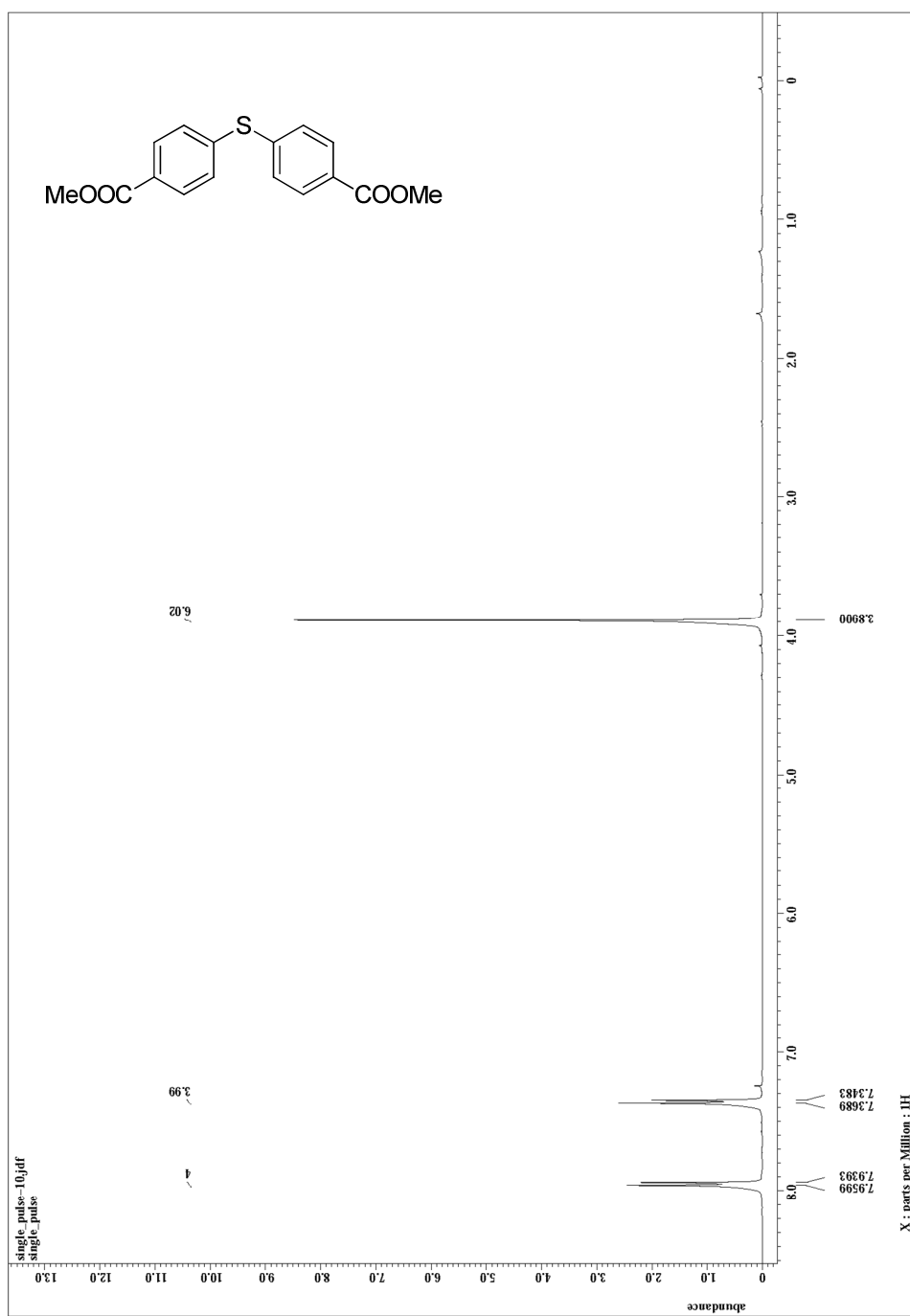
^{13}C NMR of Compound **2k**



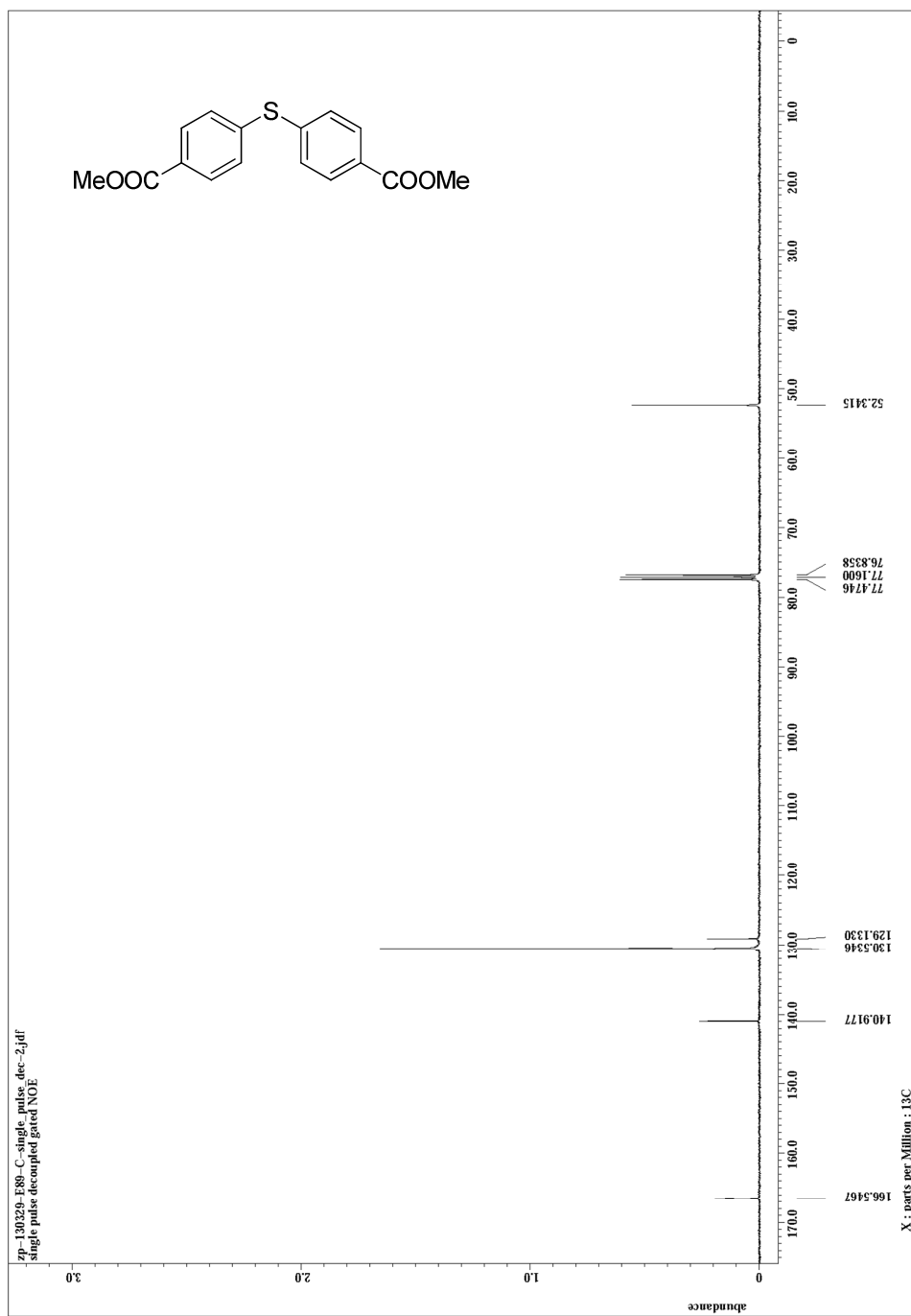
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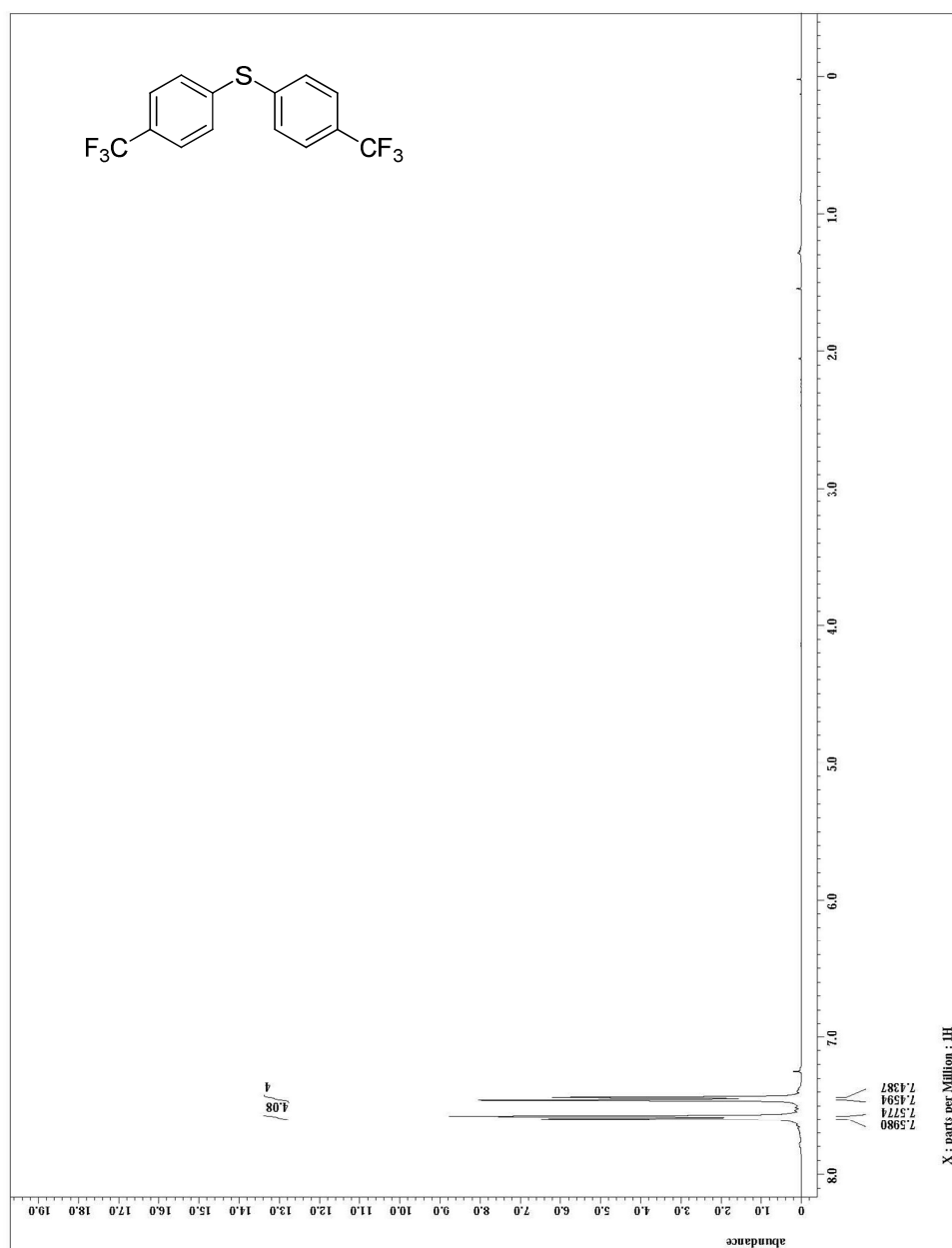
^{13}C NMR of Compound **21**



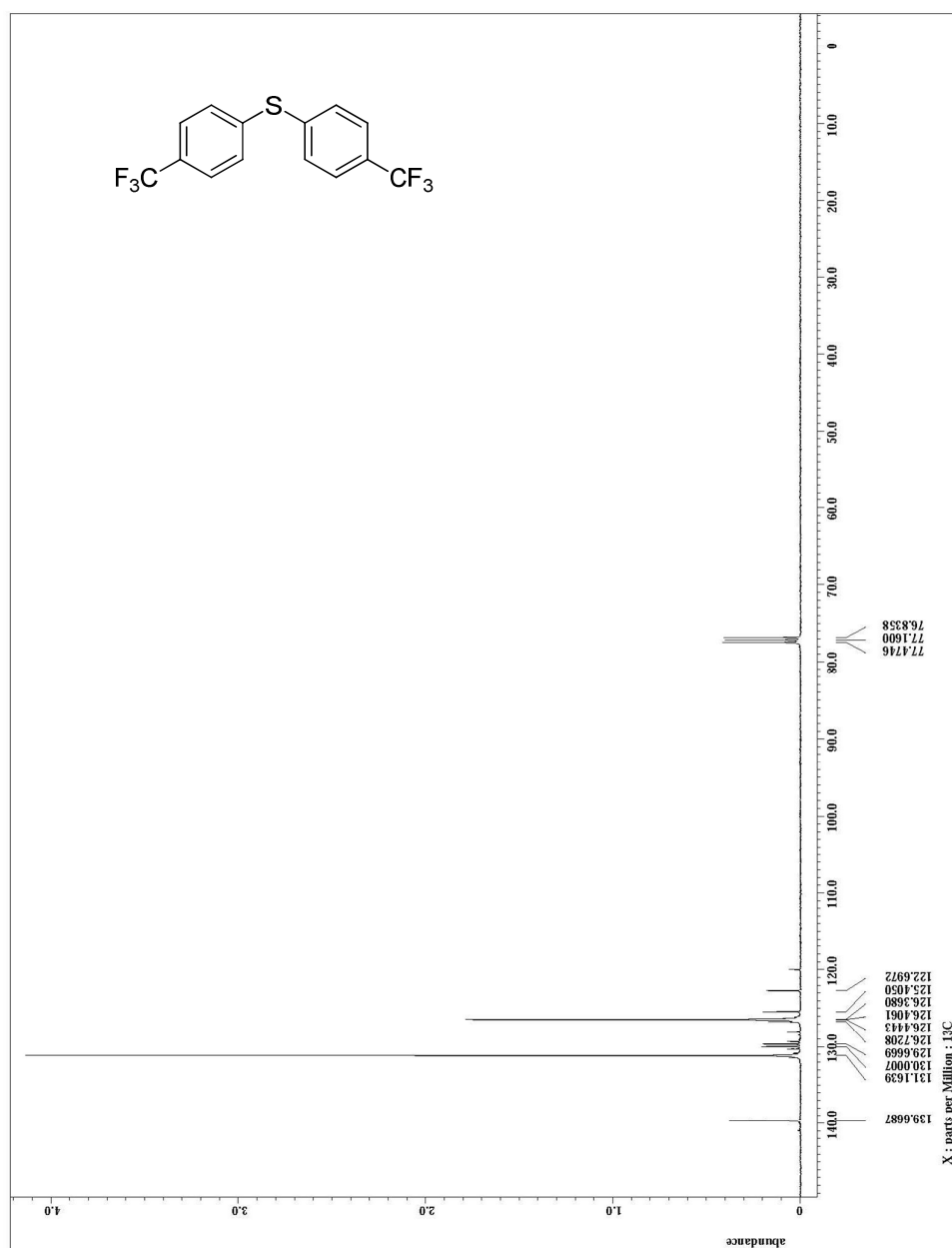
^1H NMR of Compound **2m**



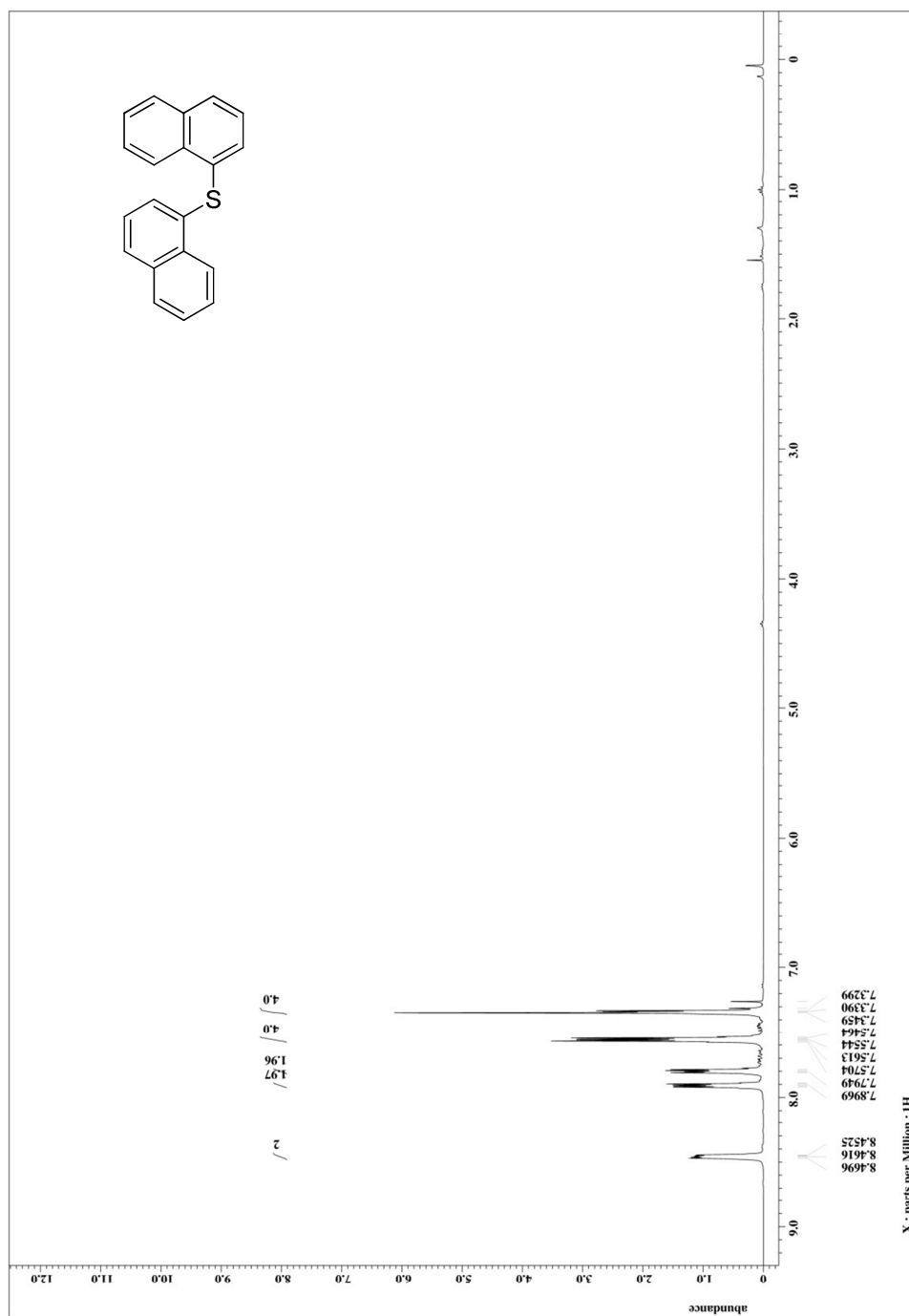
¹³C NMR of Compound 2m



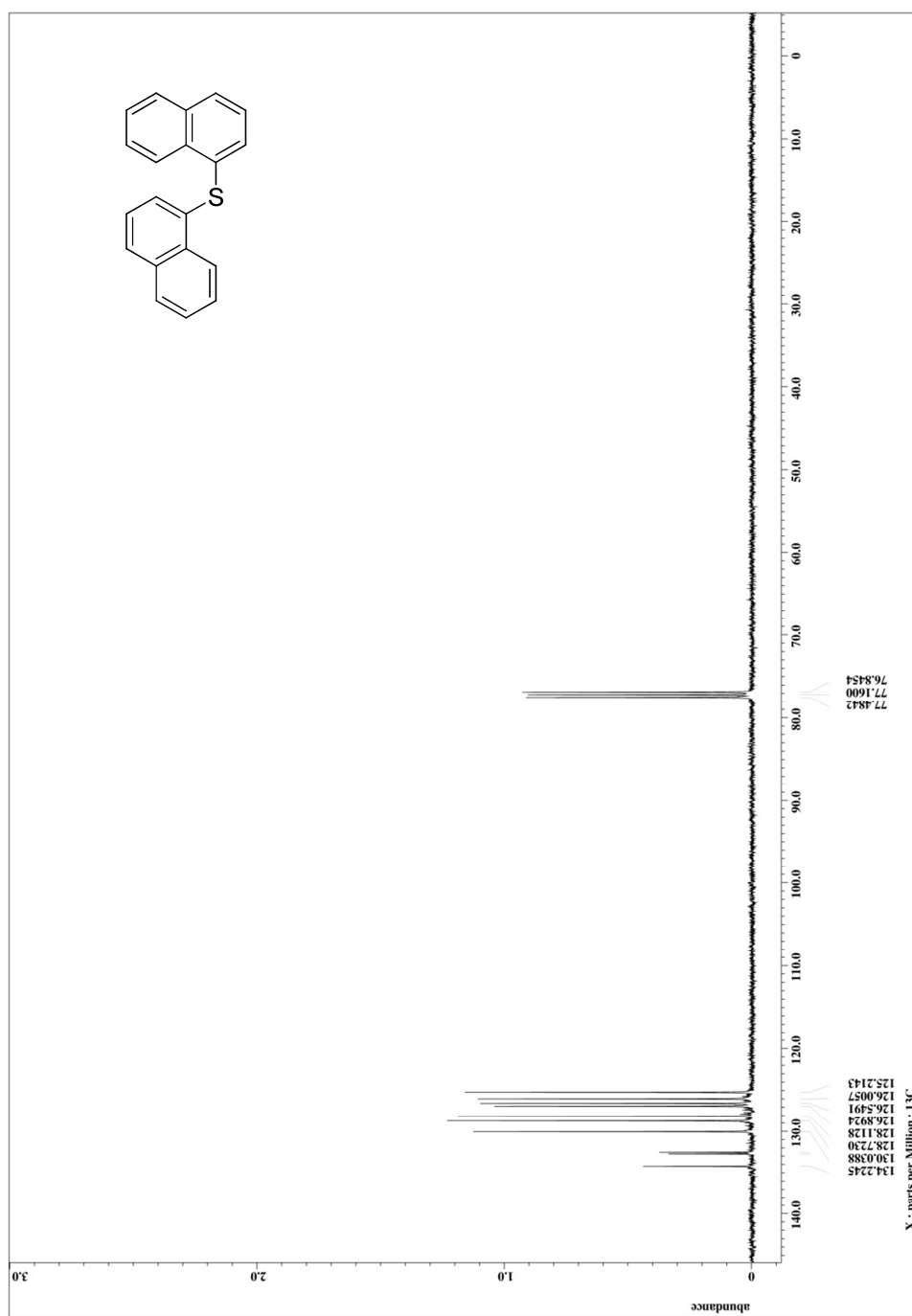
^1H NMR of Compound **2n**



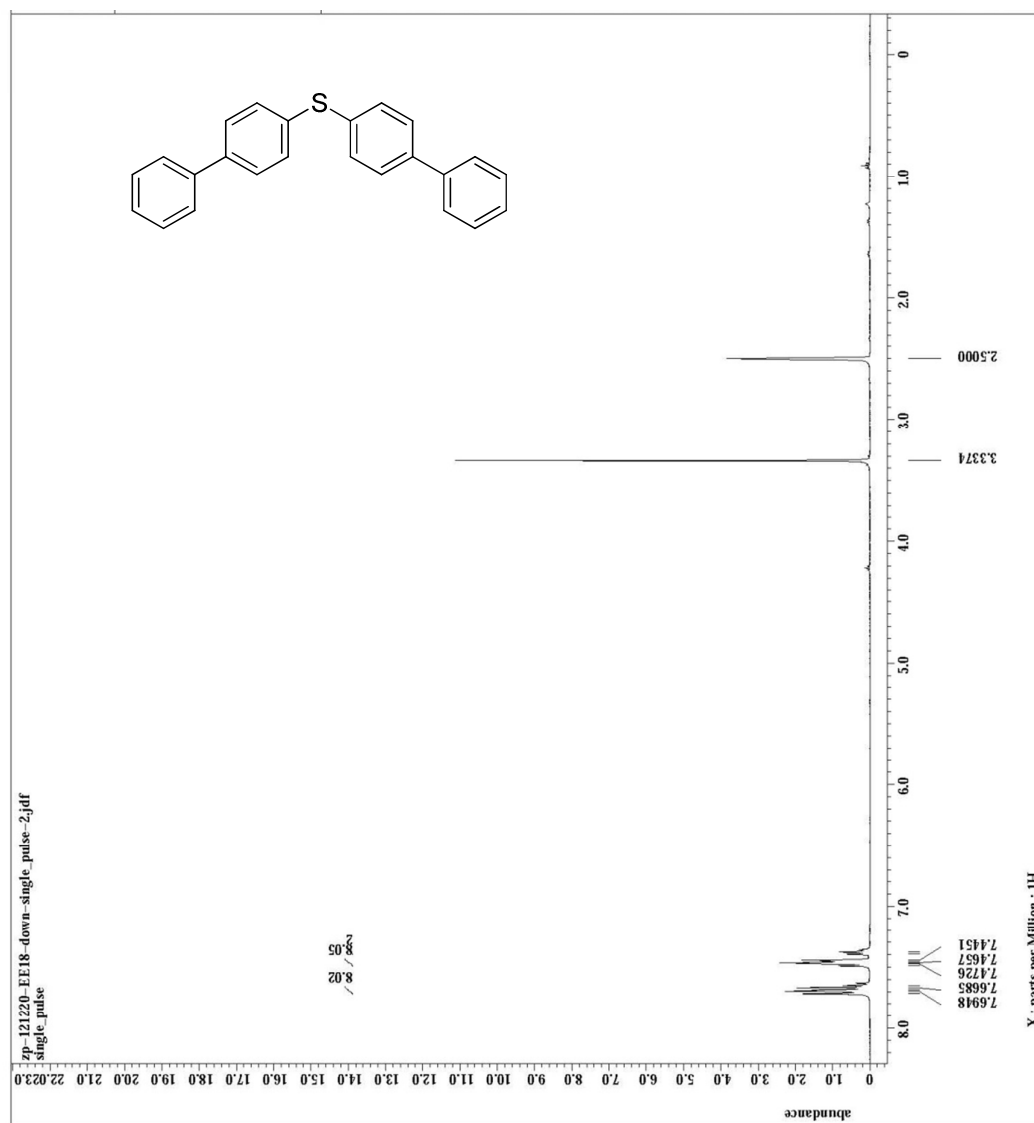
^{13}C NMR of Compound **2n**



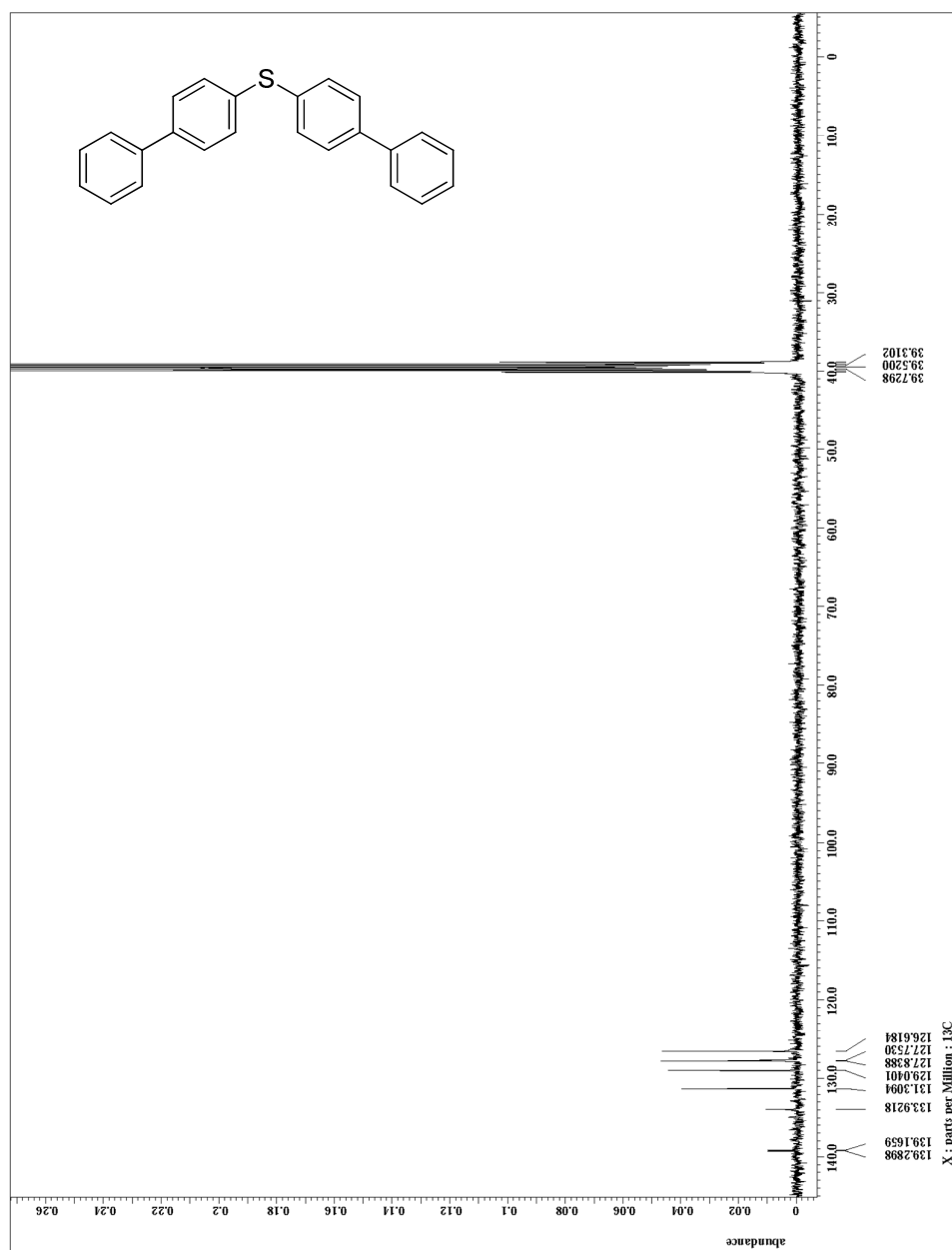
¹H NMR of Compound 2o



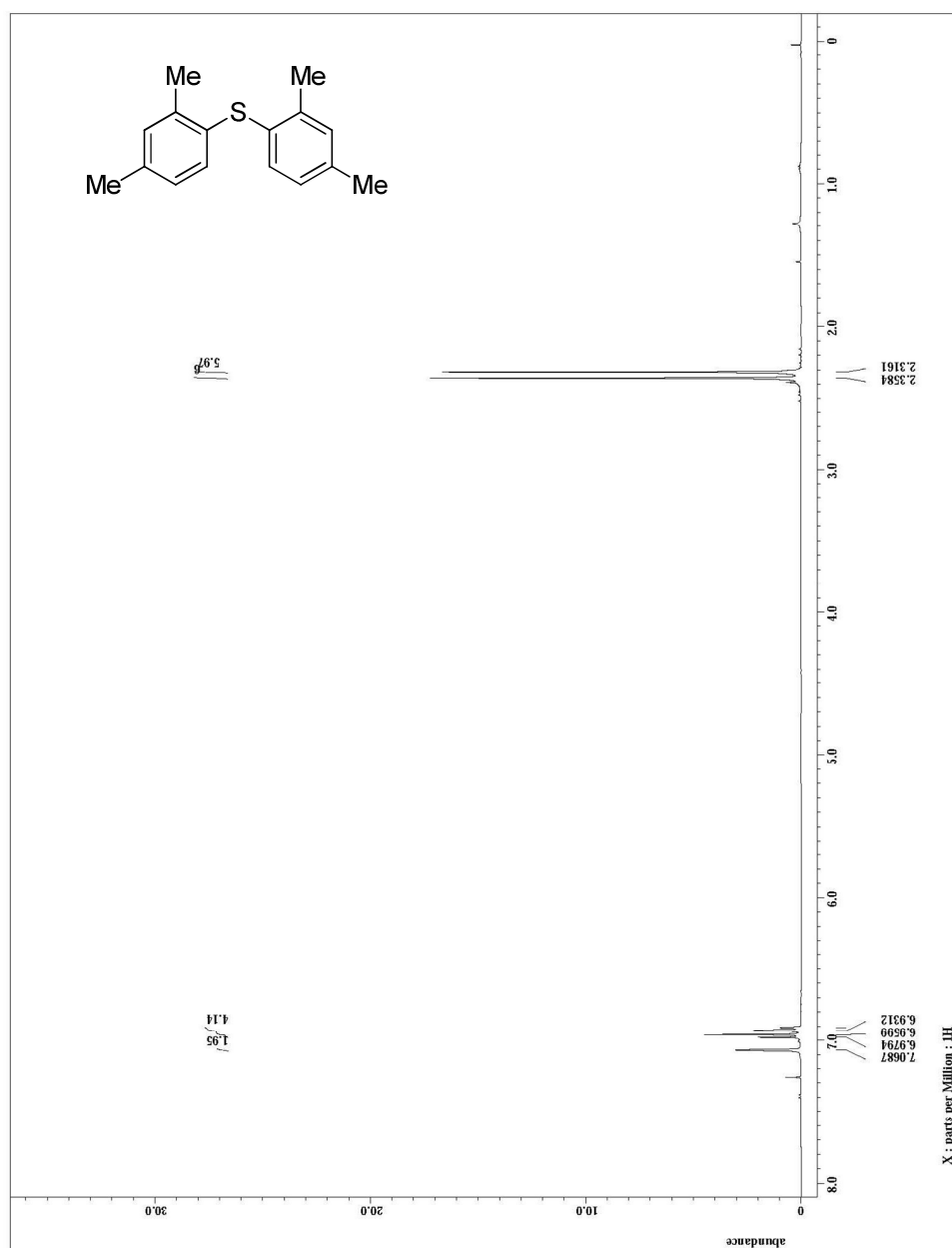
^{13}C NMR of Compound **20**



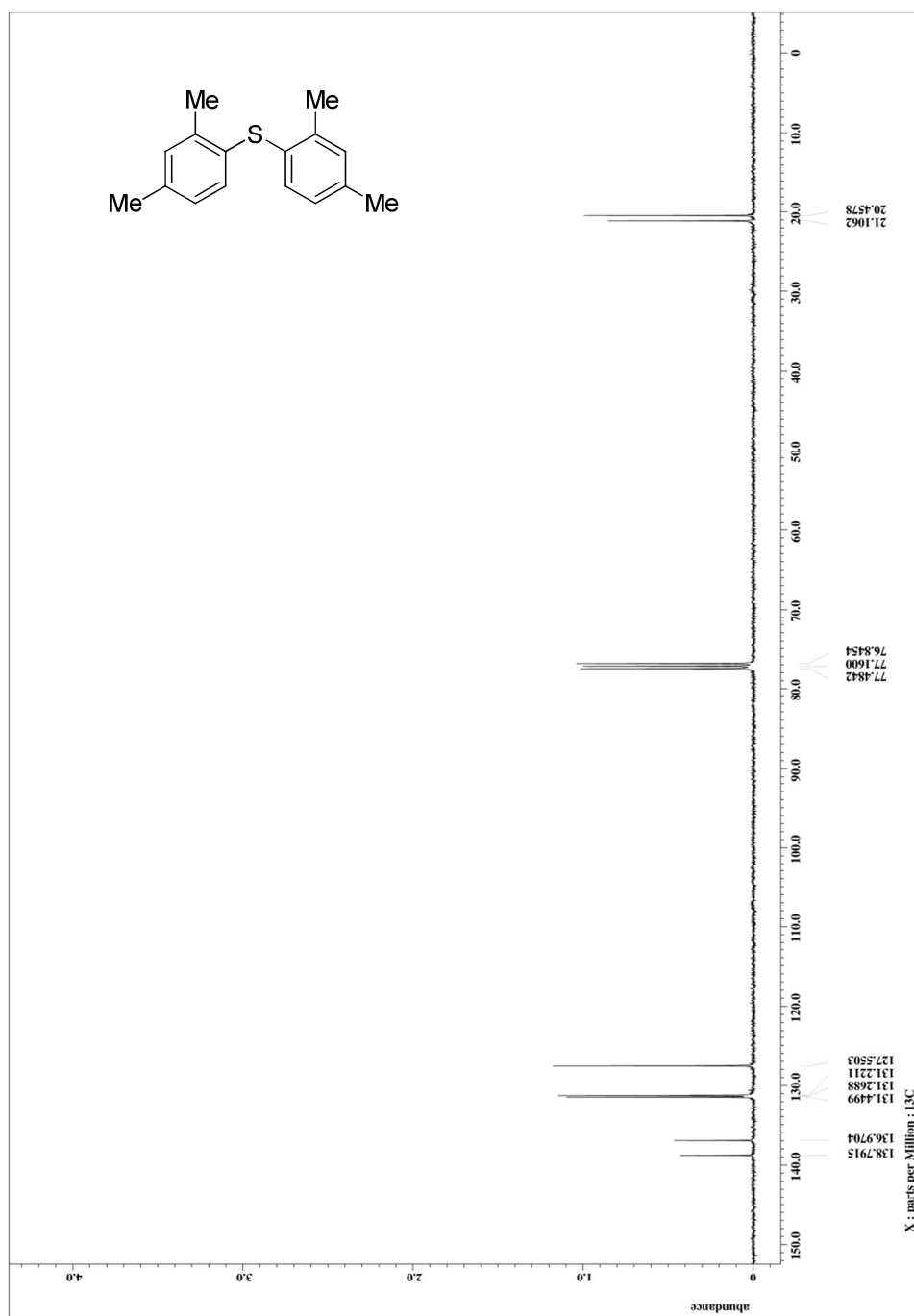
¹H NMR of Compound **2p**



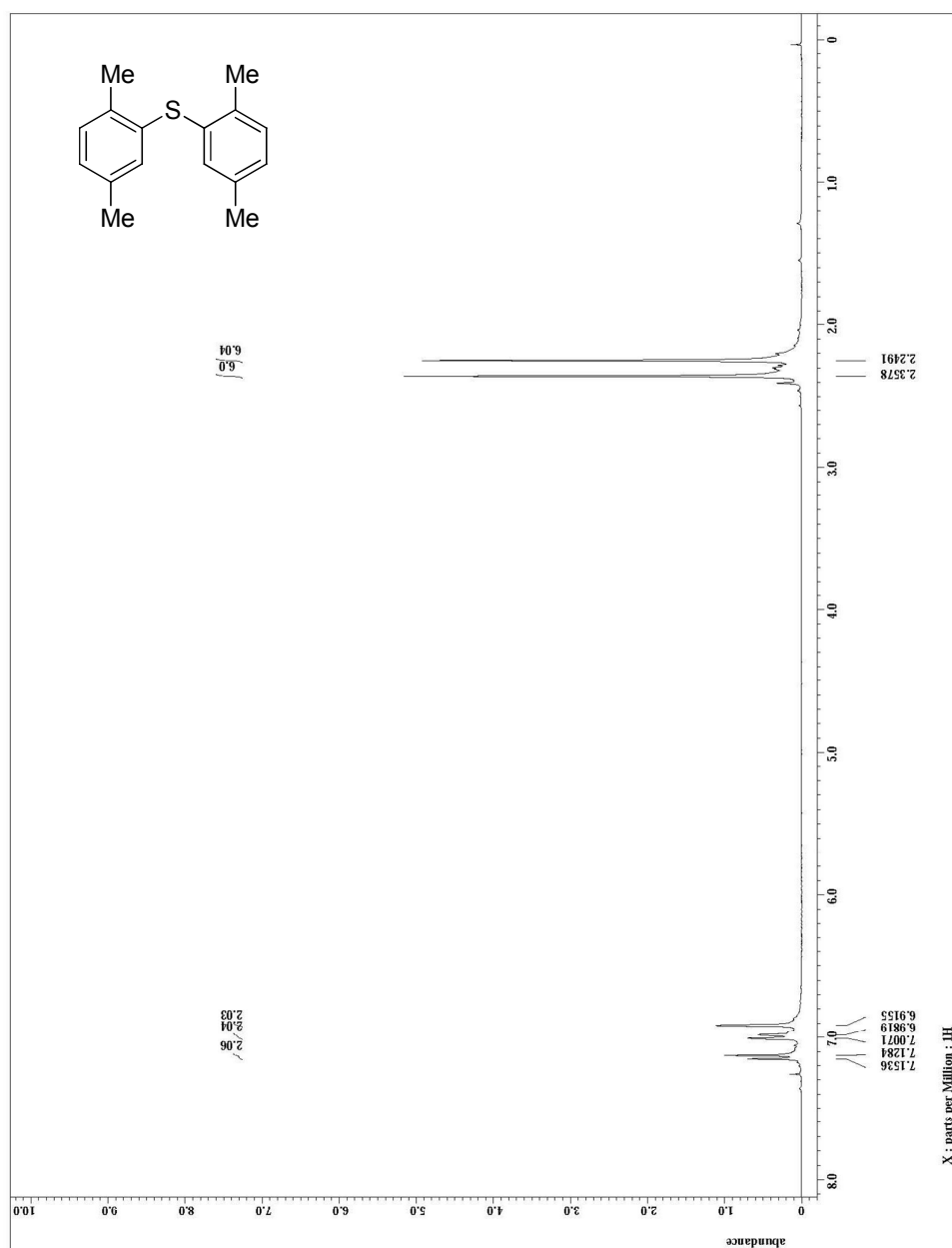
¹³C NMR of Compound 2p



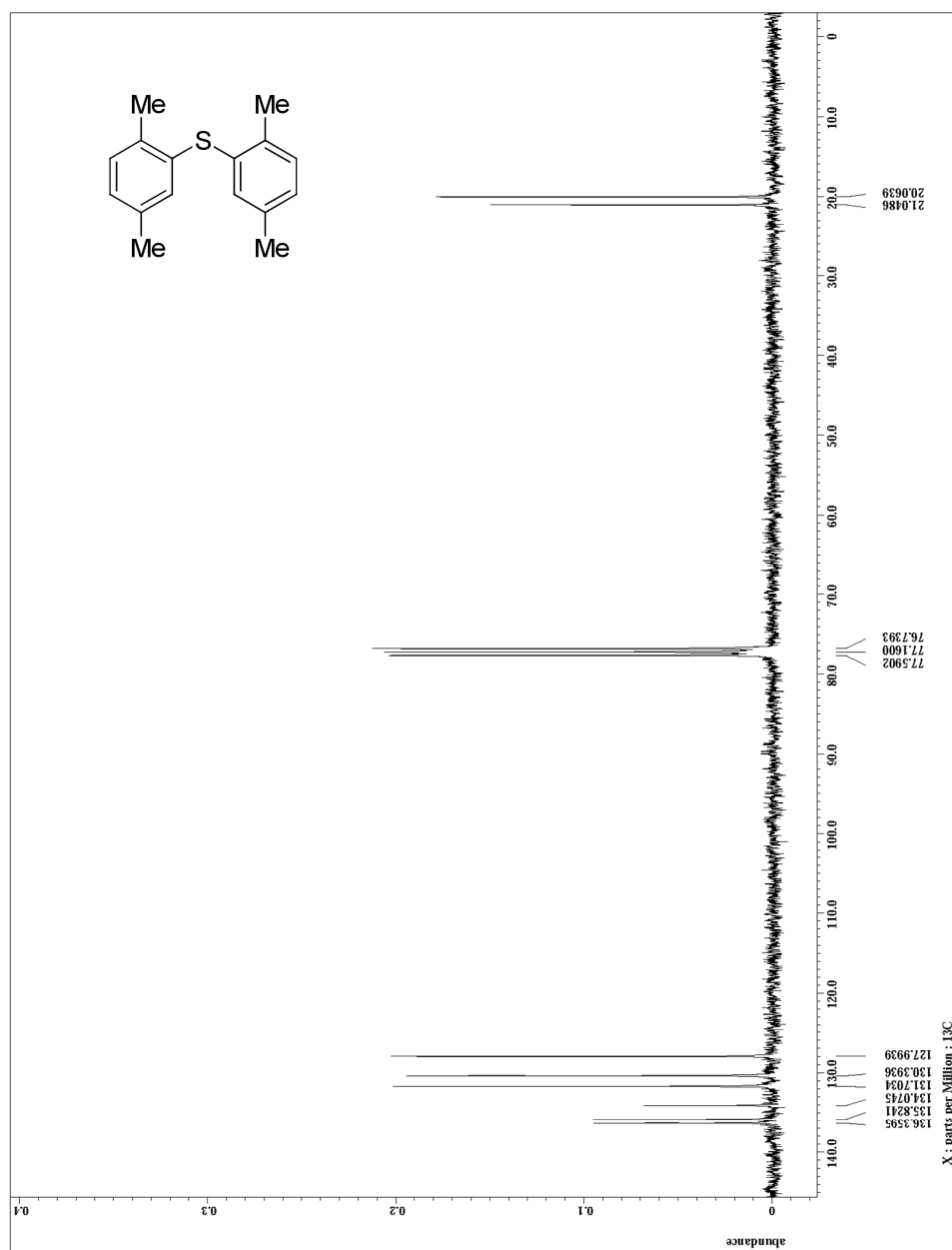
^1H NMR of Compound **2q**



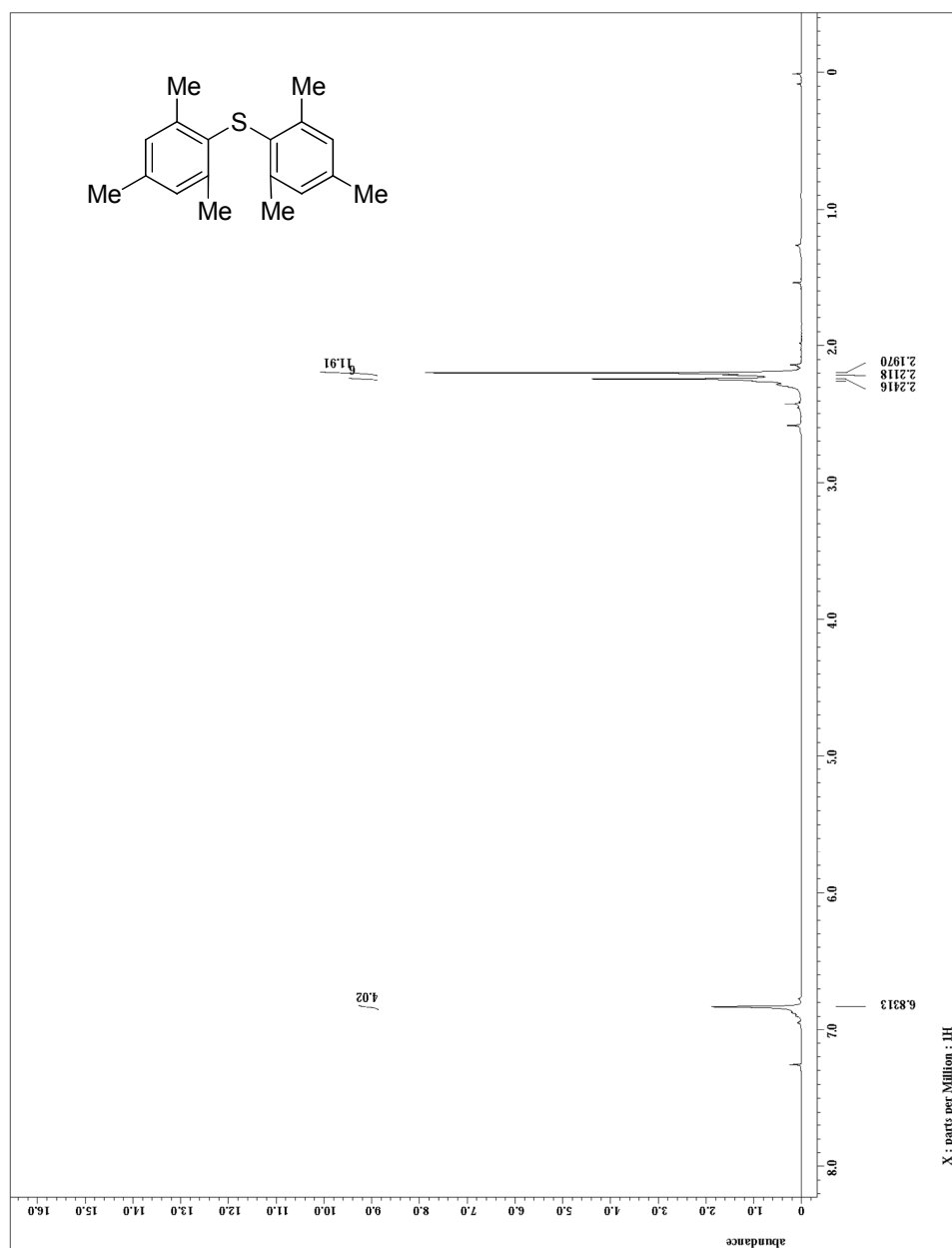
^{13}C NMR of Compound 2q



¹H NMR of Compound 2r



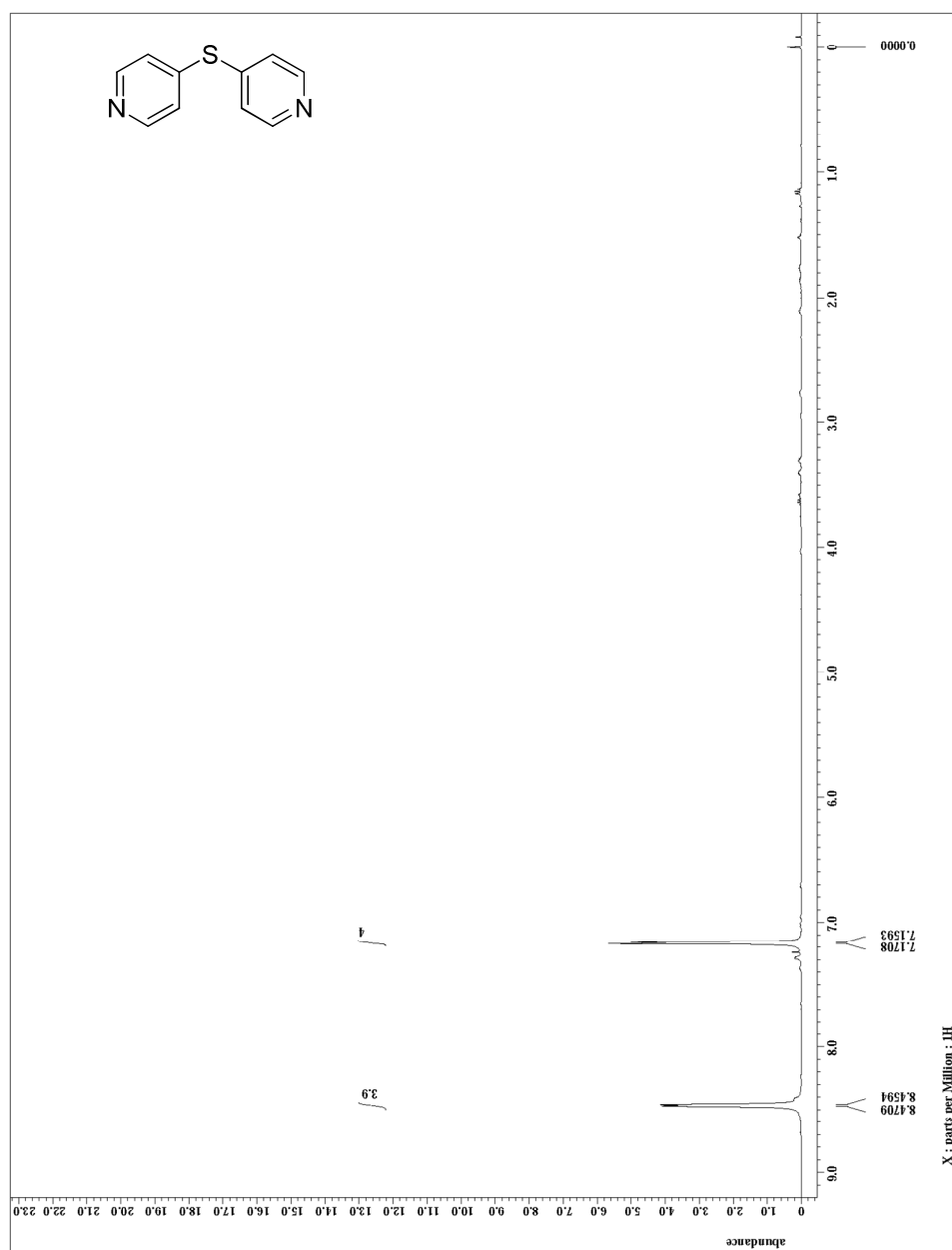
^{13}C NMR of Compound **2r**



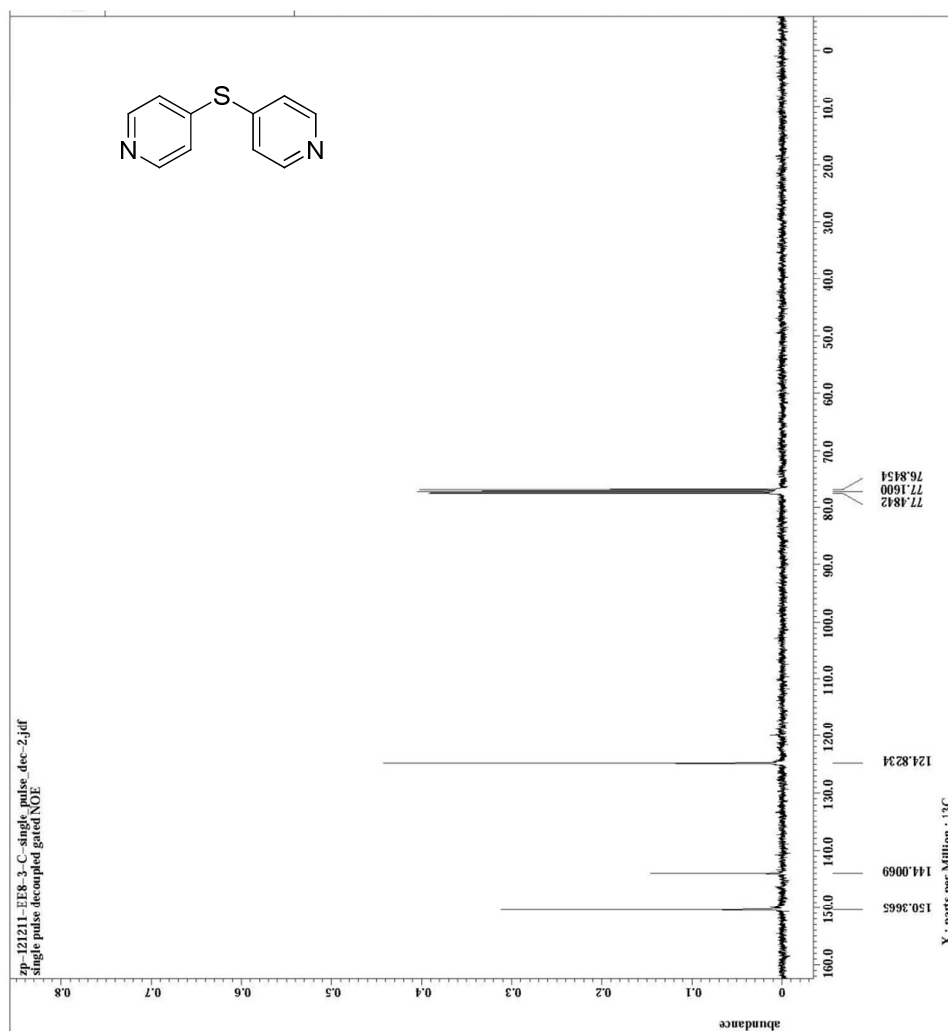
^1H NMR of Compound 2s



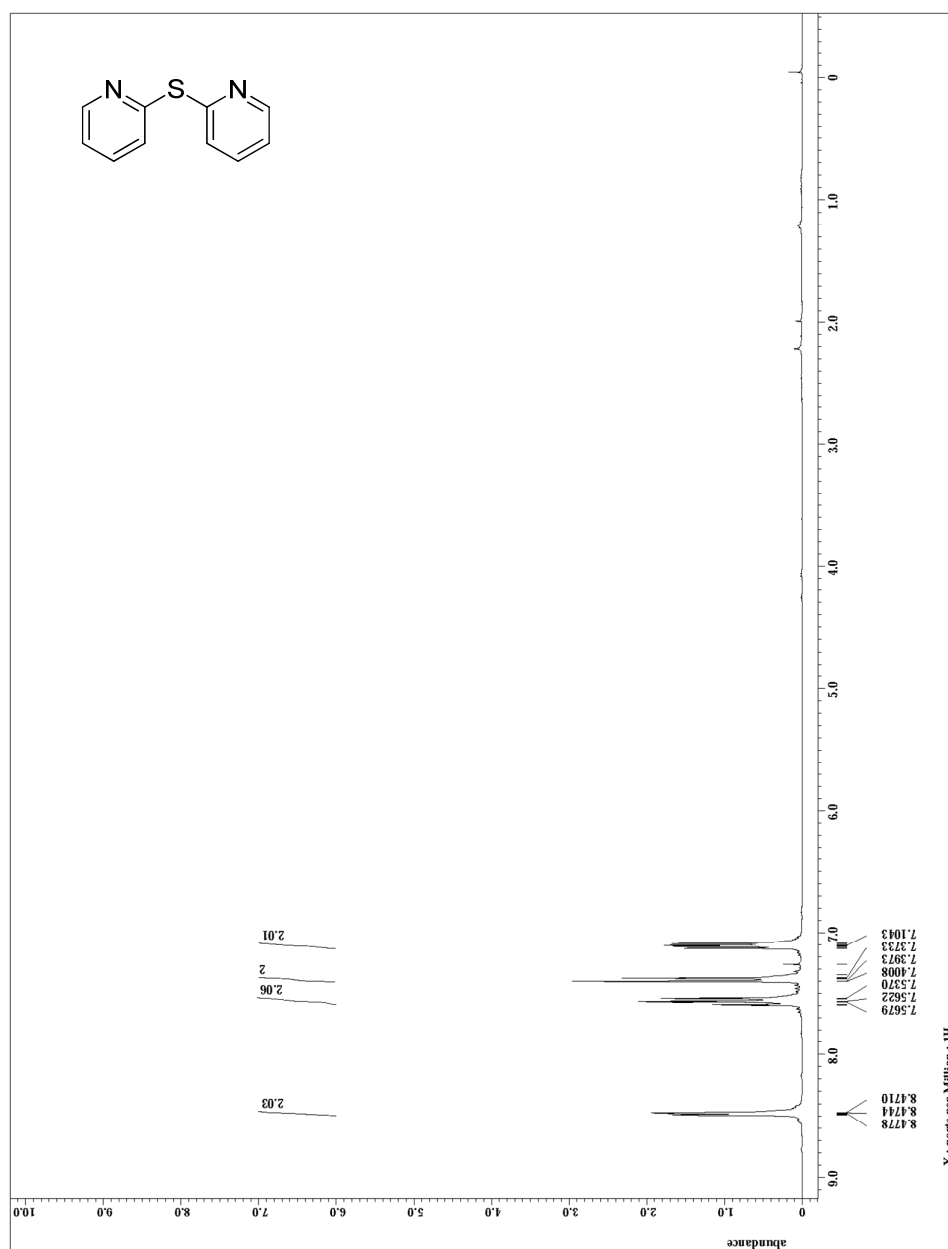
^{13}C NMR of Compound **2s**



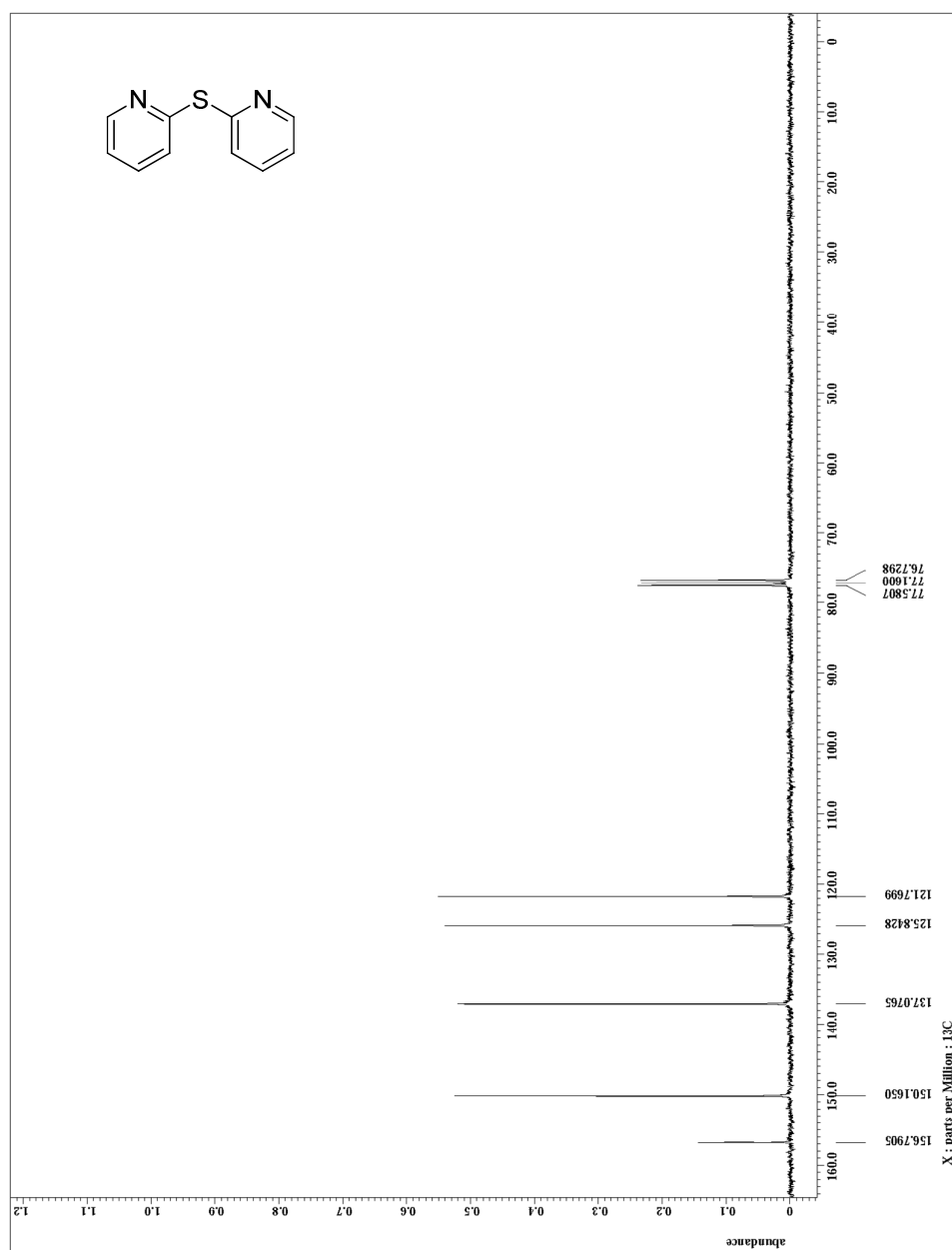
^1H NMR of Compound **2t**



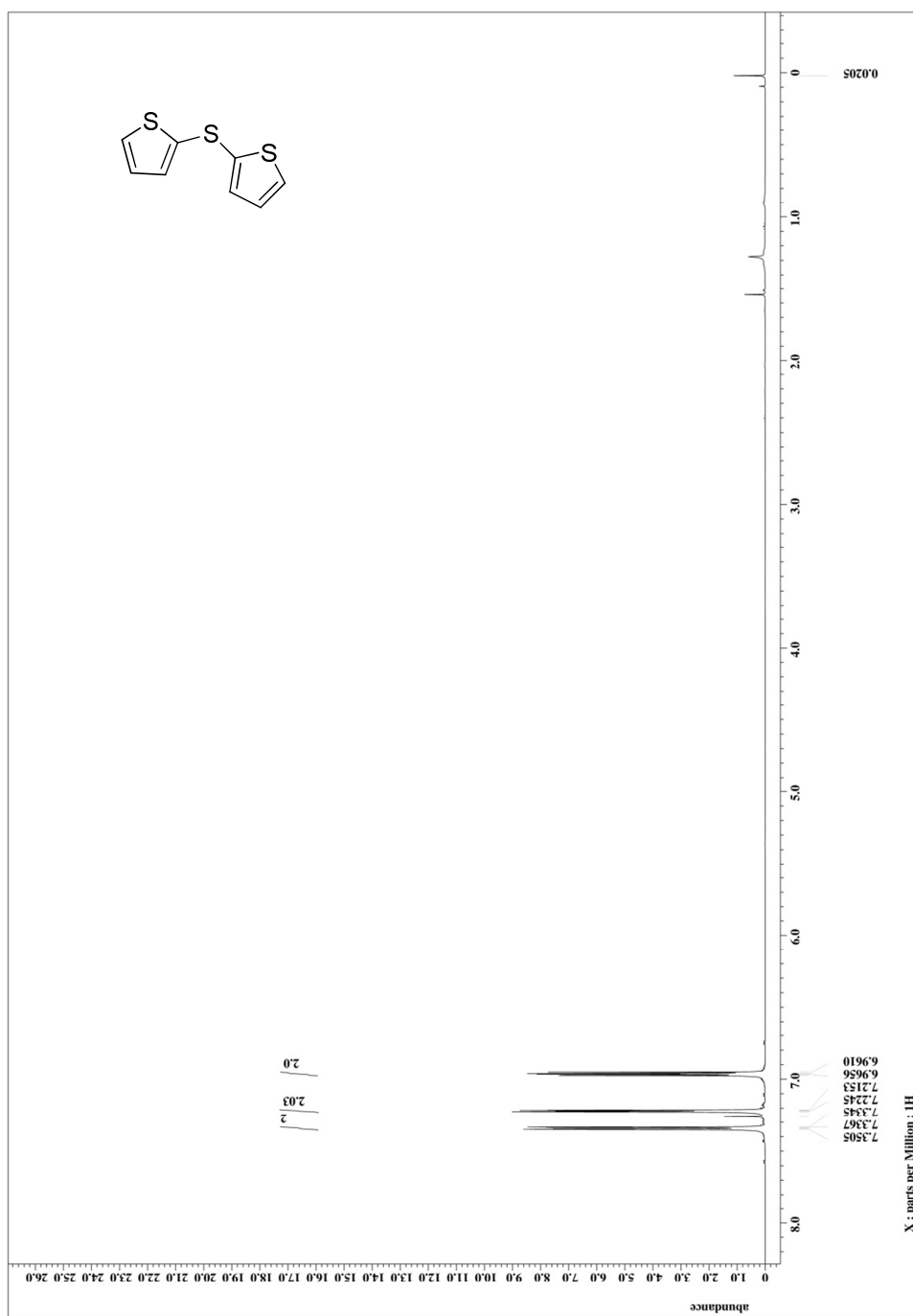
^{13}C NMR of Compound **2t**



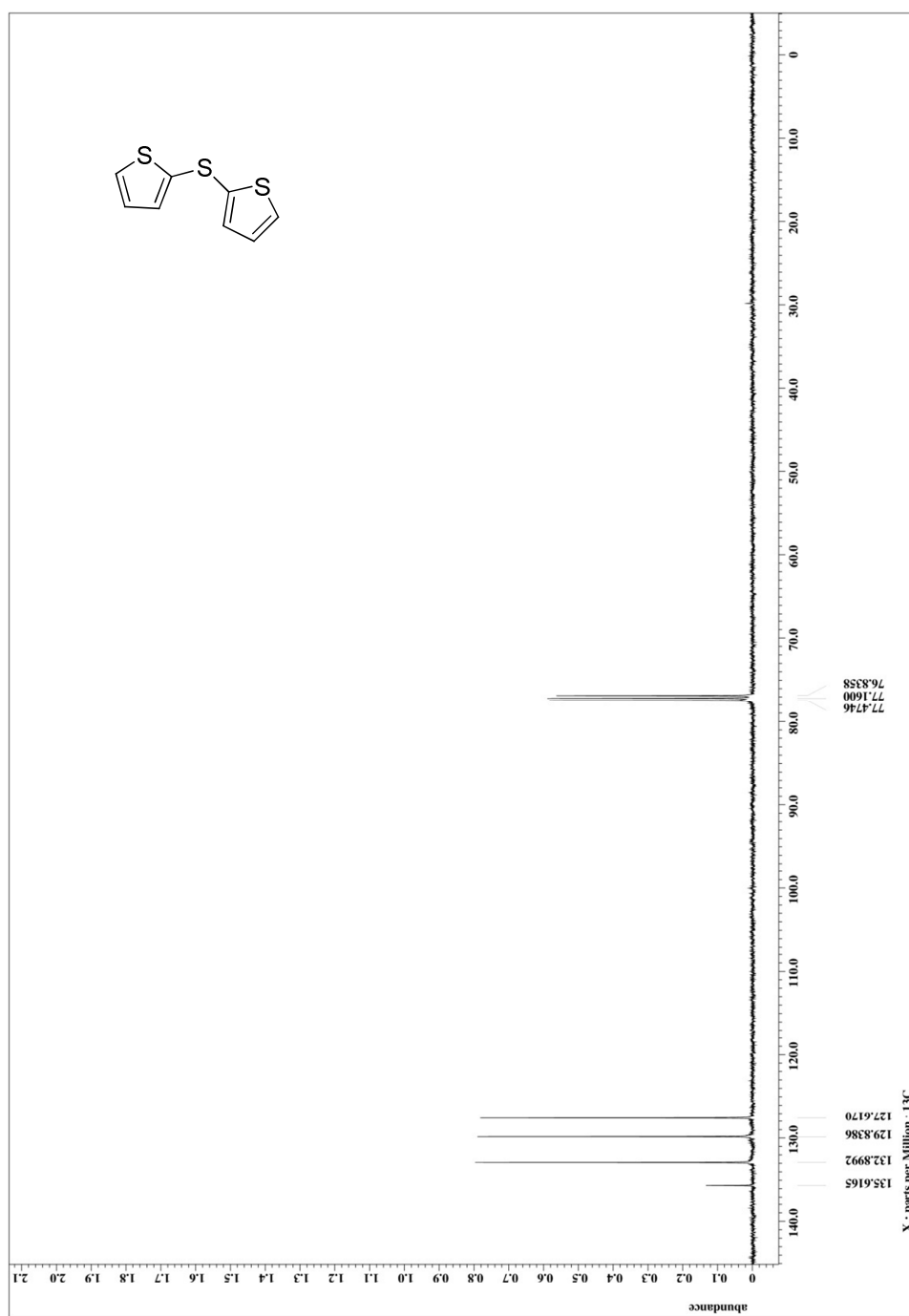
¹H NMR of Compound **2u**



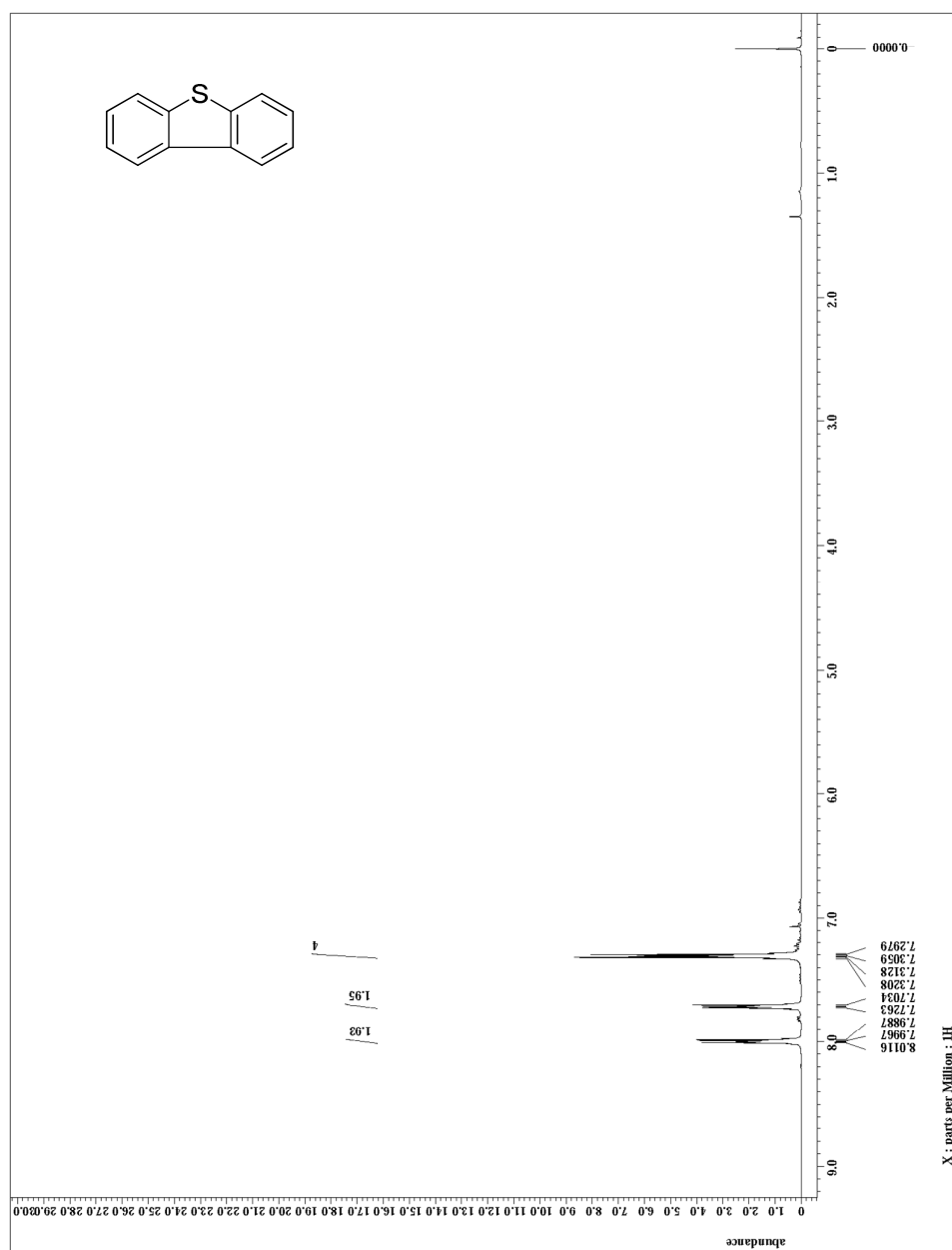
^{13}C NMR of Compound **2u**



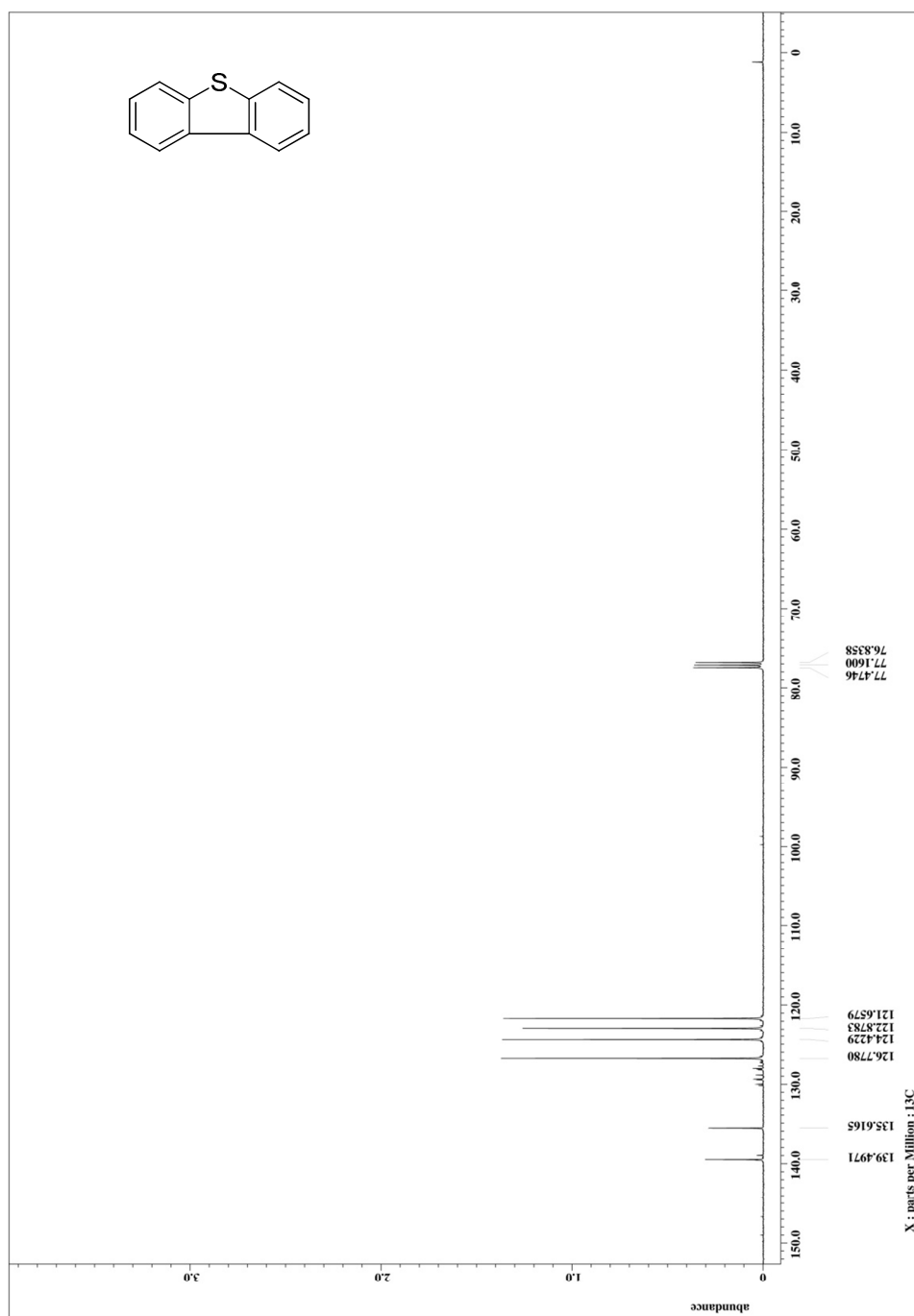
^1H NMR of Compound **2v**



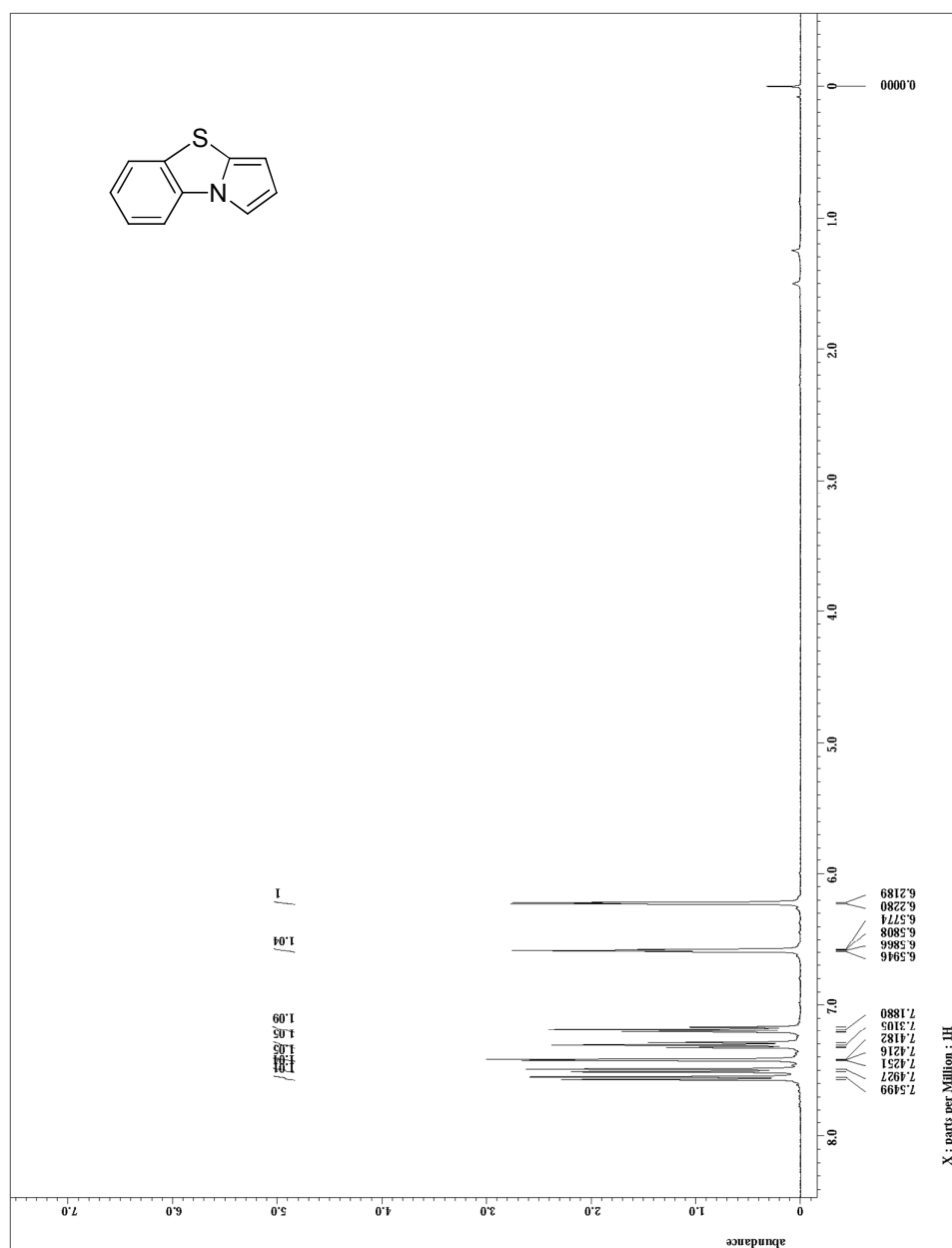
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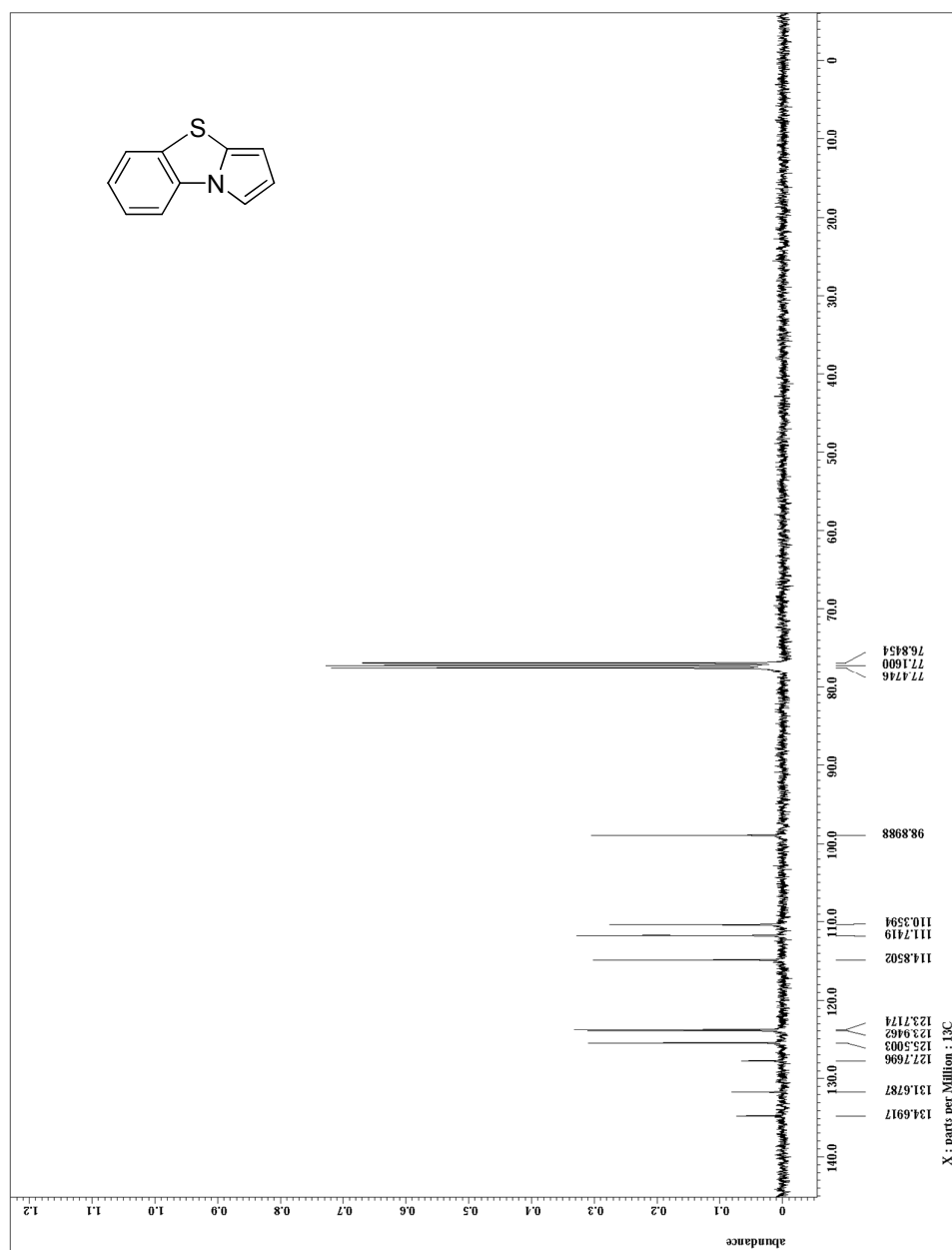
^1H NMR of Compound **4a**



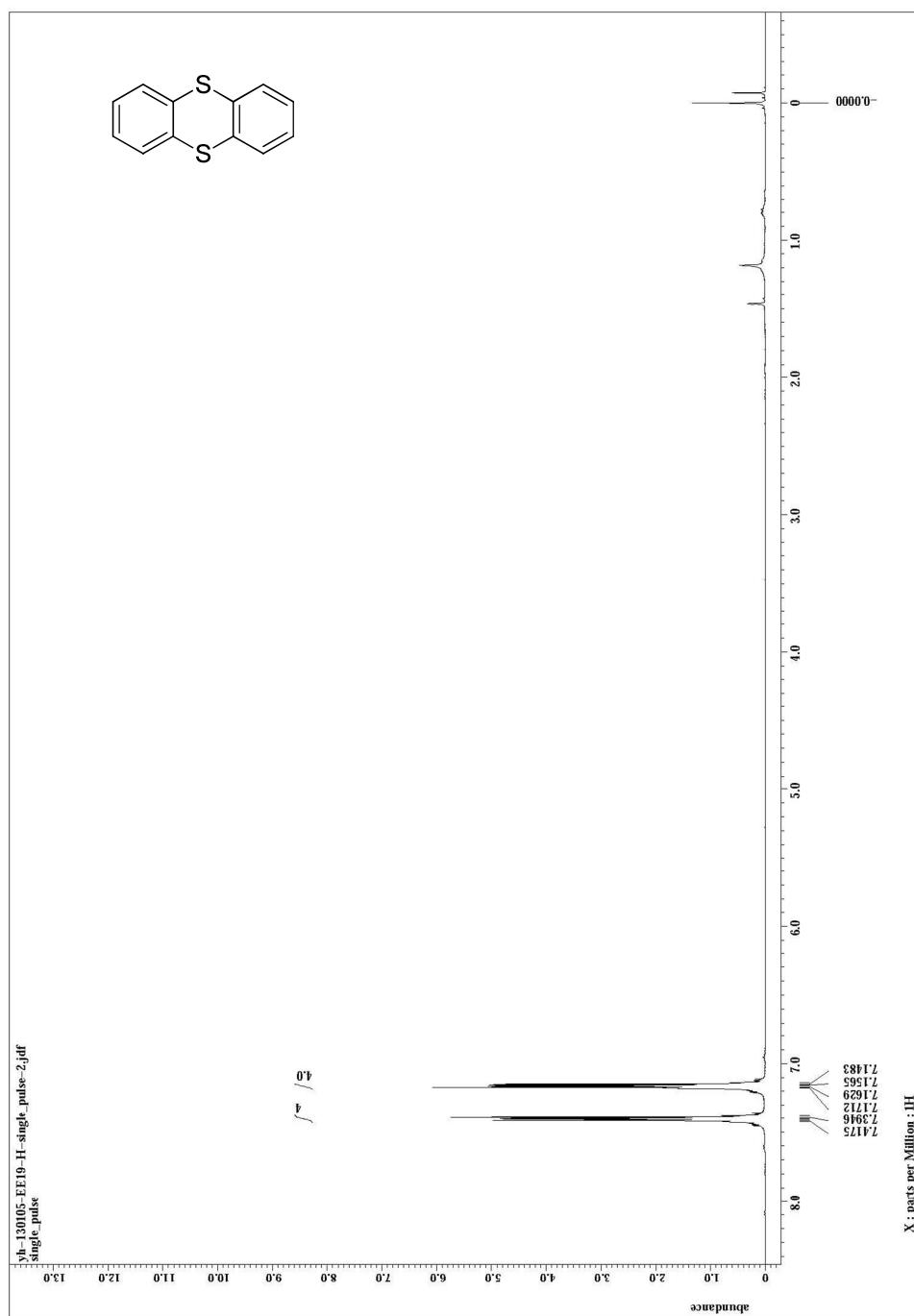
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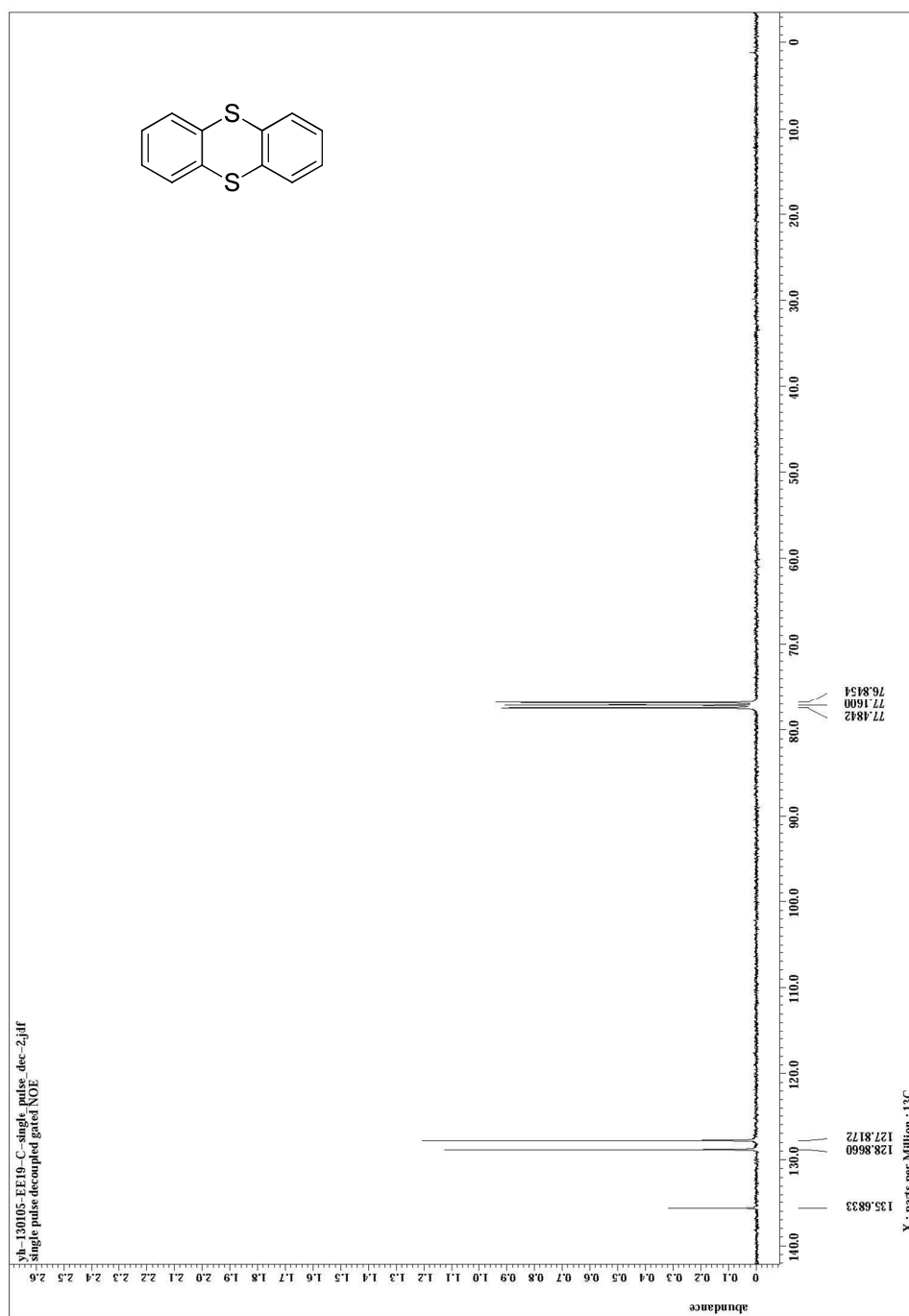
^1H NMR of Compound **4b**



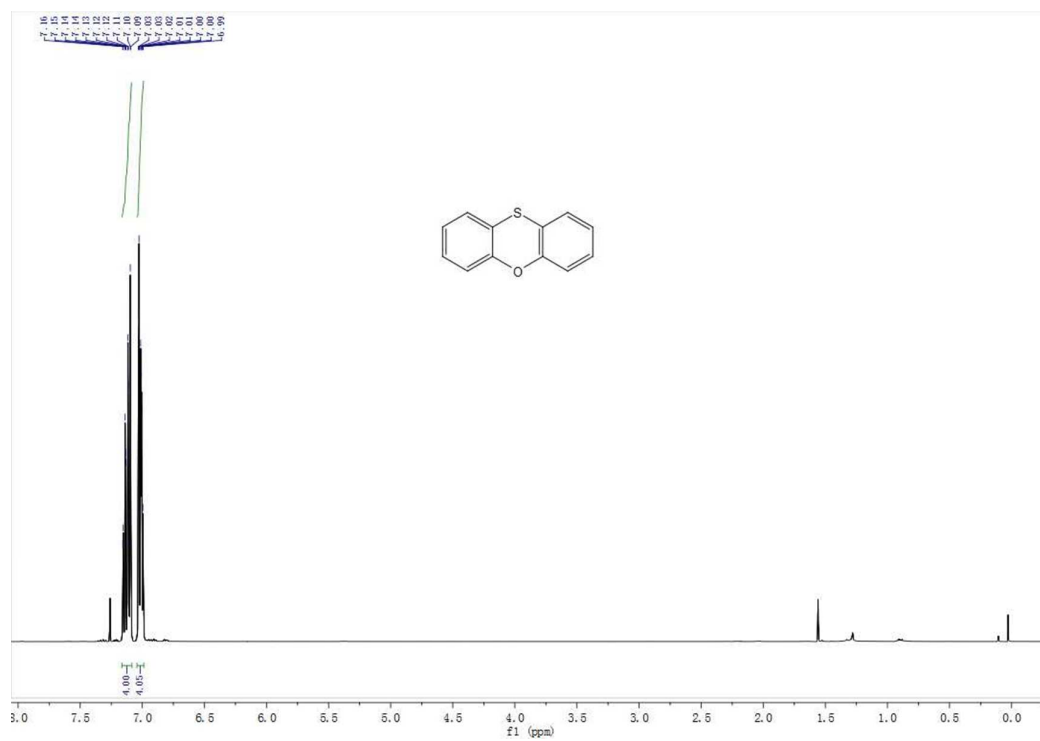
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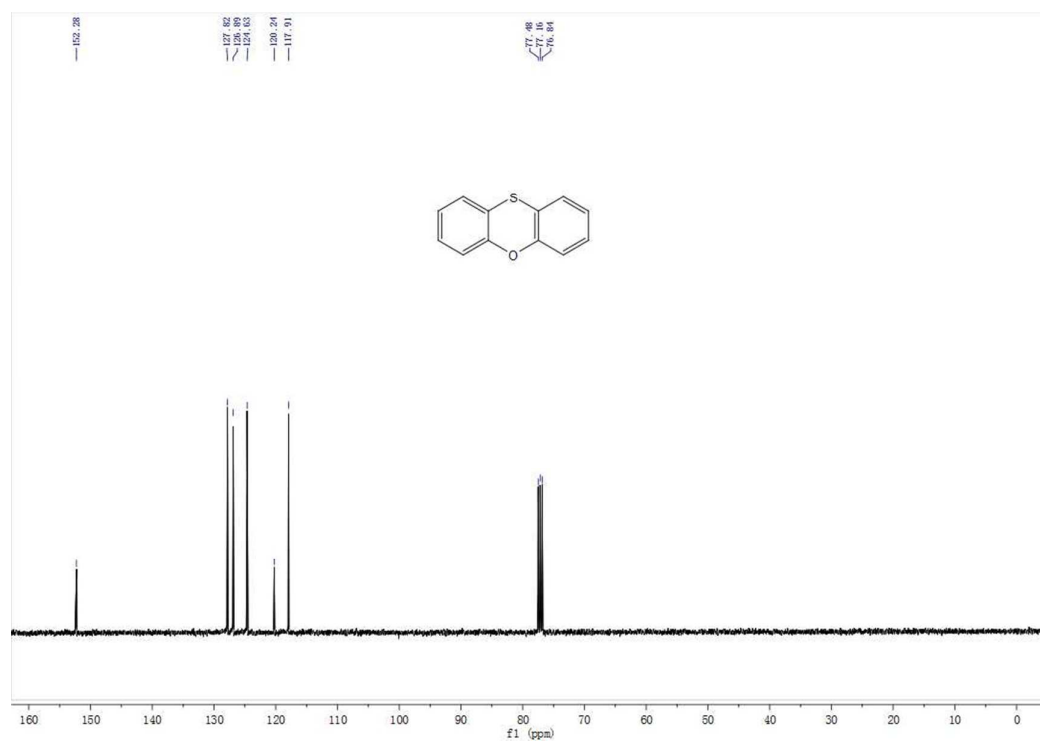
¹H NMR of Compound 4c



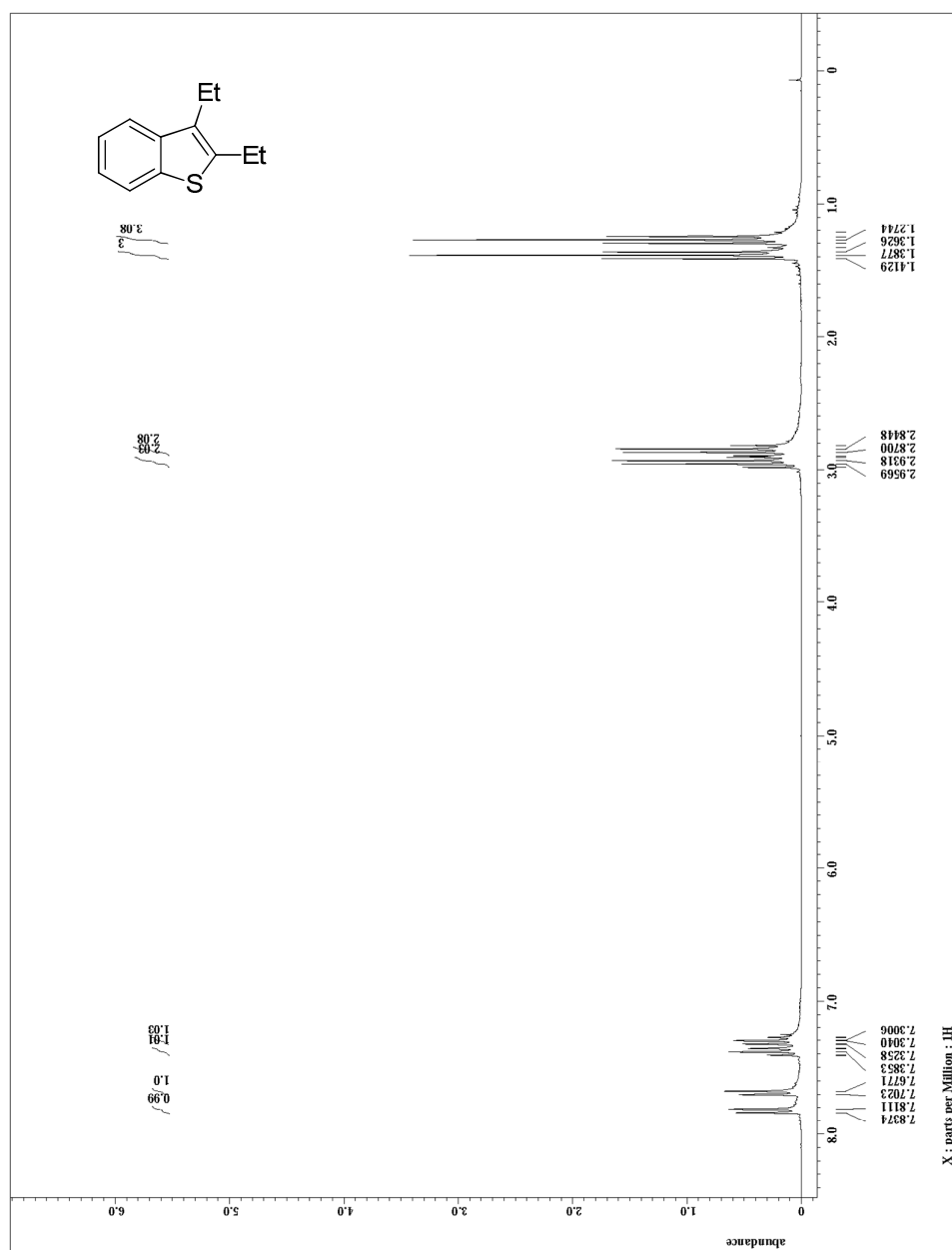
^{13}C NMR of Compound **4c**



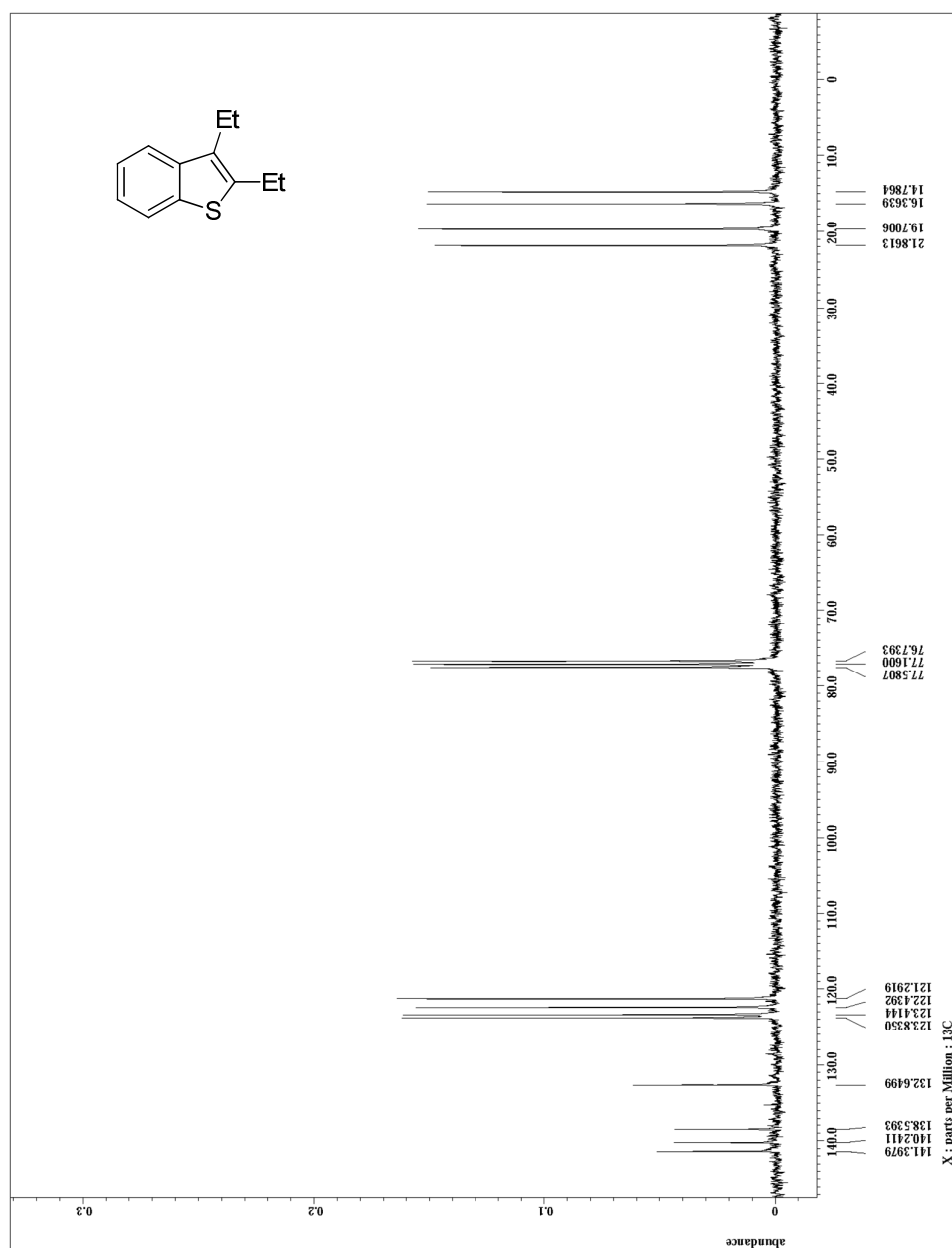
¹H NMR of Compound **4d**



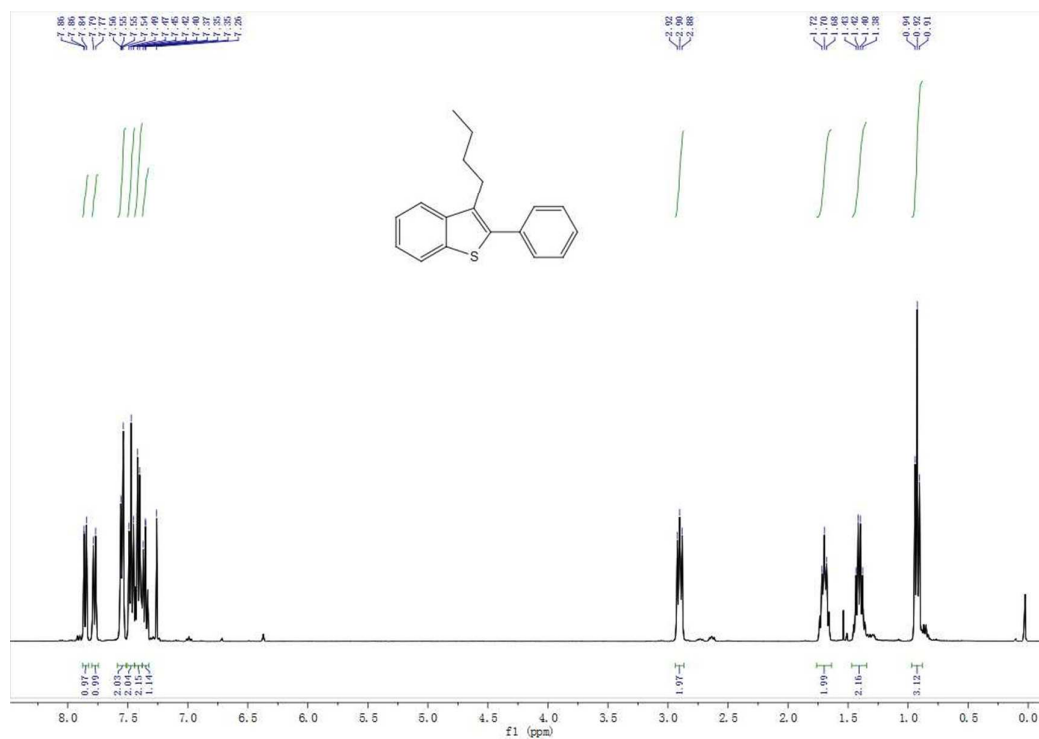
¹³C NMR of Compound **4d**



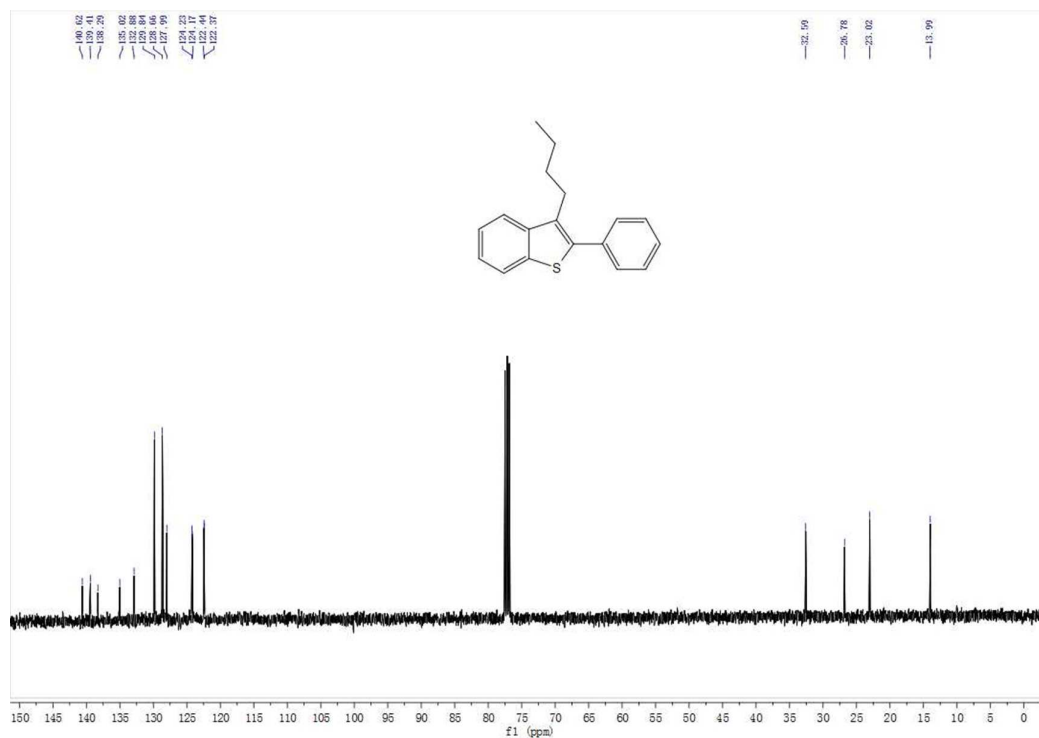
¹H NMR of Compound **4e**



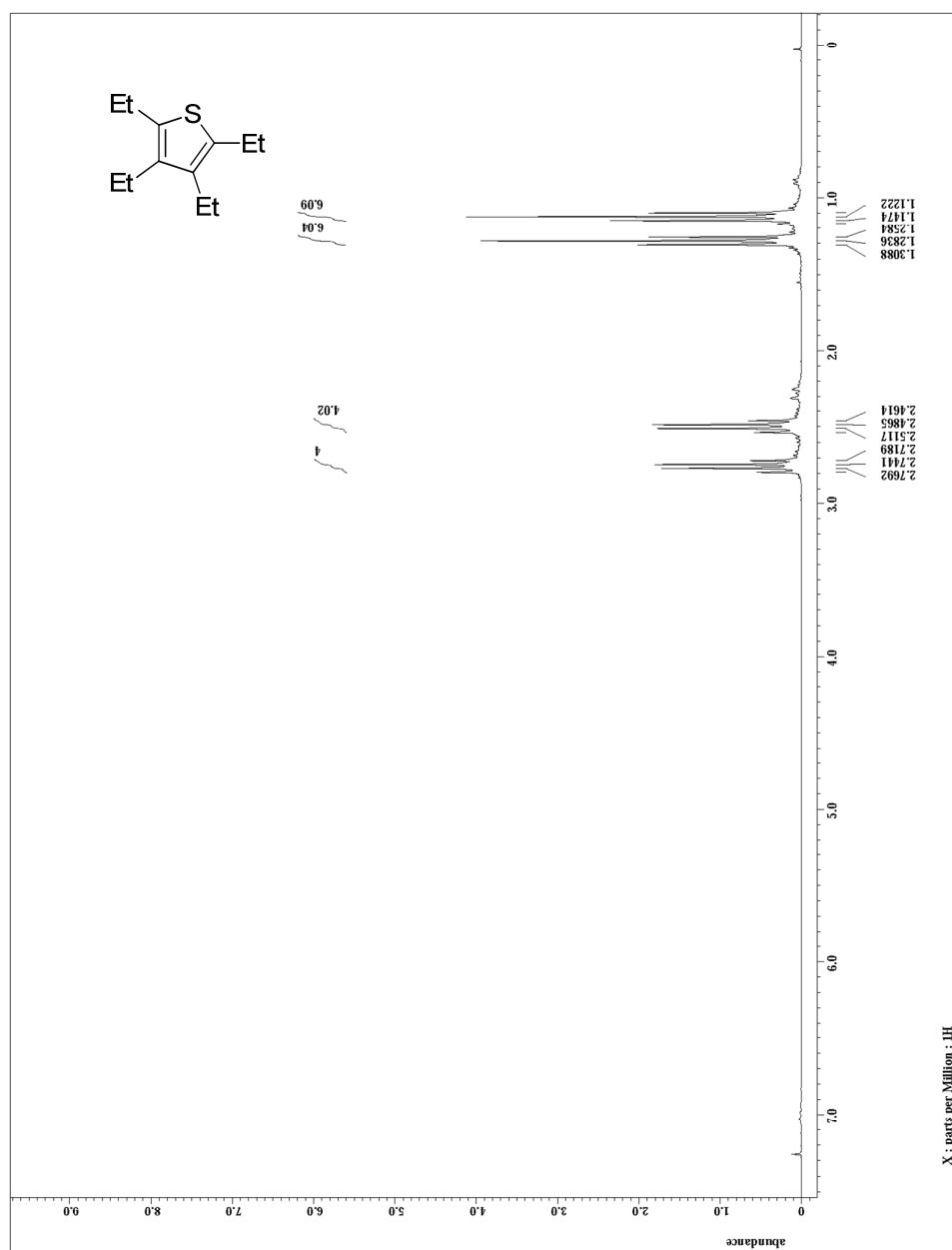
^{13}C NMR of Compound **4e**



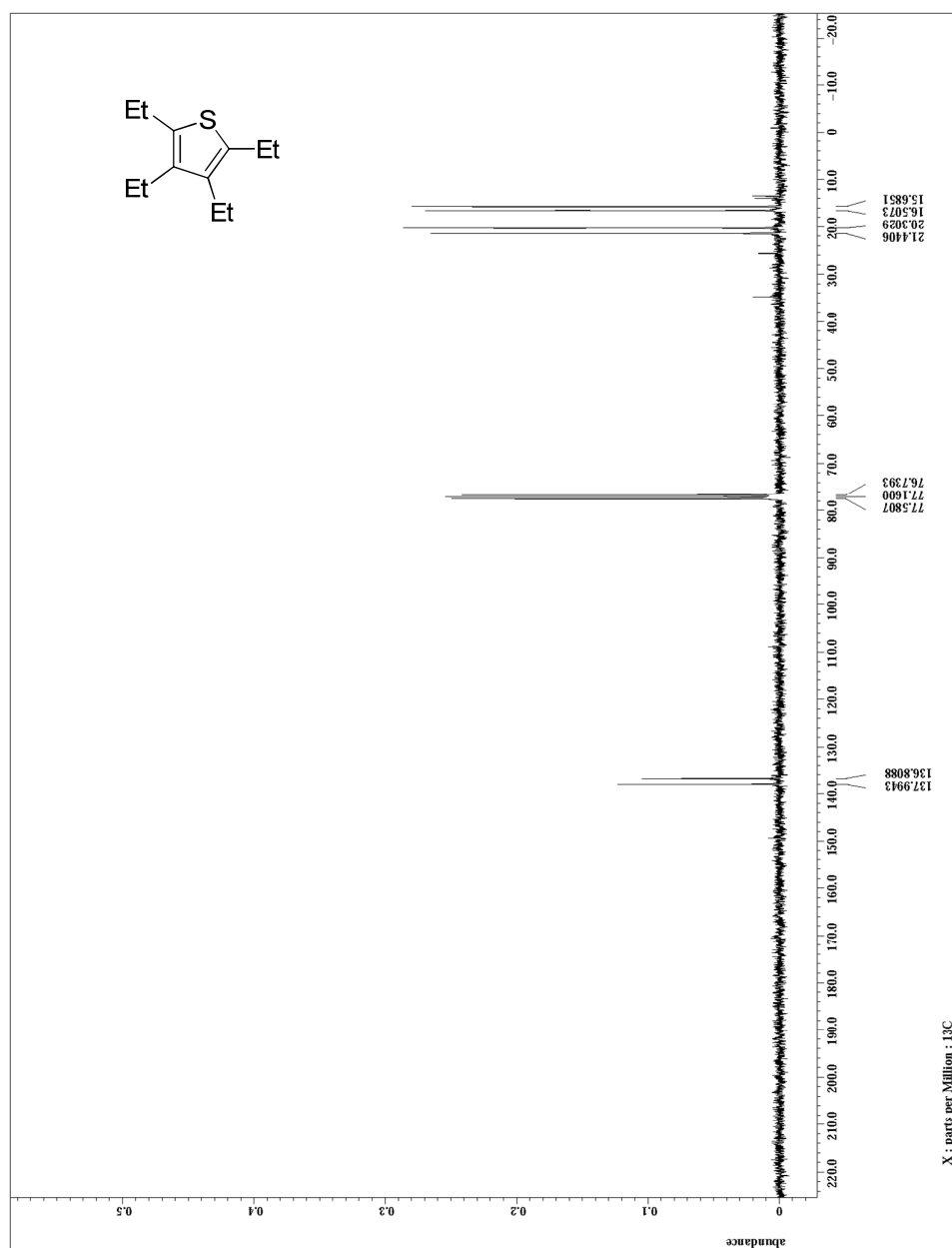
¹H NMR of Compound 4f



¹³C NMR of Compound 4f



¹H NMR of Compound **4g**



^{13}C NMR of Compound **4g**

2. X-ray Crystal Structure of 2d

