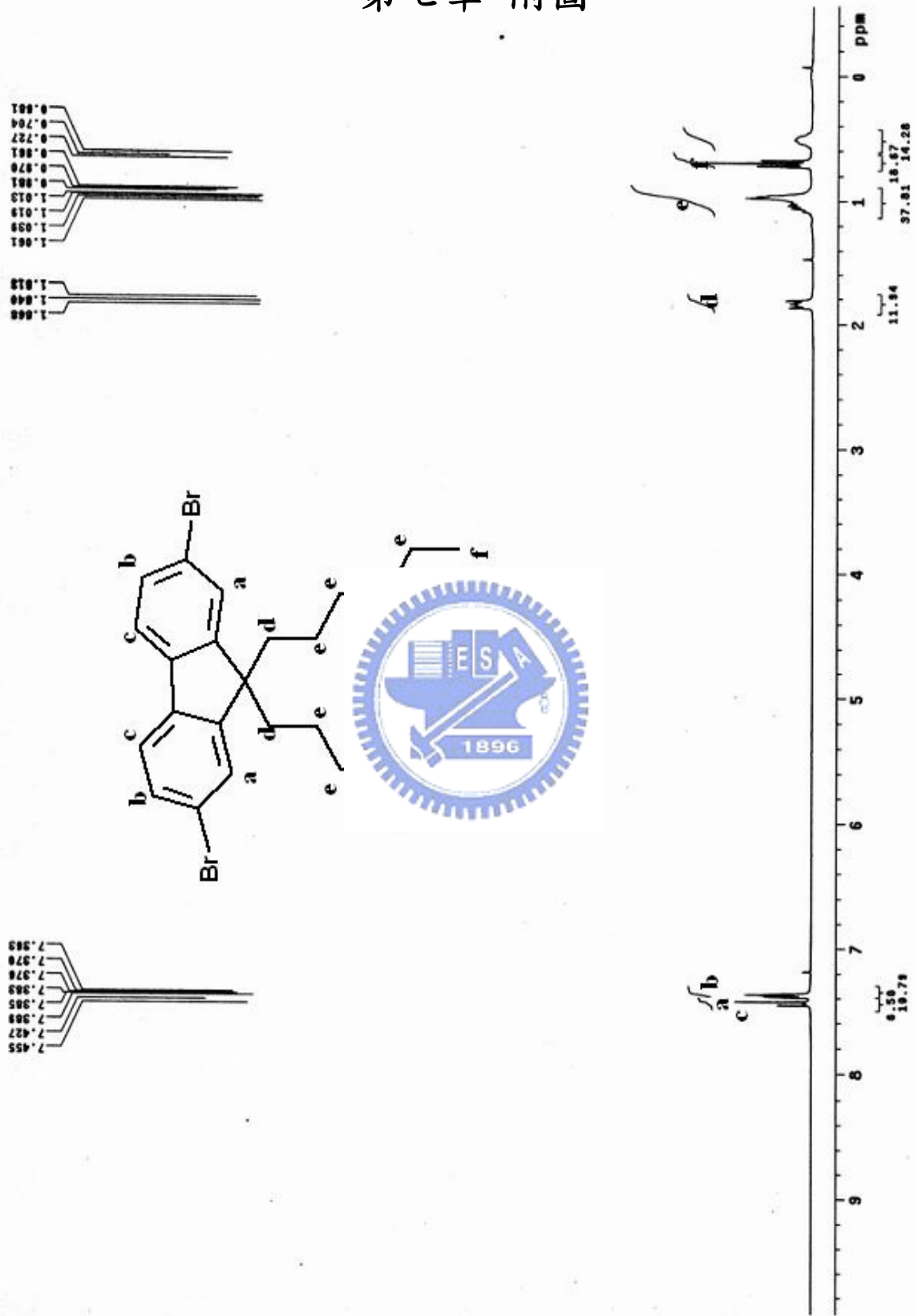
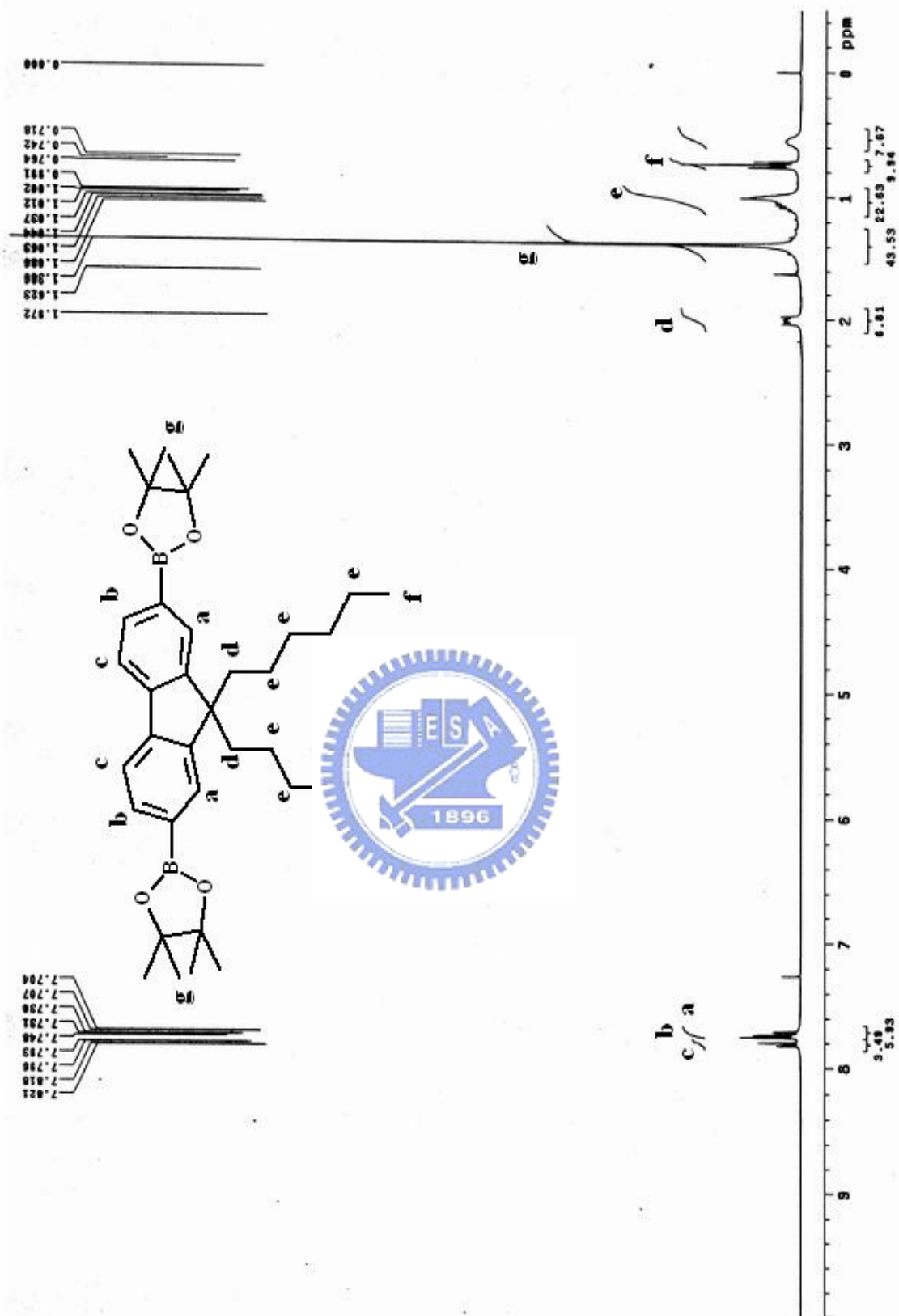


# 第七章 附圖



附圖. 1  $^1\text{H-NMR}$  spectrum of M1



附圖. 2  $^1\text{H-NMR}$  spectrum of M2

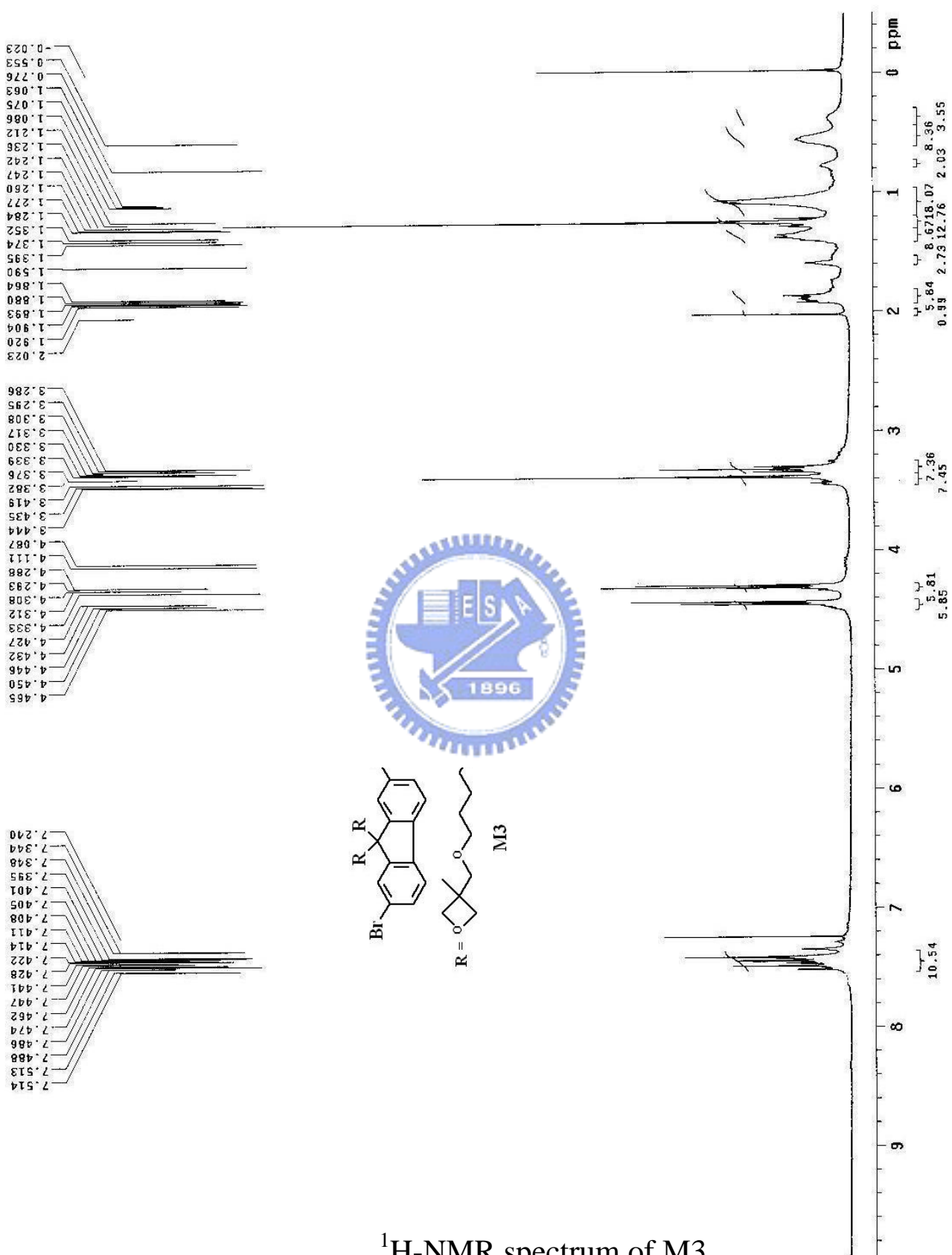
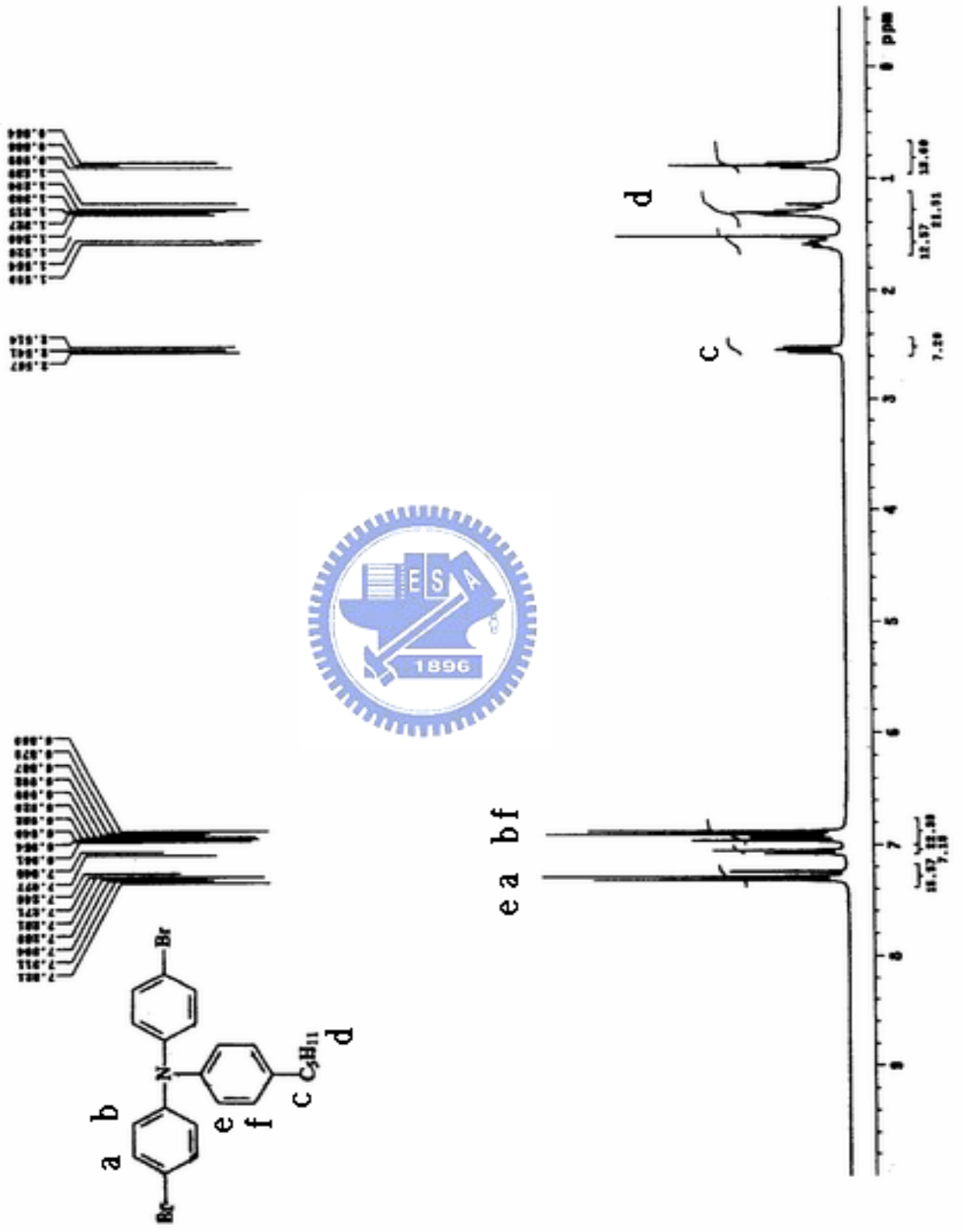
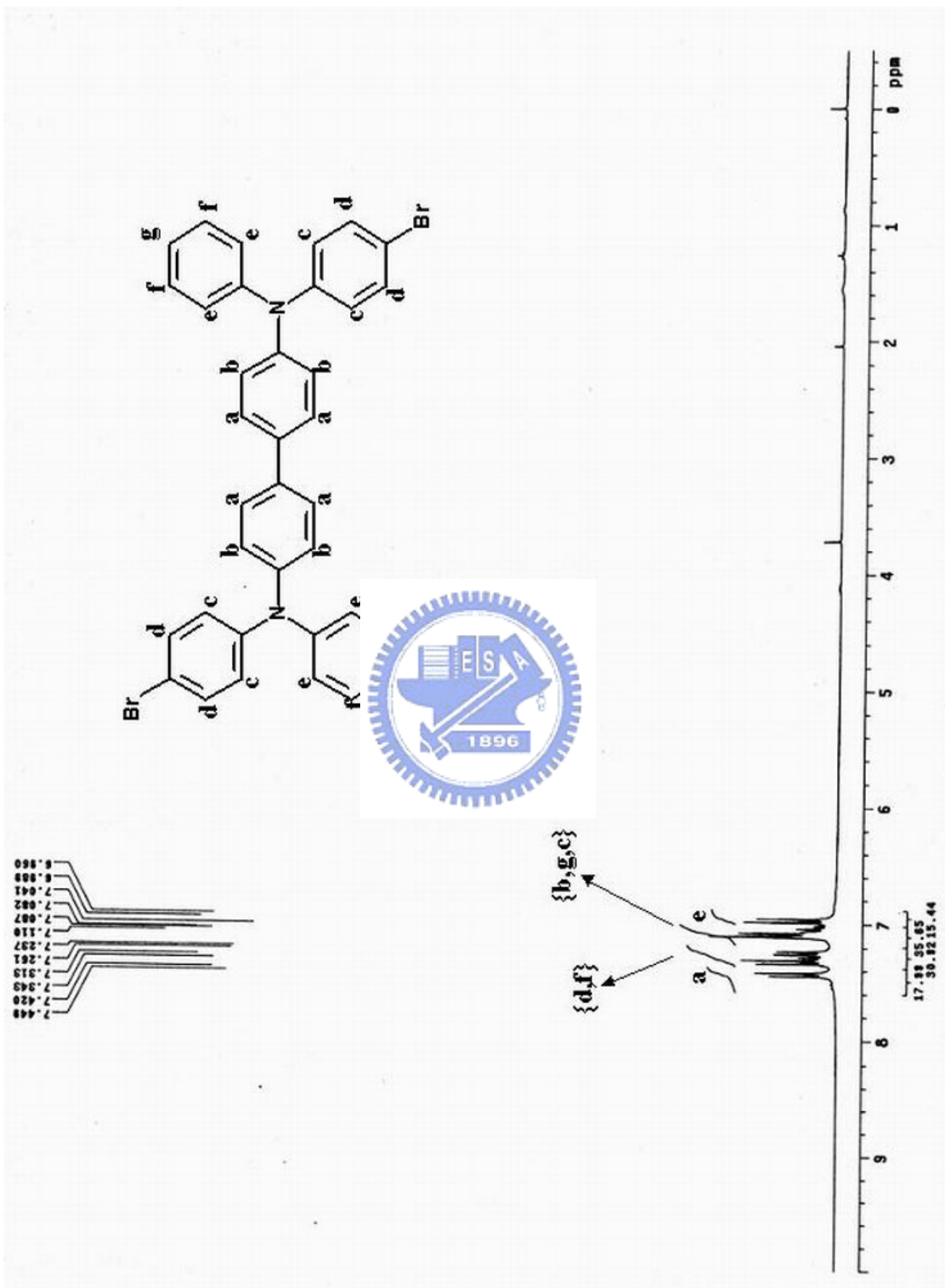


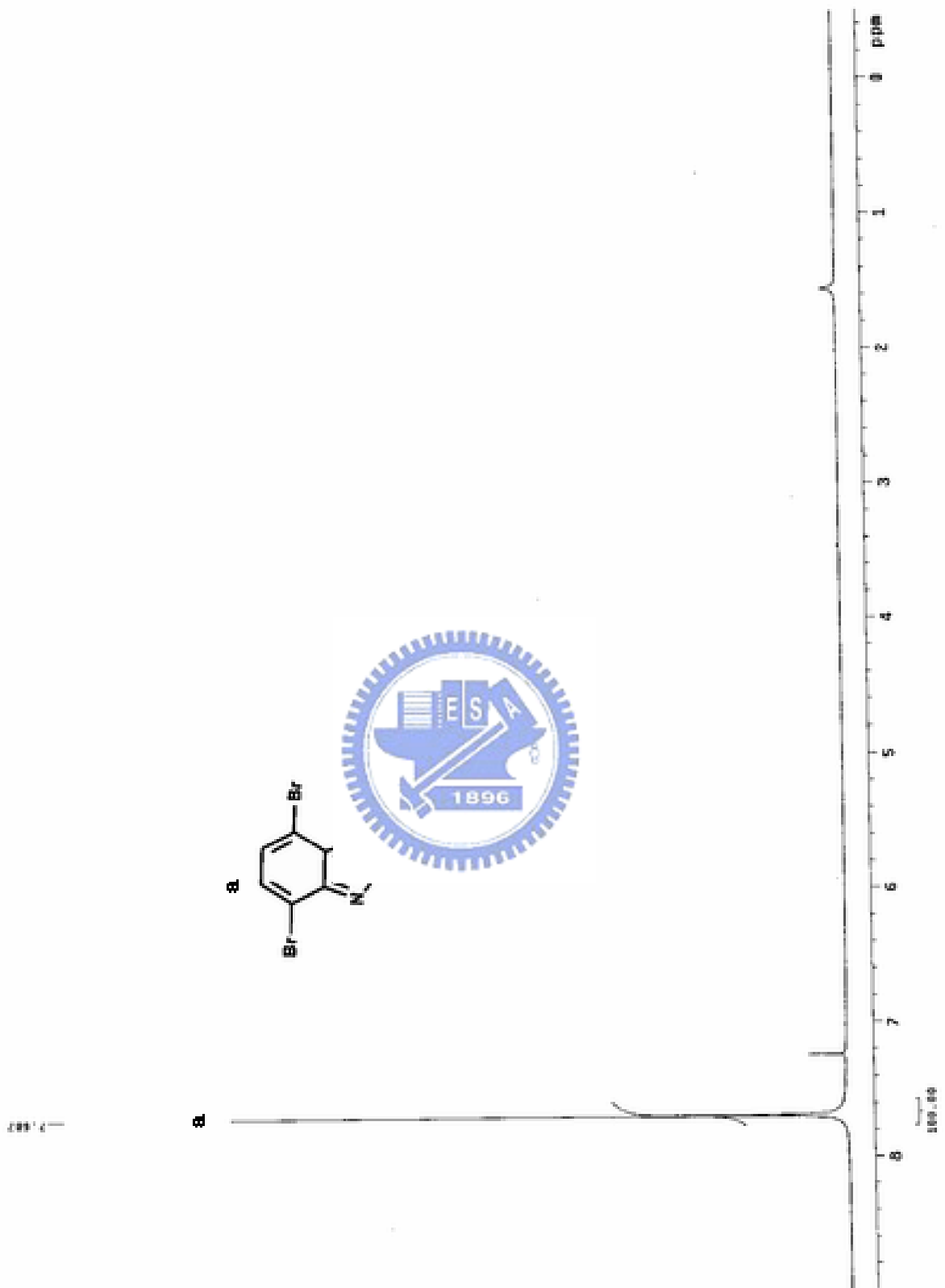
Figure 2. <sup>1</sup>H-NMR spectrum of M3



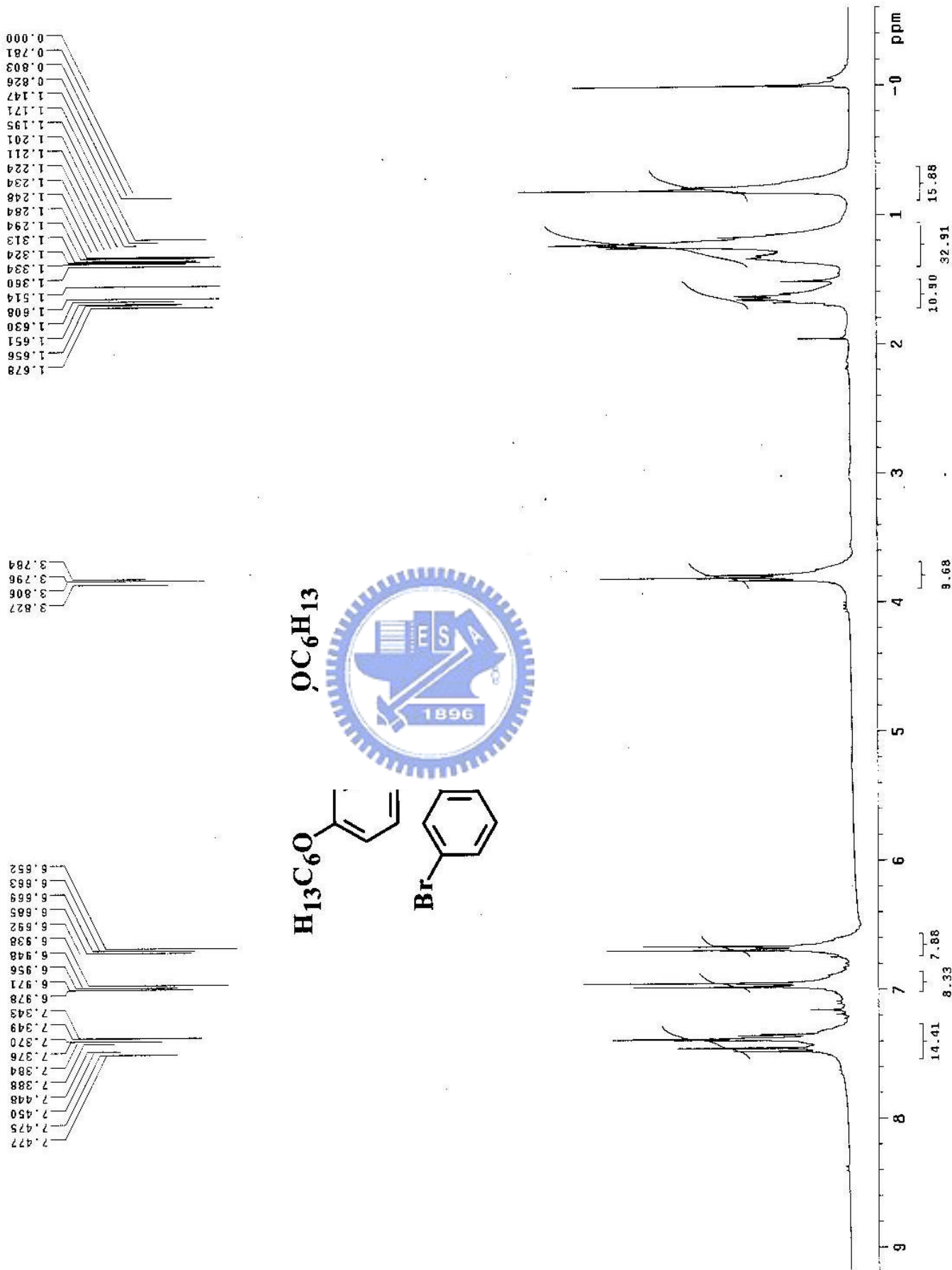
附圖.4  $^1\text{H-NMR}$  spectrum of M4



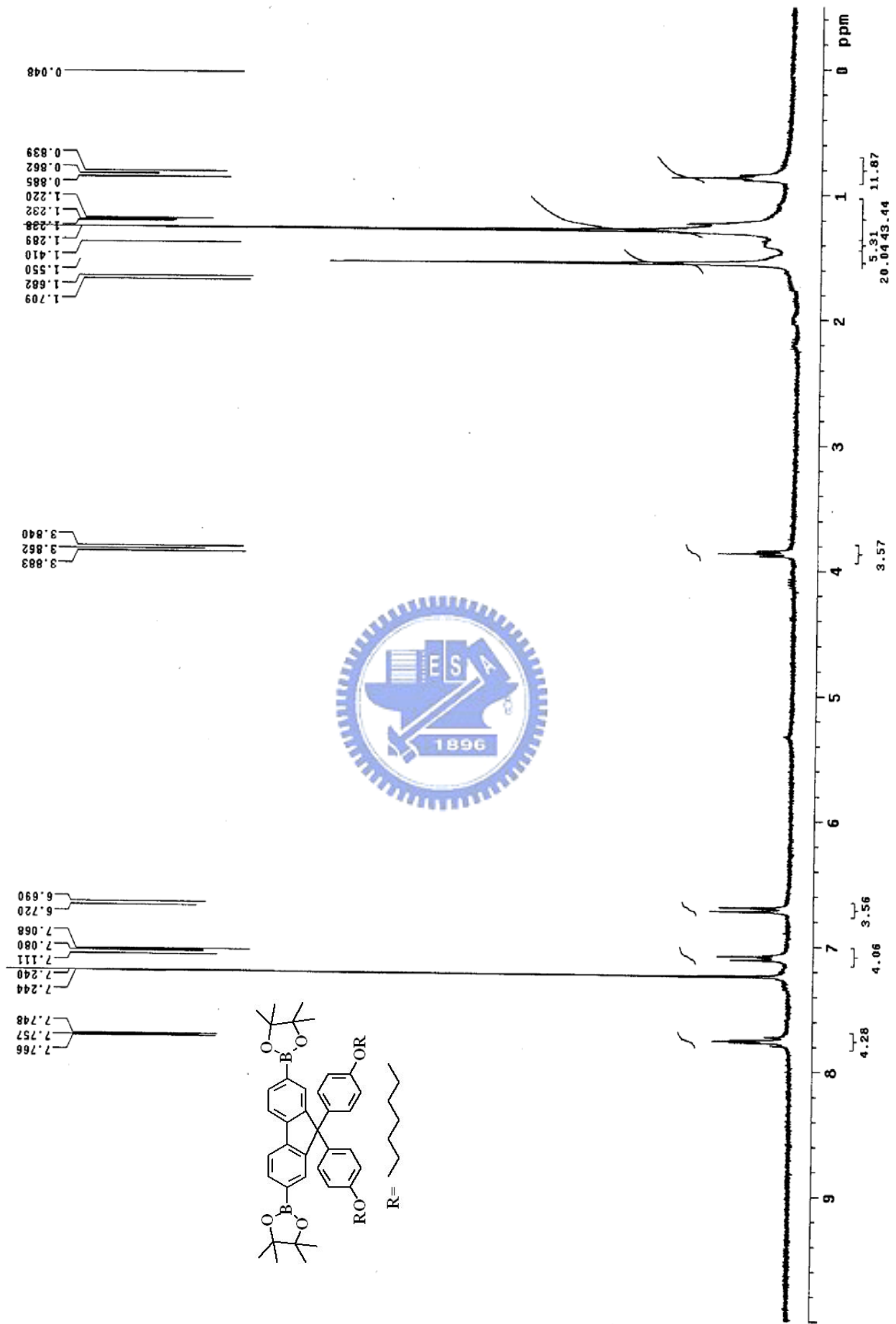
附圖. 5  $^1\text{H-NMR}$  spectrum of M5



附圖.6  $^1\text{H-NMR}$  spectrum of M6

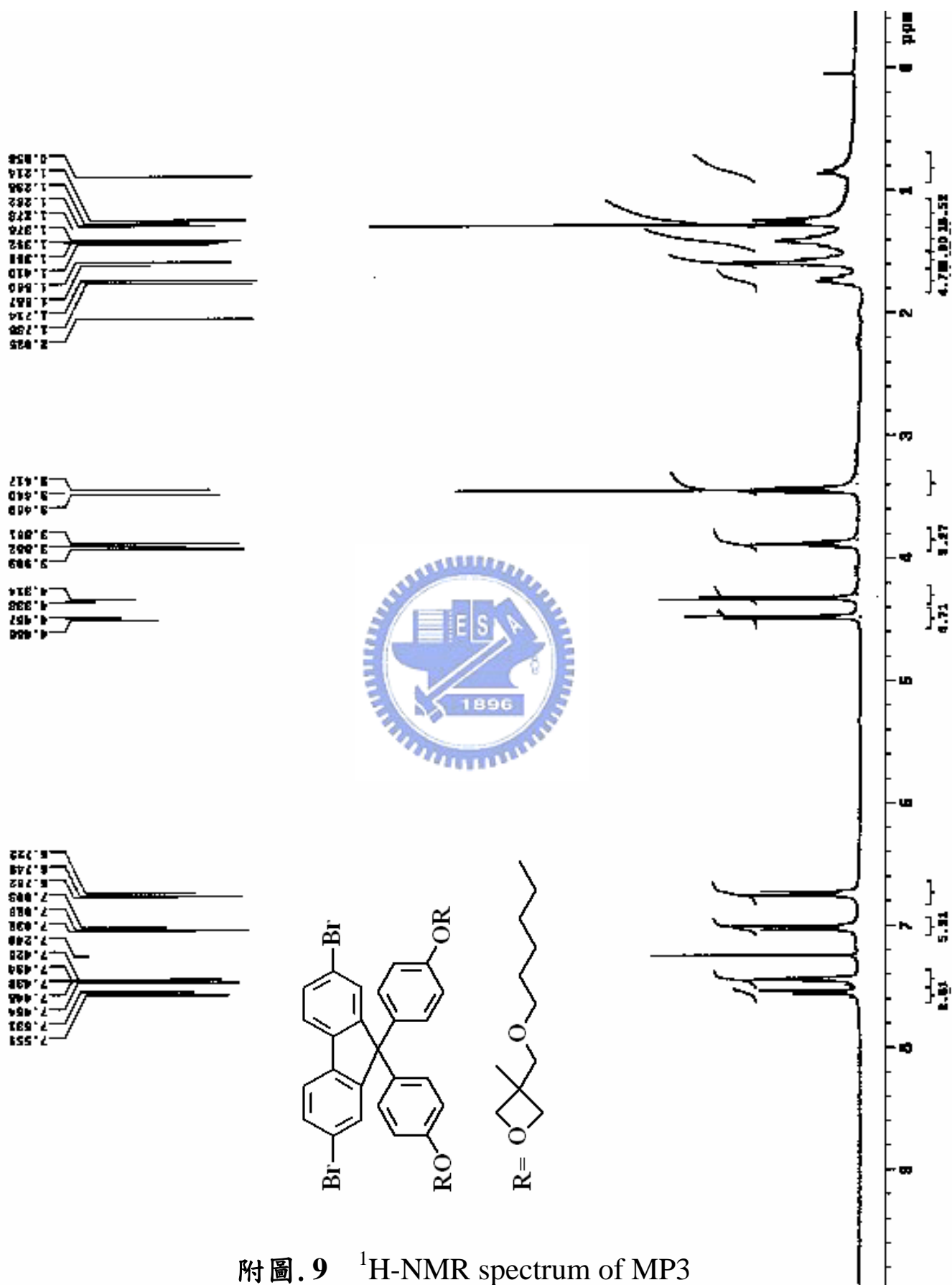


附圖. 7  $^1\text{H-NMR}$  spectrum of MP1

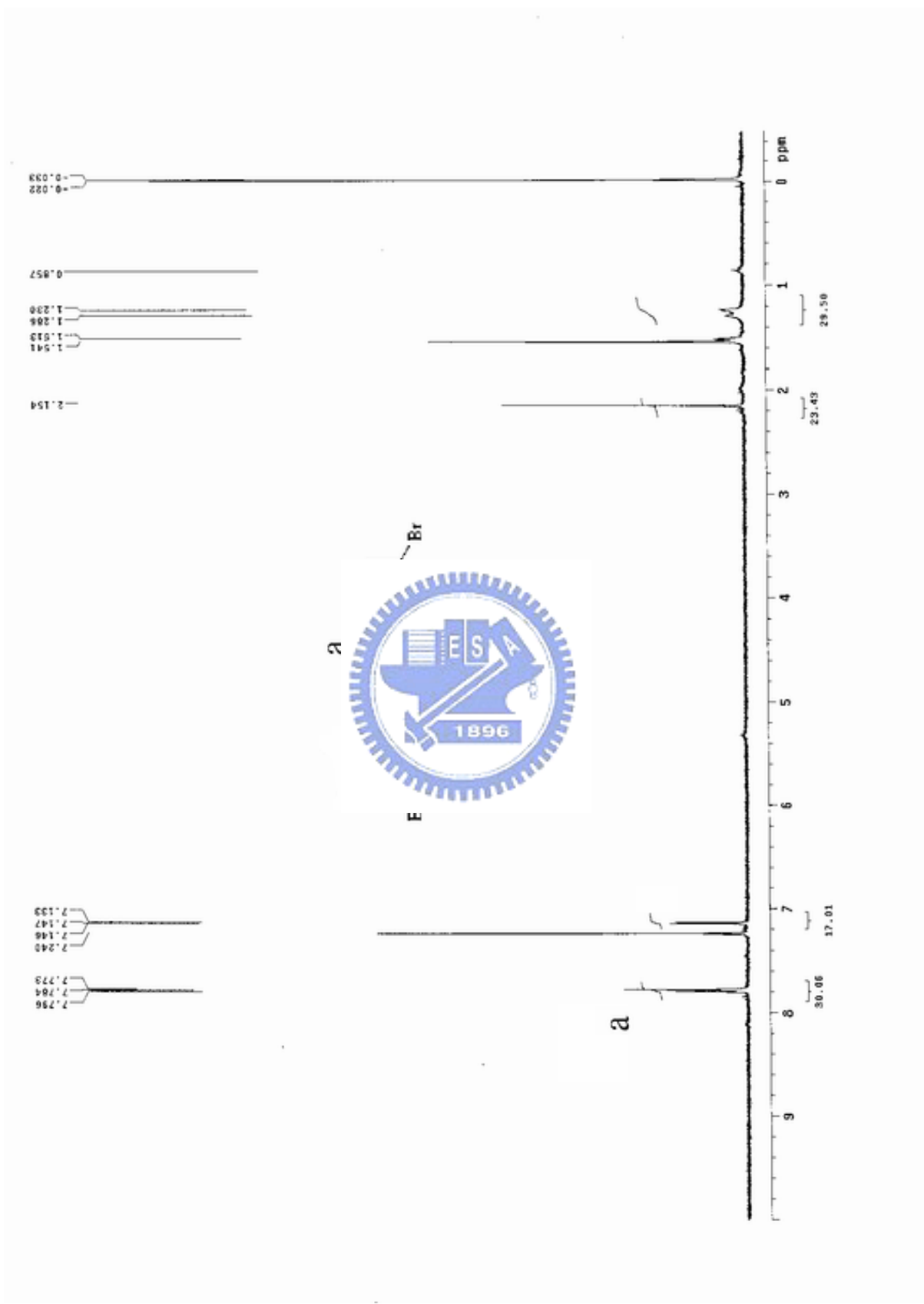


附圖. 8  $^1\text{H-NMR}$  spectrum of MP2

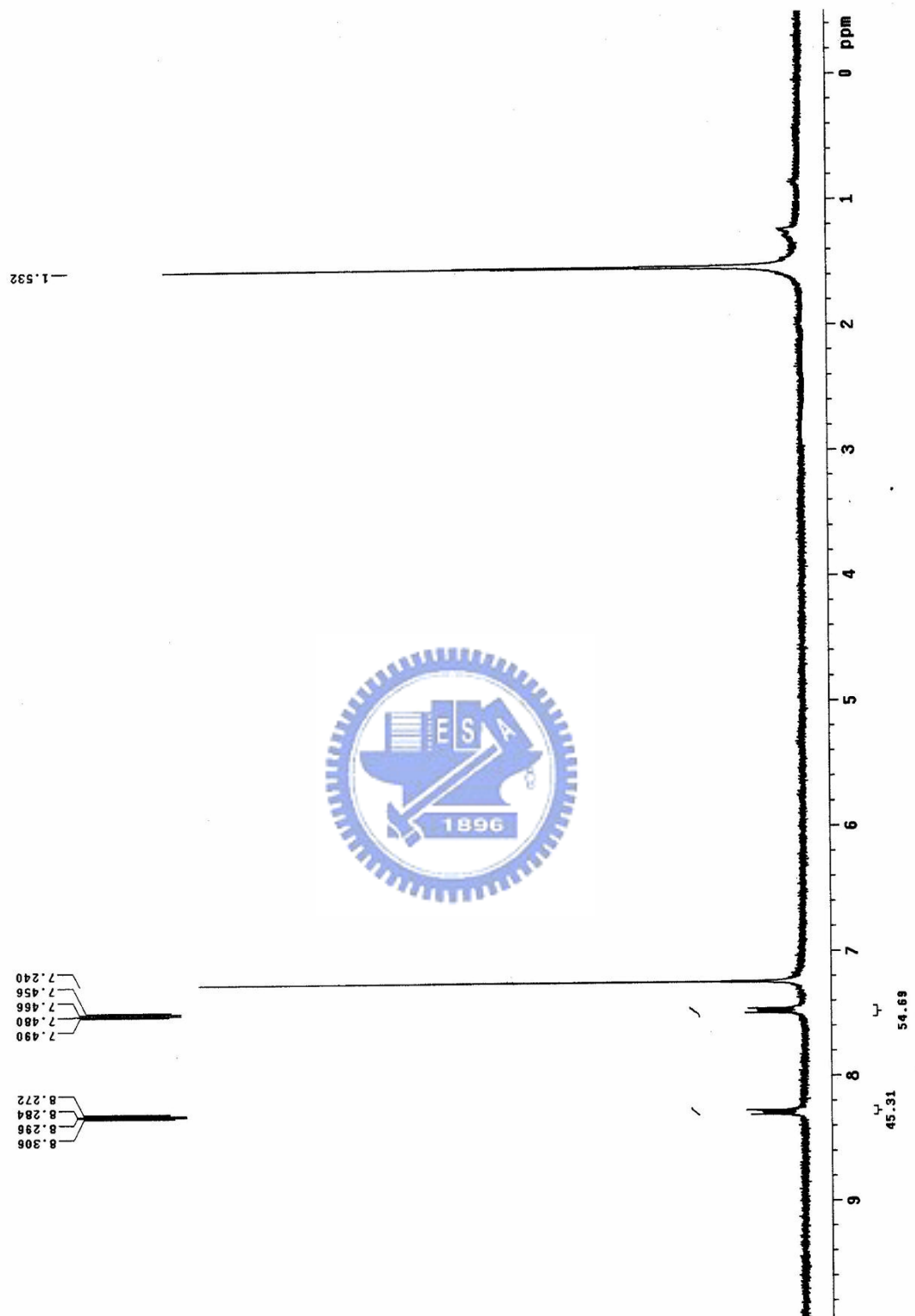




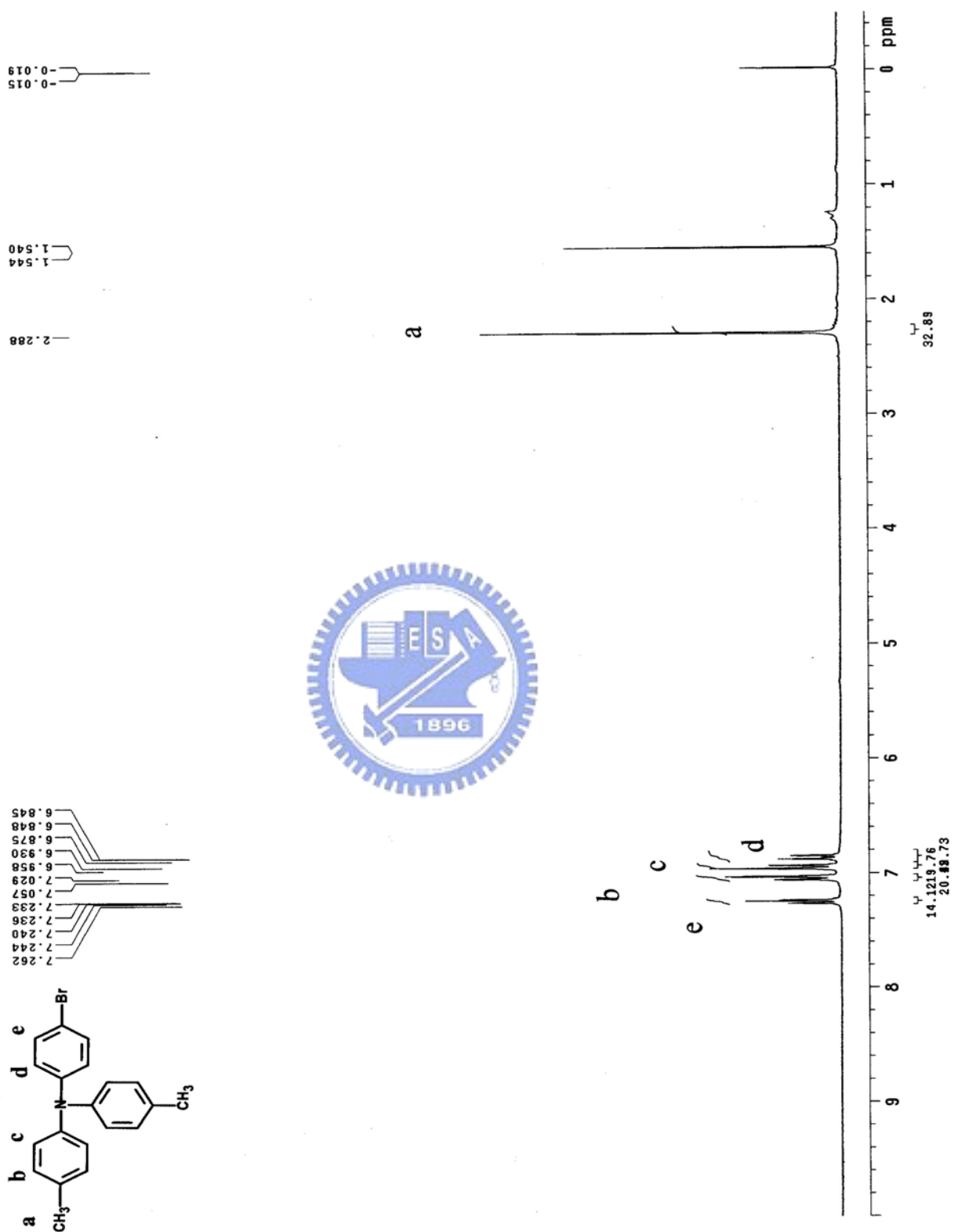
附圖. 9  $^1\text{H-NMR}$  spectrum of MP3



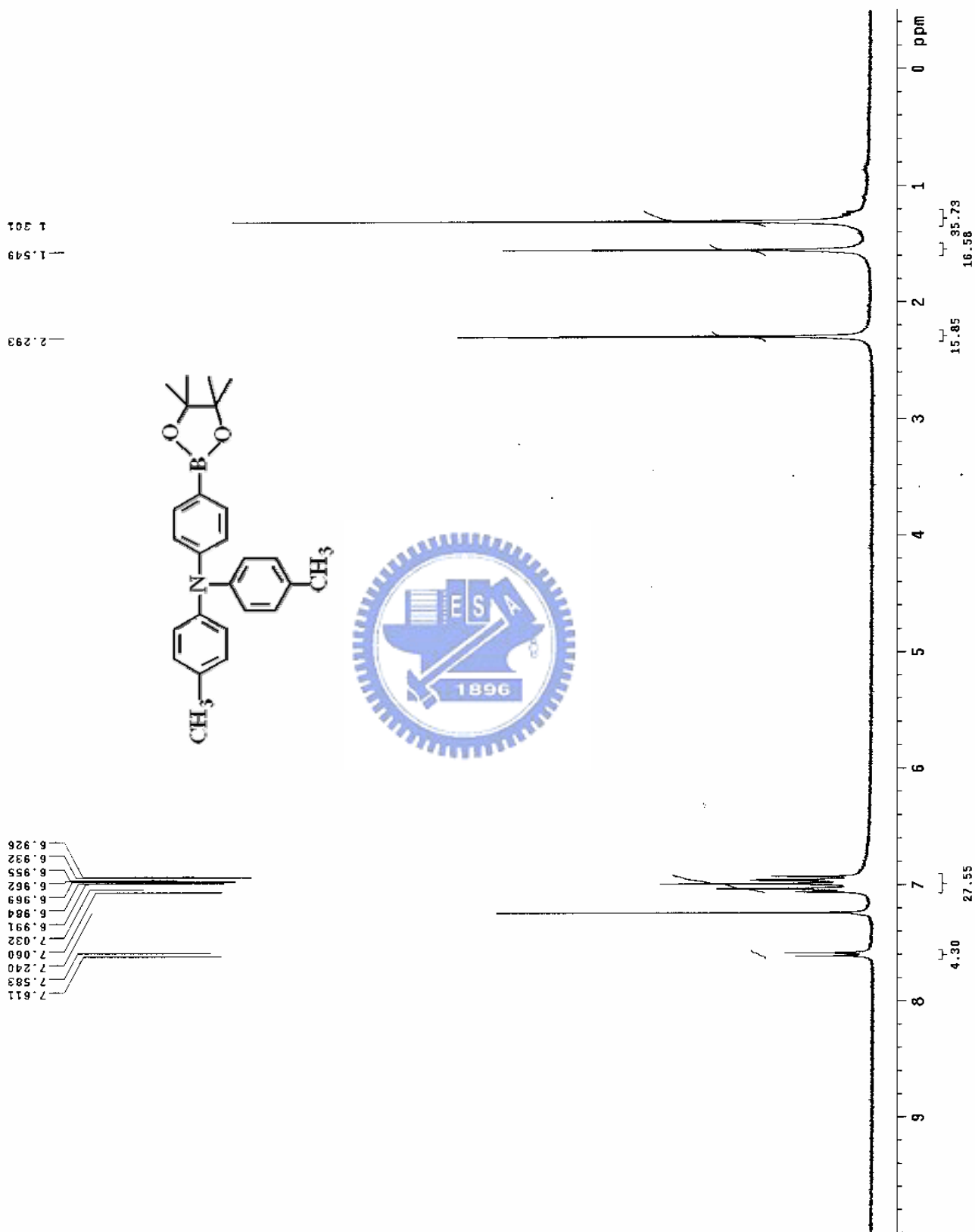
附圖. 10  $^1\text{H-NMR}$  spectrum of M7



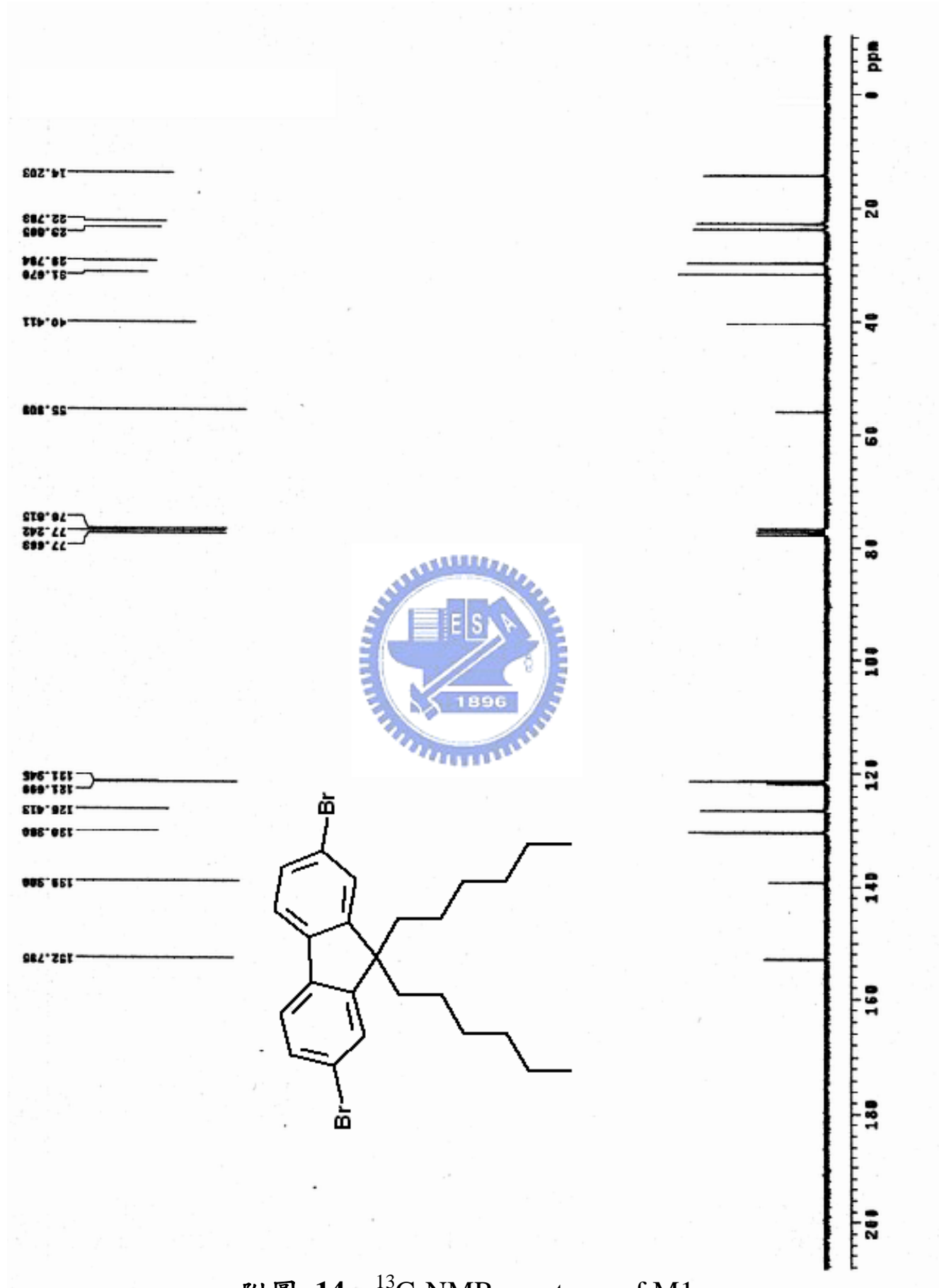
附圖. 11  $^1\text{H-NMR}$  spectrum of M8



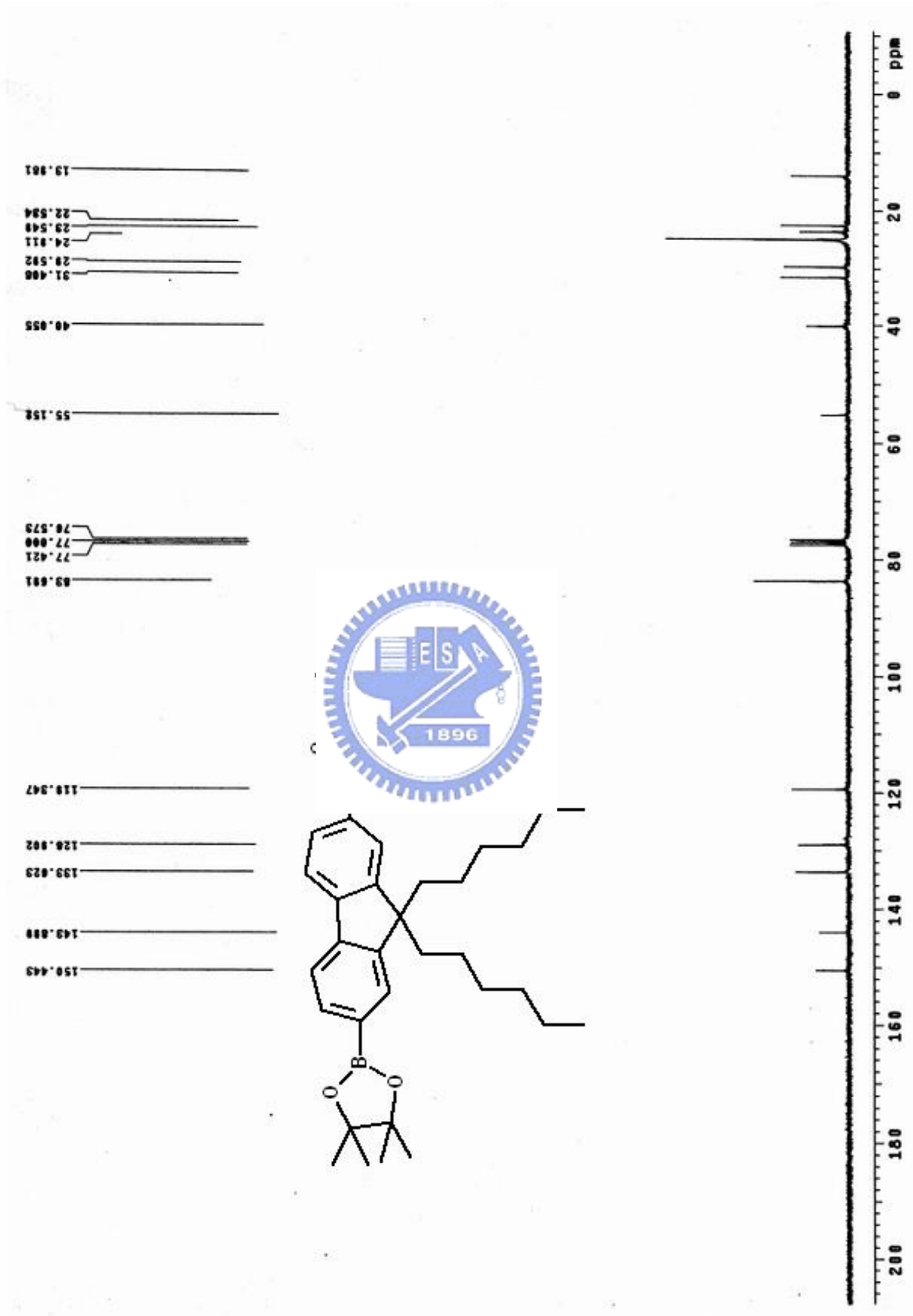
附圖. 12 <sup>1</sup>H-NMR spectrum of End Capping reagent 1



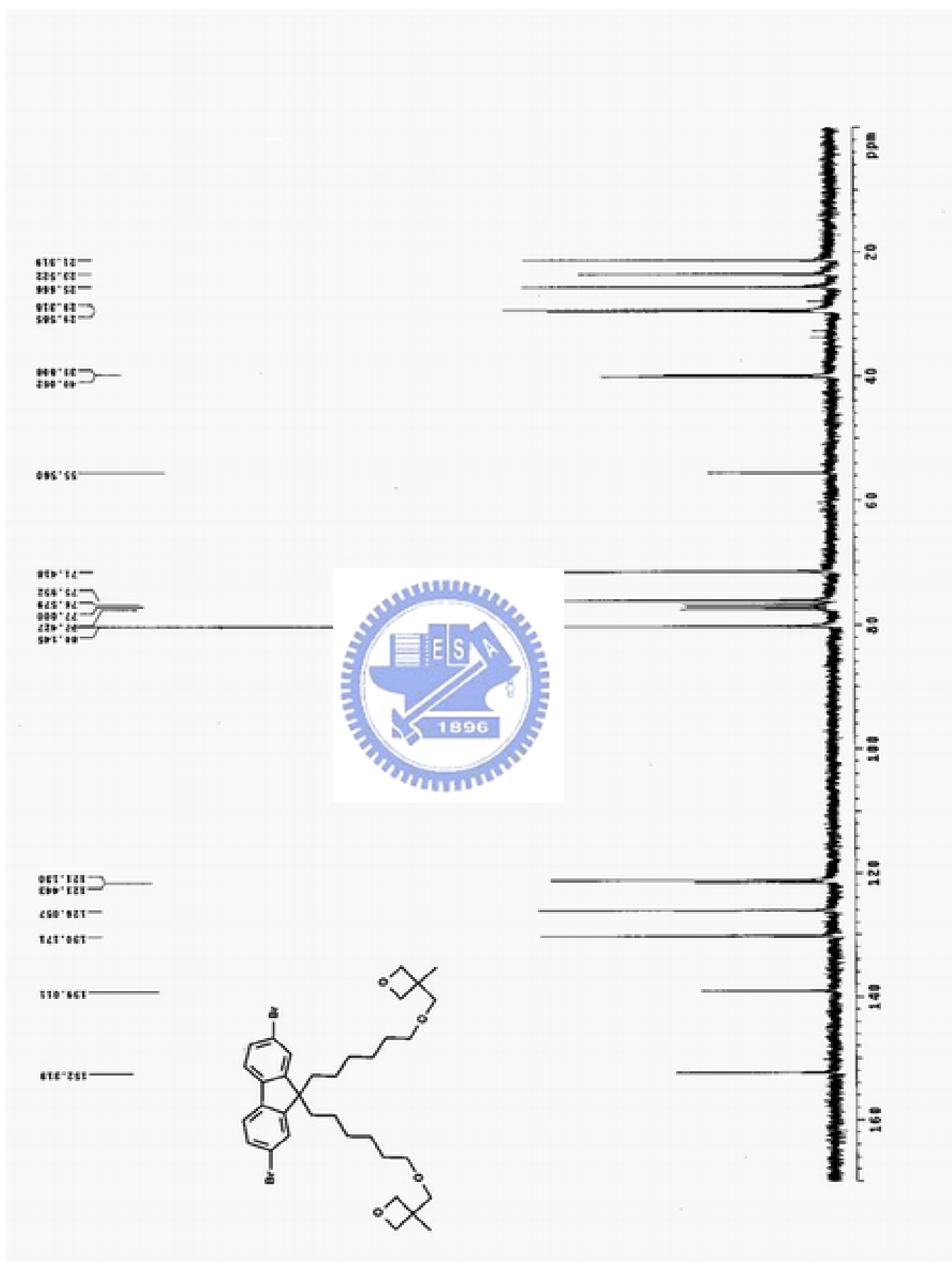
附圖. 13 <sup>1</sup>H-NMR spectrum of End Capping reagent 2



附圖. 14  $^{13}\text{C}$ -NMR spectrum of M1



附圖. 15  $^{13}\text{C}$ -NMR spectrum of M2

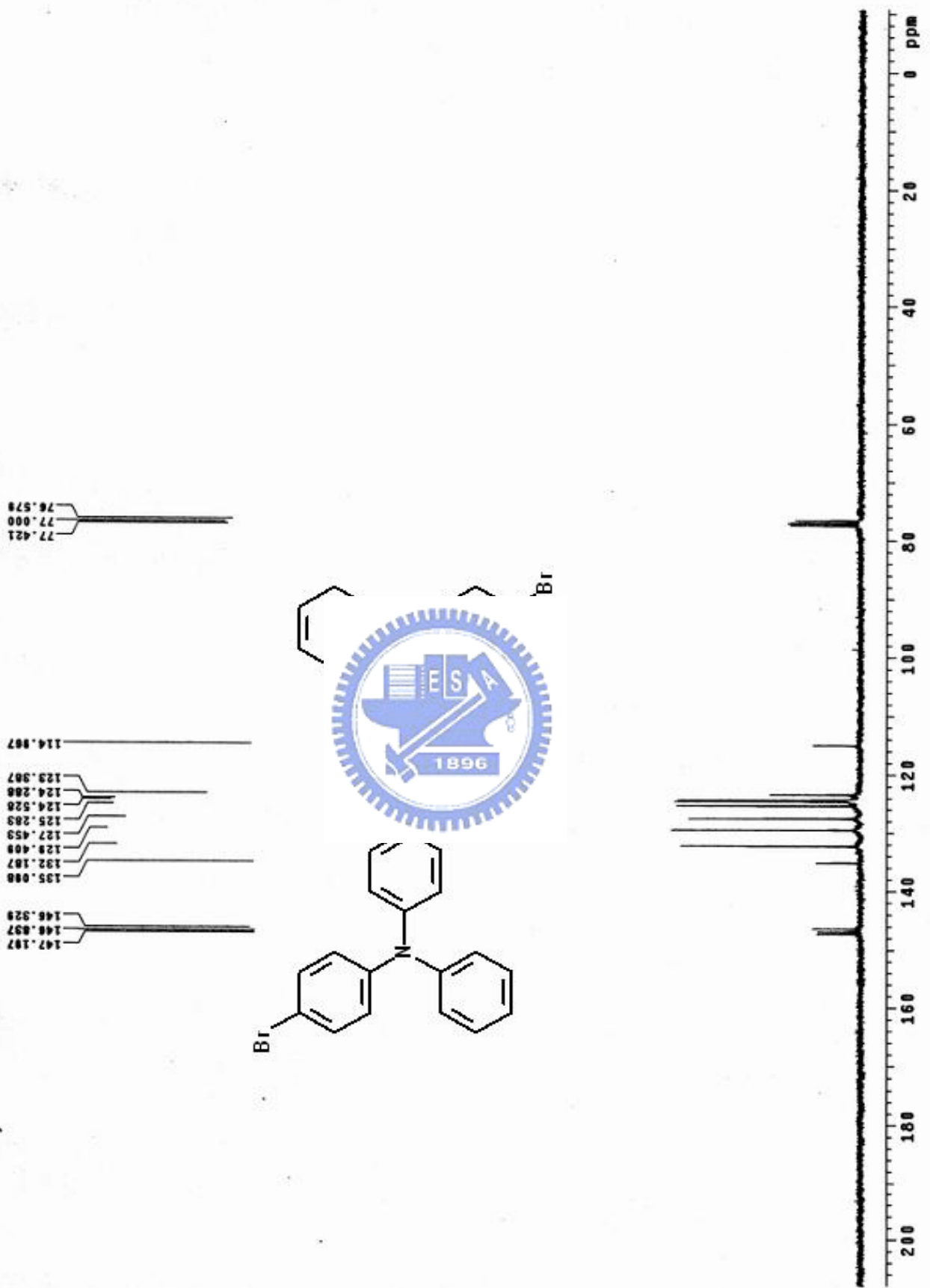


附圖. 16  $^{13}\text{C}$ -NMR spectrum of M3

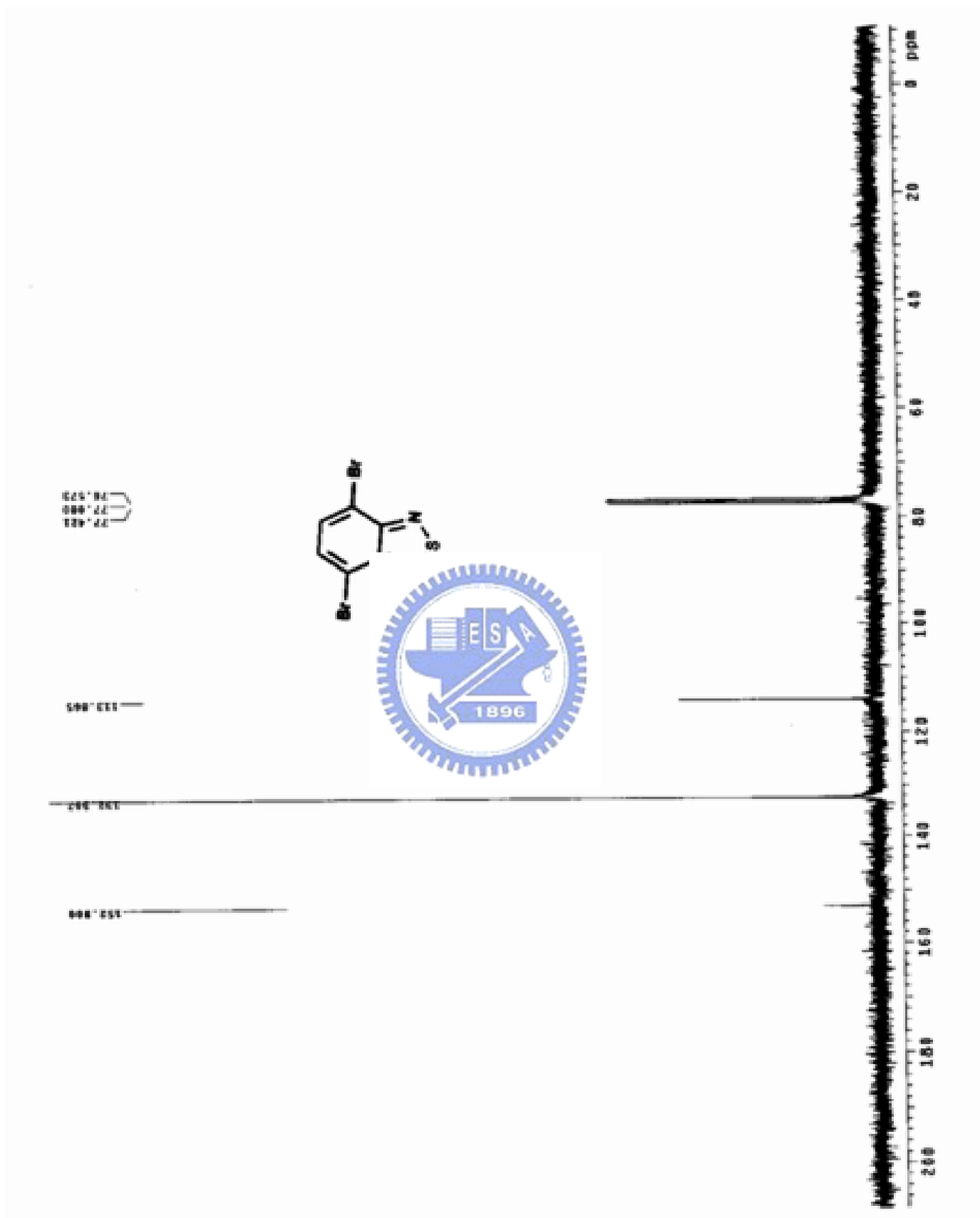




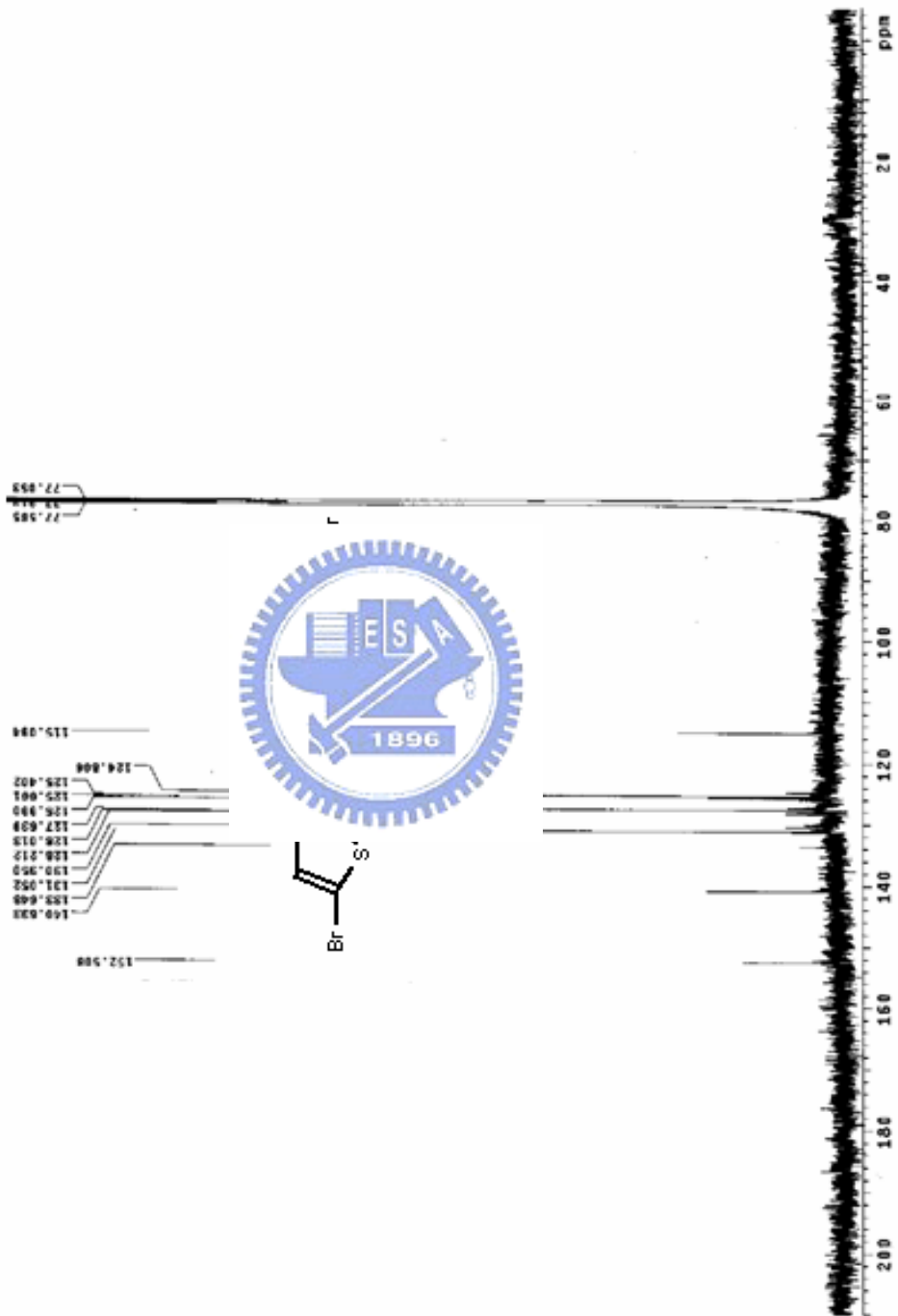
附圖. 17  $^{13}\text{C}$ -NMR spectrum of M4



附圖. 18  $^{13}\text{C-NMR}$  spectrum of M5

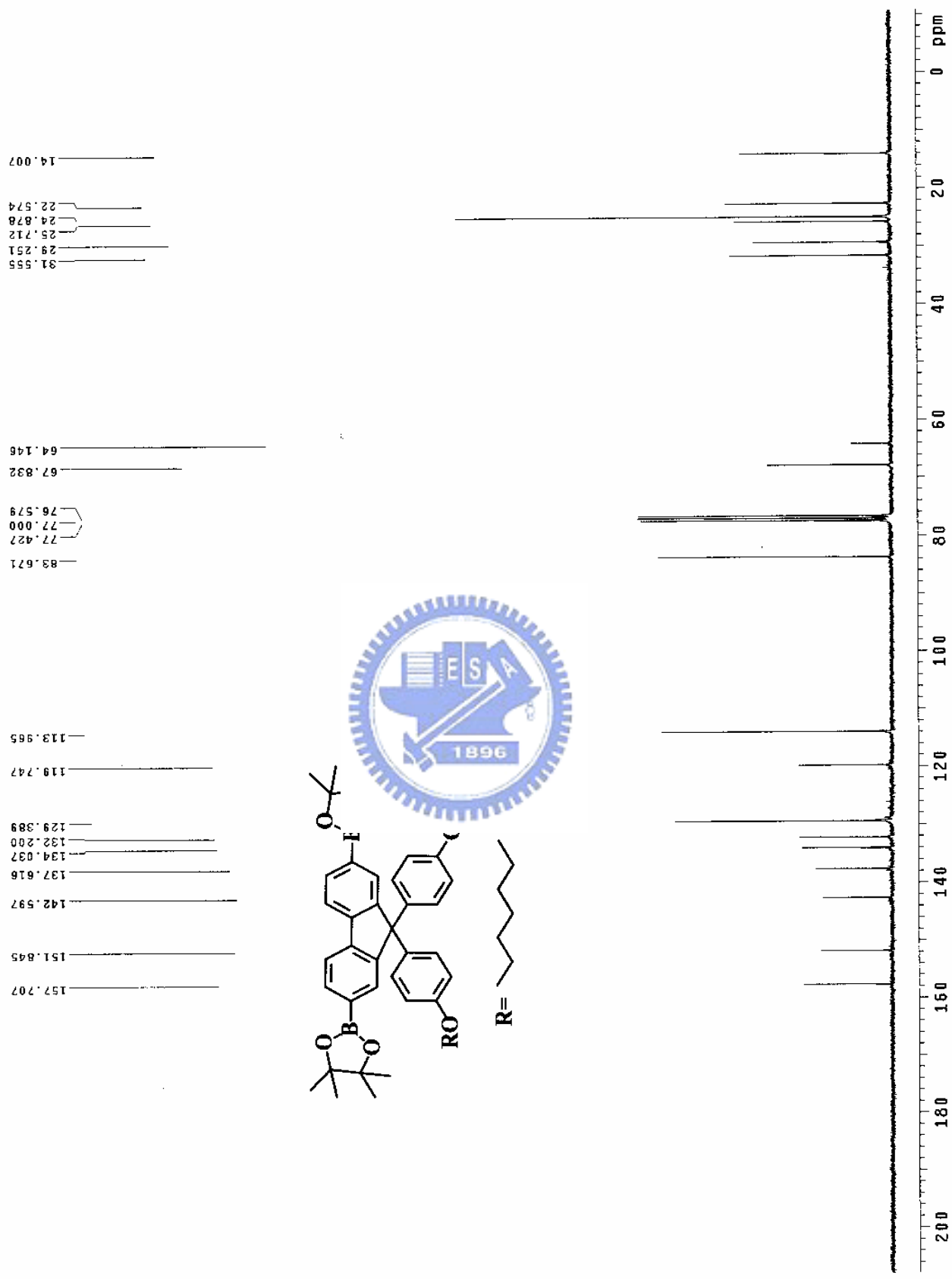


附圖. 19  $^{13}\text{C}$ -NMR spectrum of M6

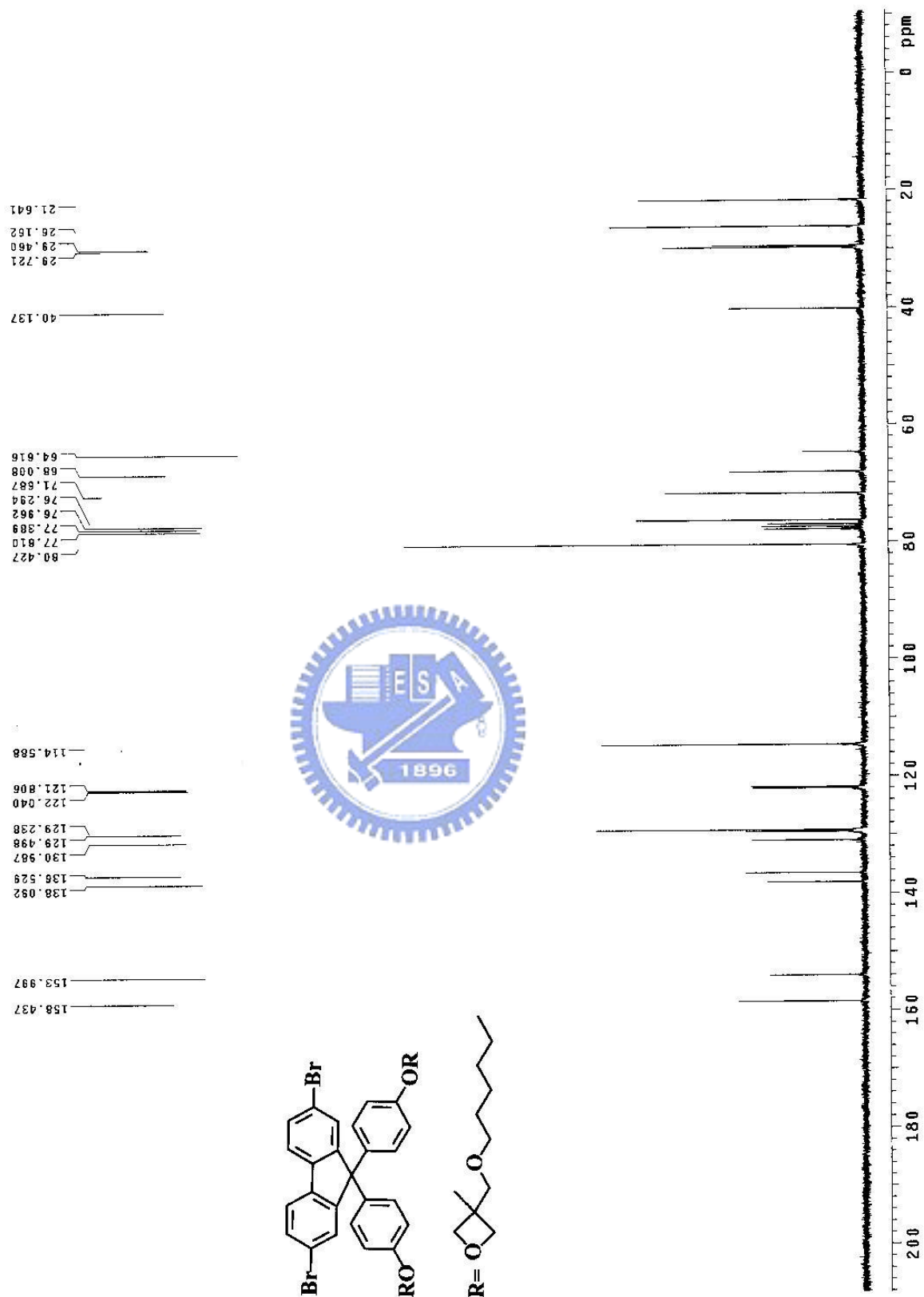


附圖. 20  $^{13}\text{C}$ -NMR spectrum of M7

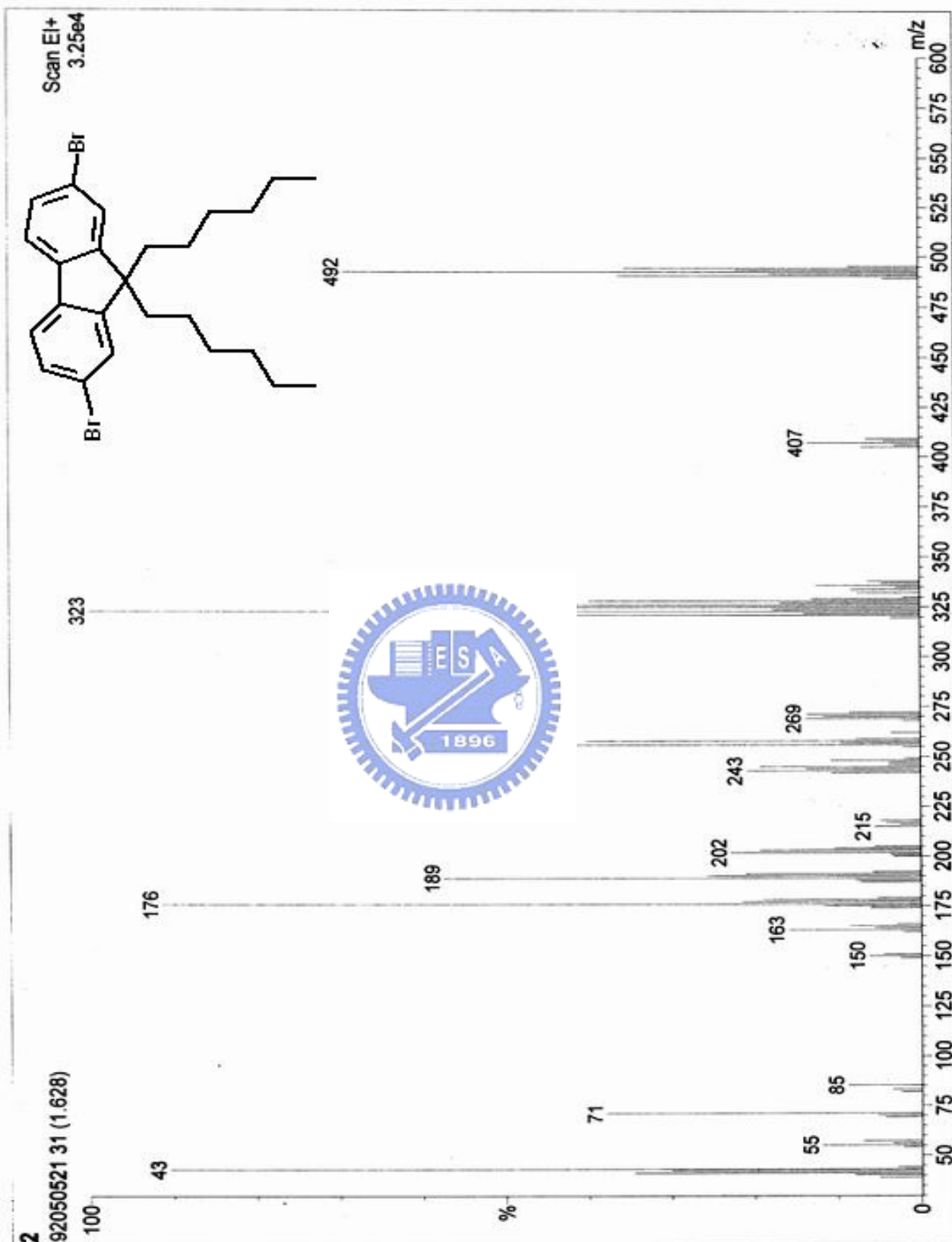




附圖. 22 <sup>13</sup>C-NMR spectrum of MP2

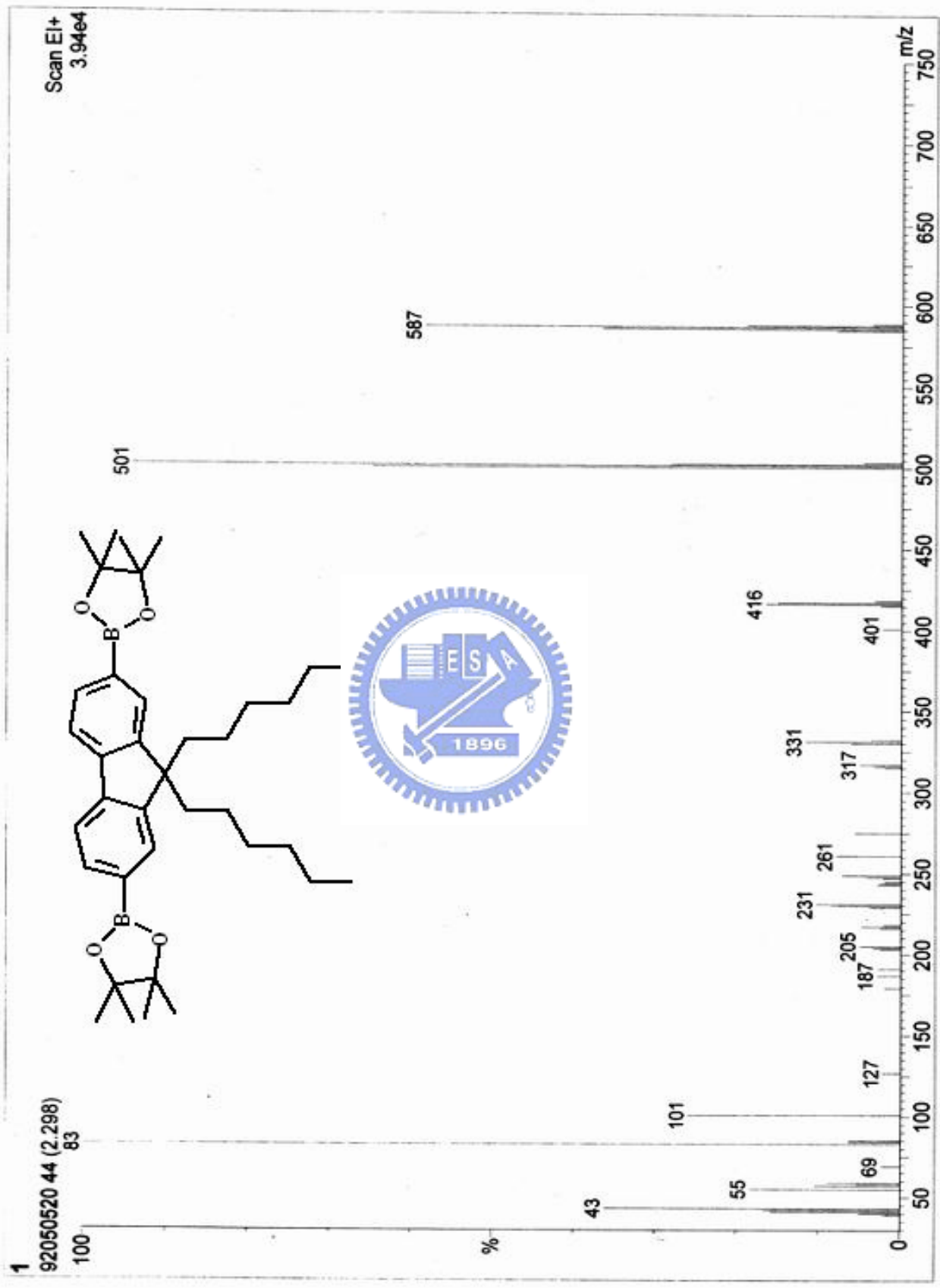


附圖. 23  $^{13}\text{C-NMR}$  spectrum of MP3



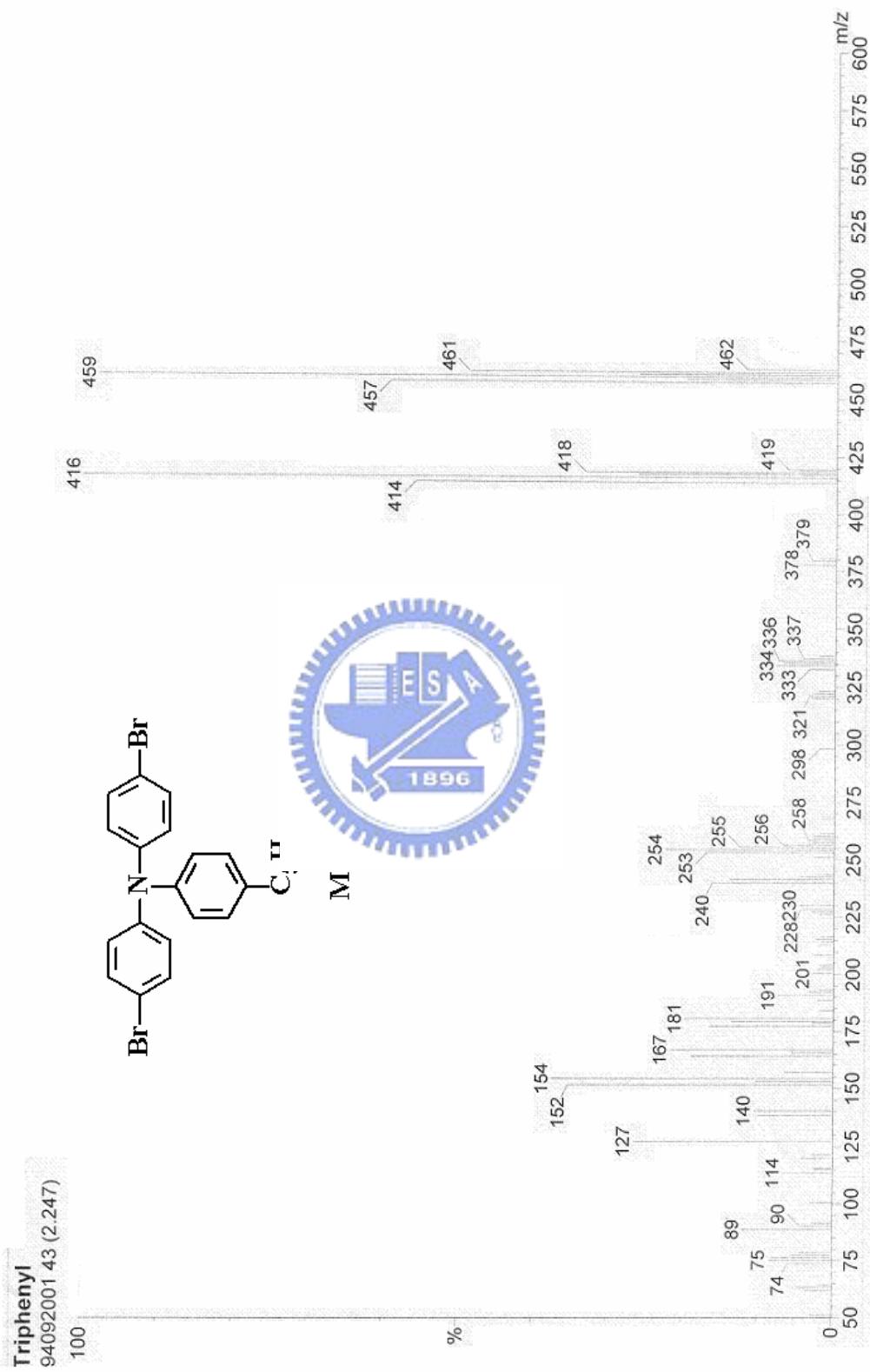
附圖. 24 Mass spectrum of M1



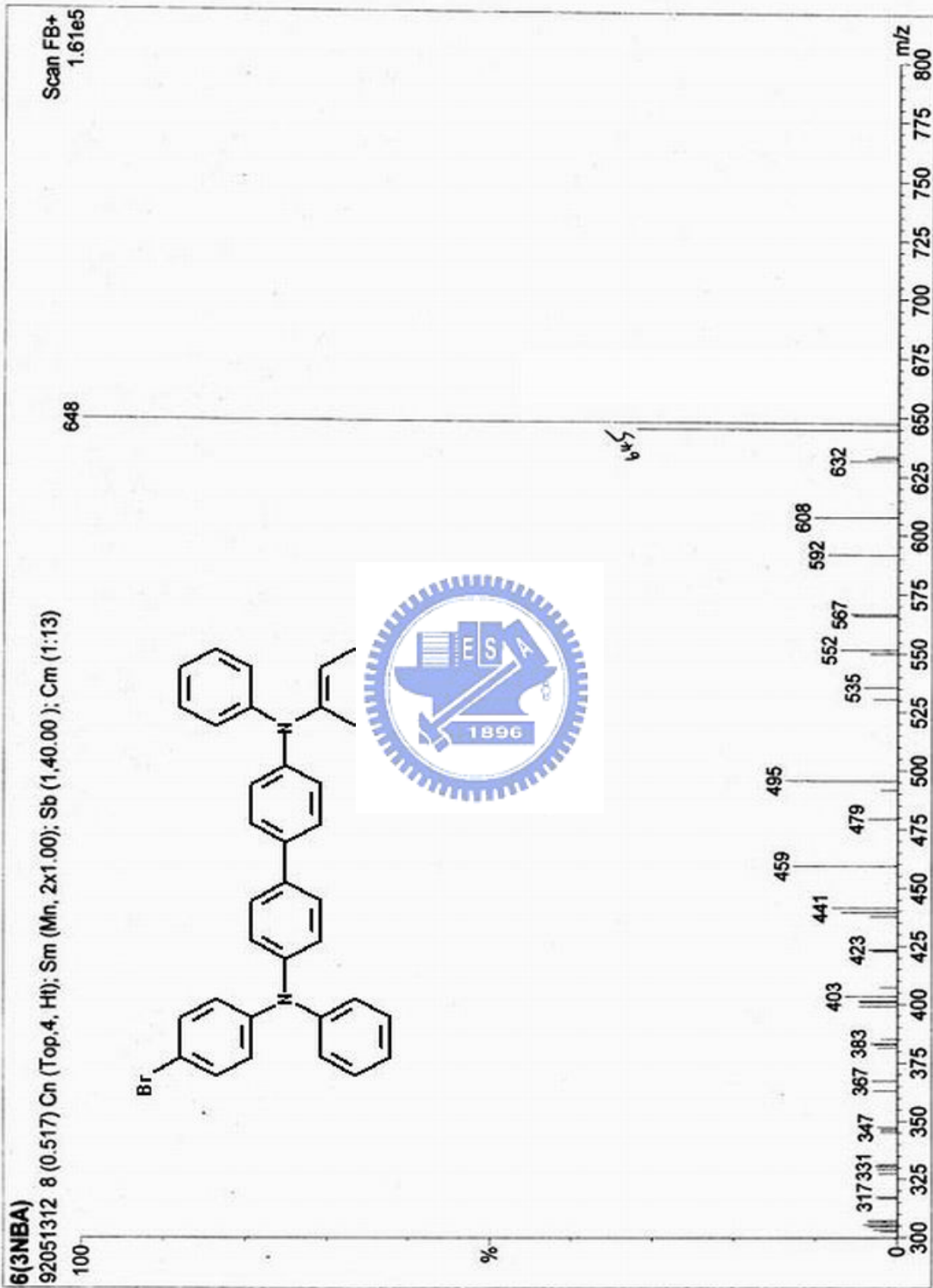


附圖. 25 Mass spectrum of M2

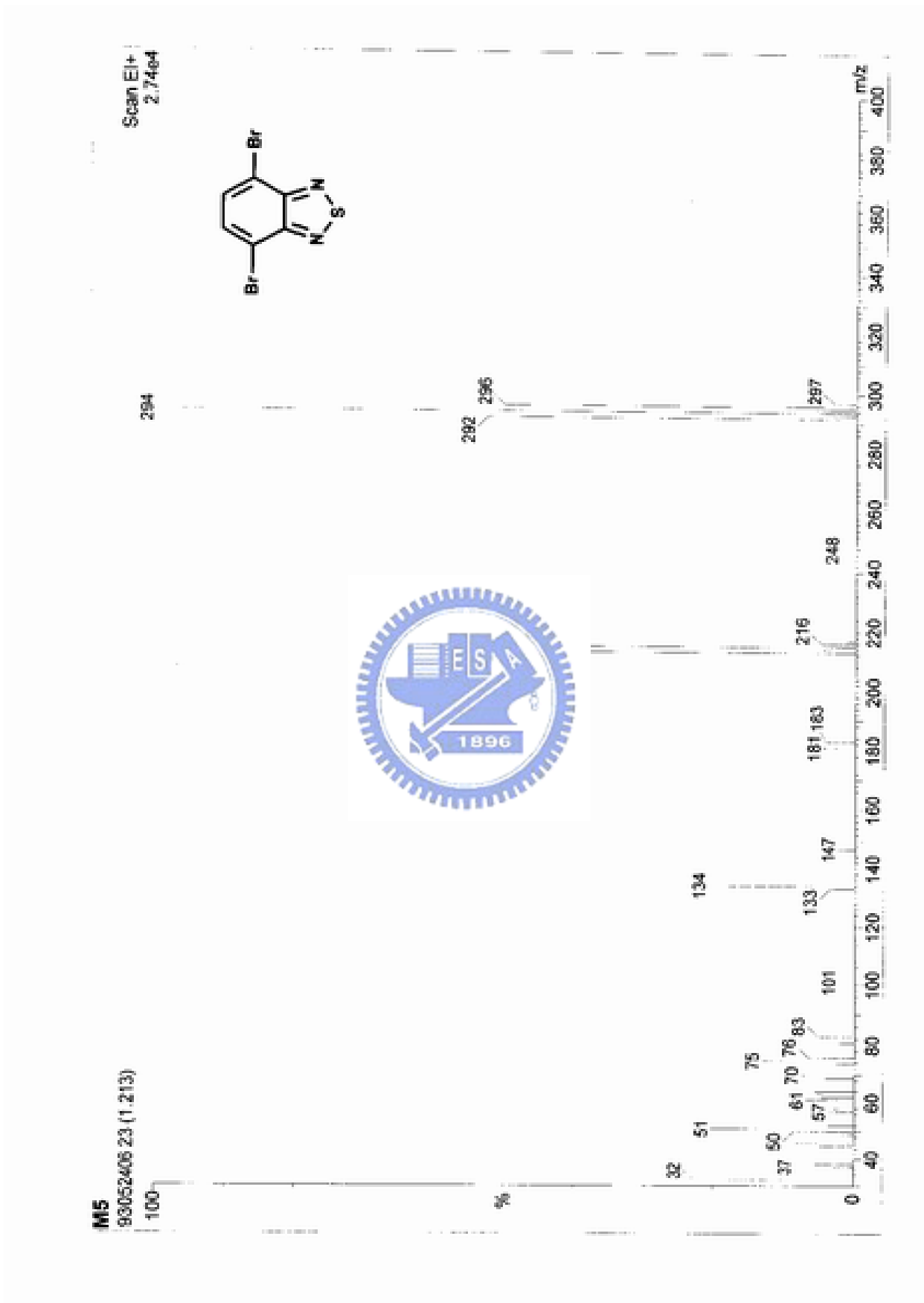




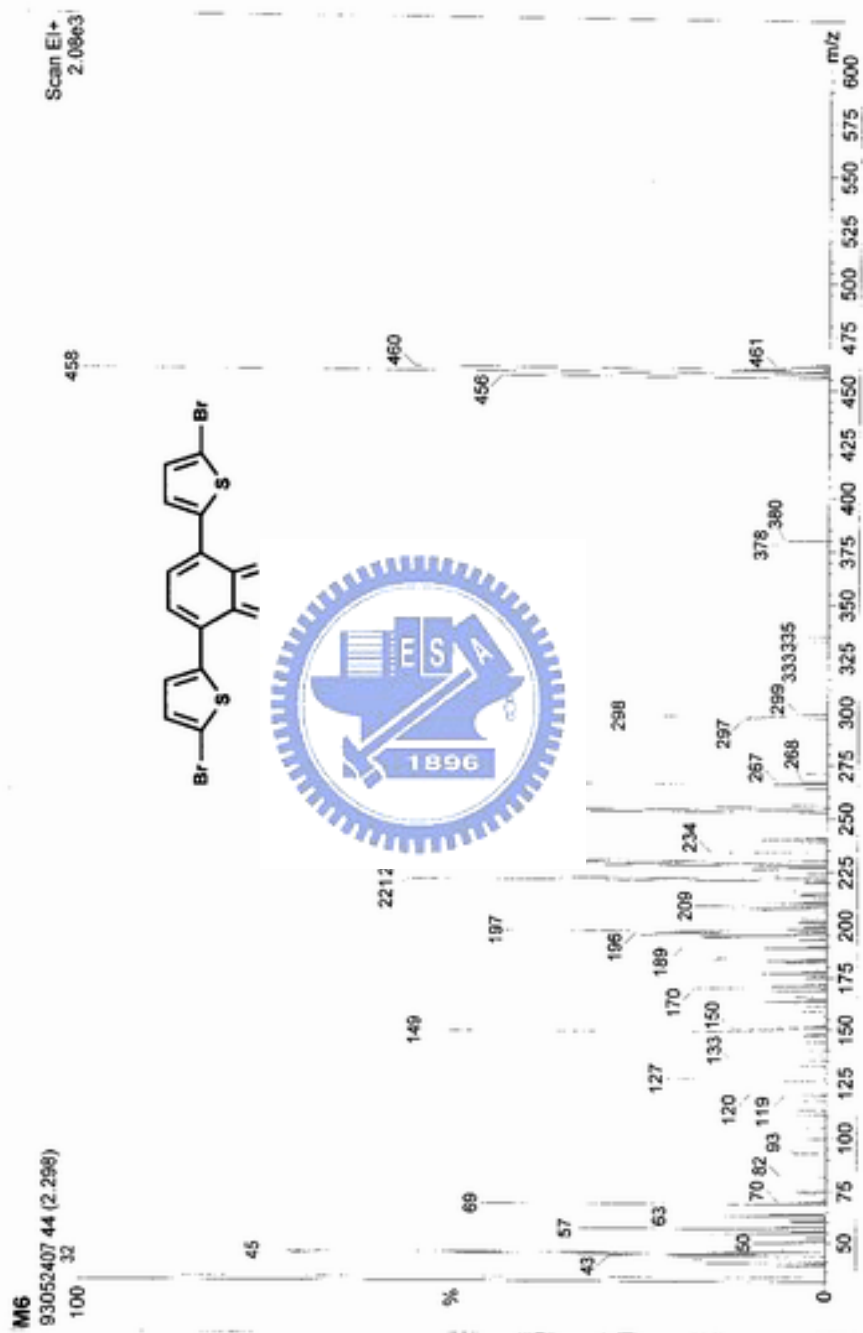
附圖. 27 Mass spectrum of M4



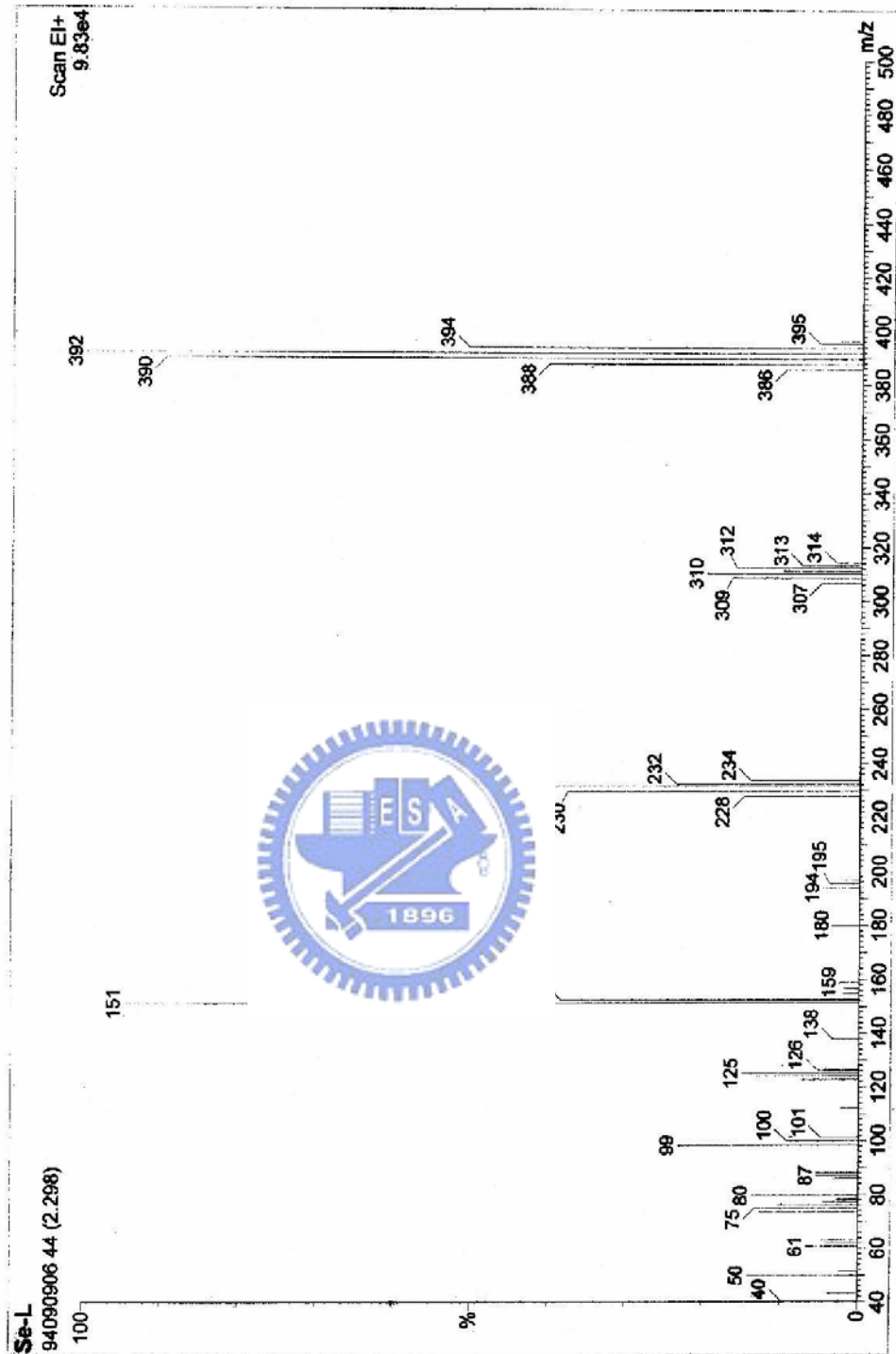
附圖. 28 Mass spectrum of M5



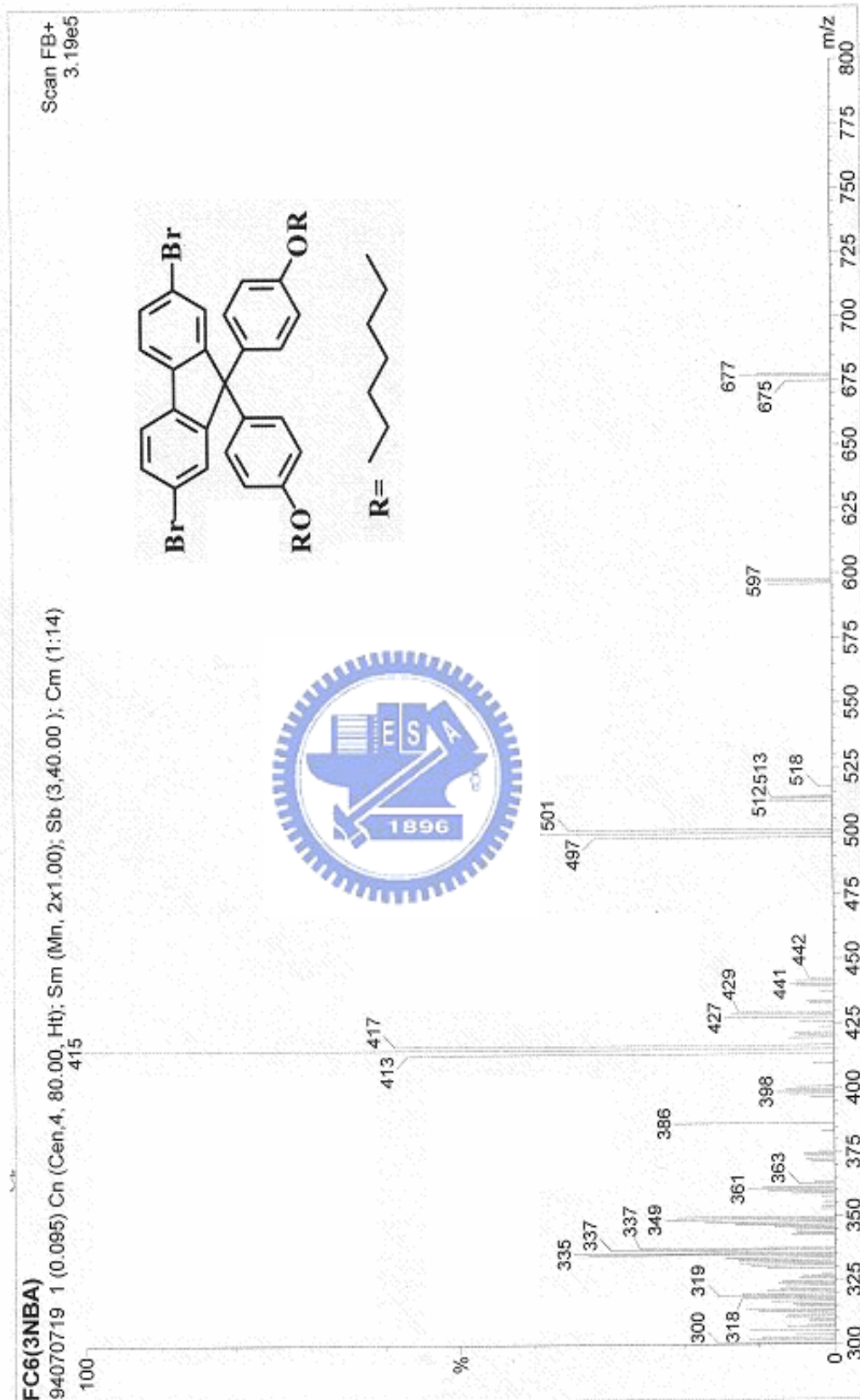
附圖. 29 Mass spectrum of M6



附圖. 30 Mass spectrum of M7



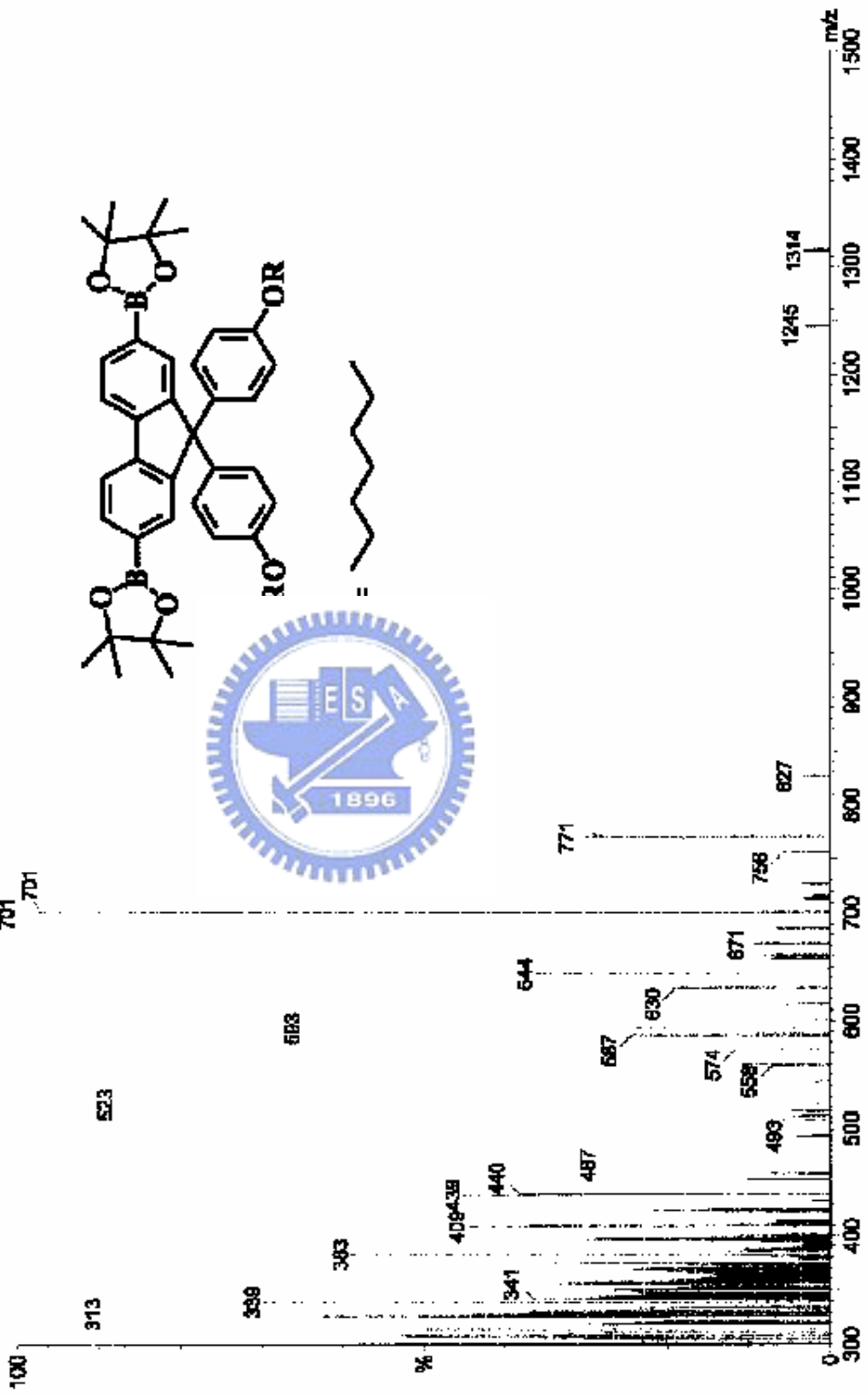
附圖. 31 Mass spectrum of M8

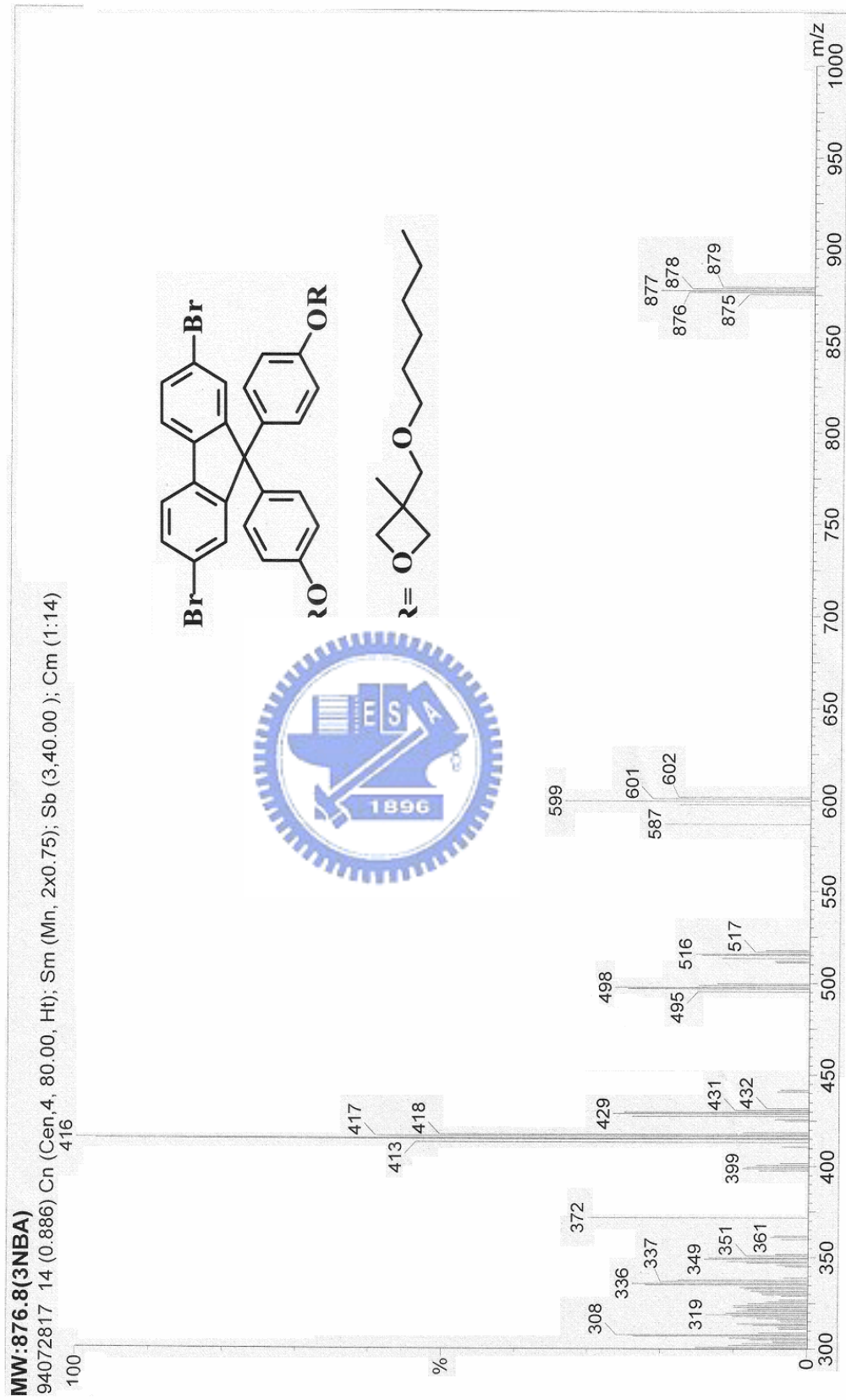


附圖. 32 Mass spectrum of MP1

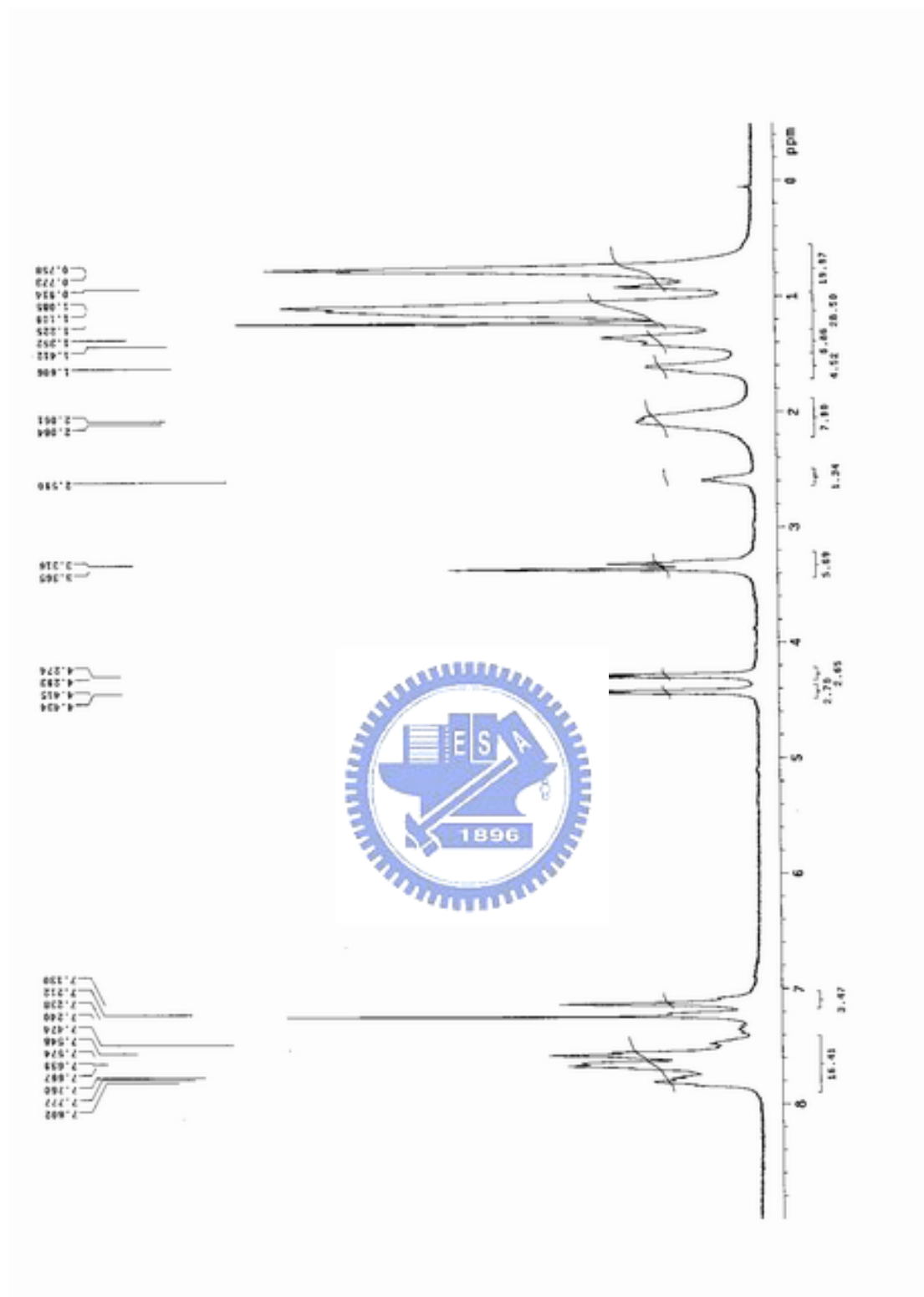


FBI(3NBA)  
94070720 14 (0.982) Cn (Can. 4, 80.00, HI); Sm (Min, 2x1.00); Sb (3,40.00 k Cm (1:14)

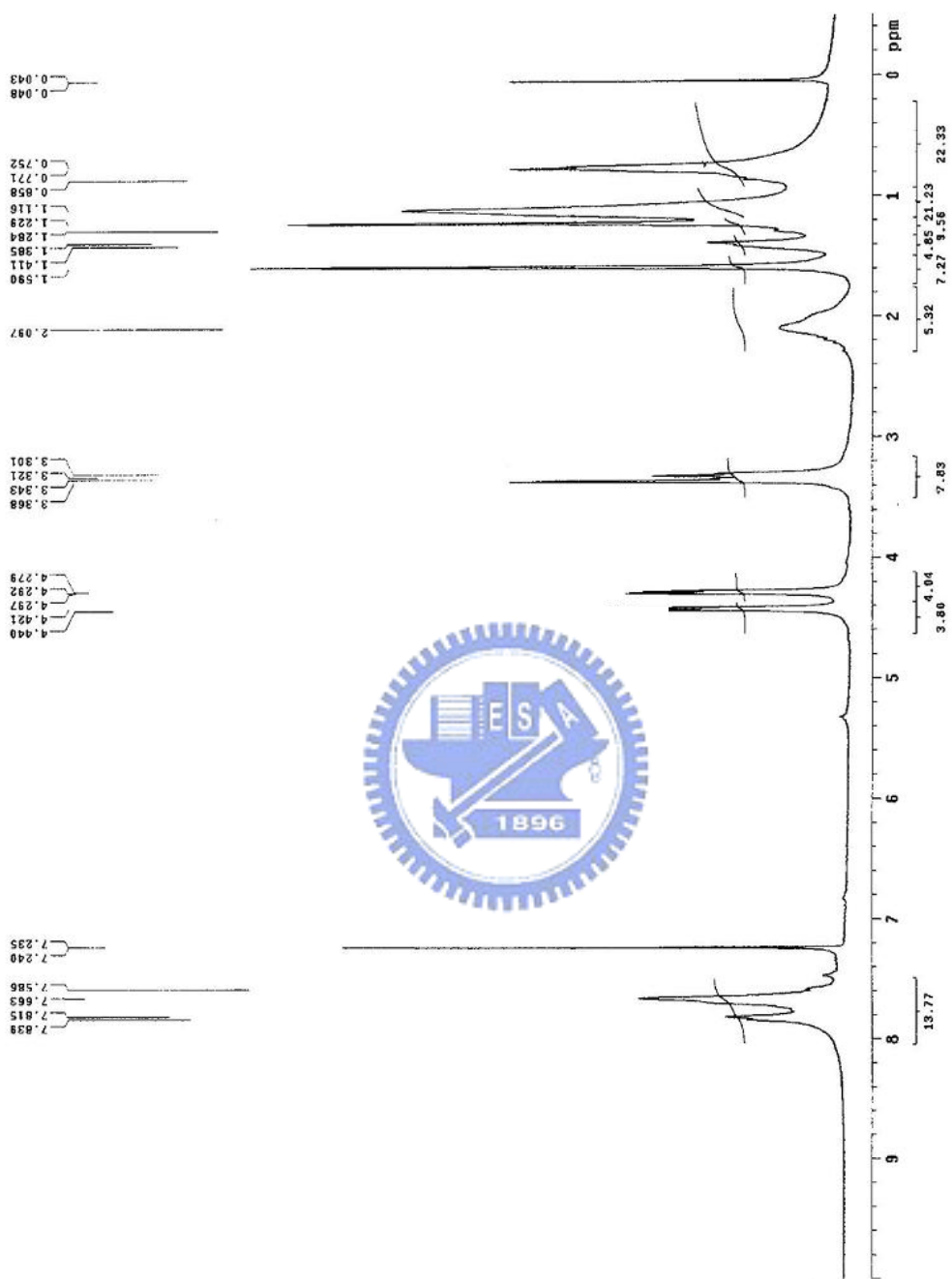




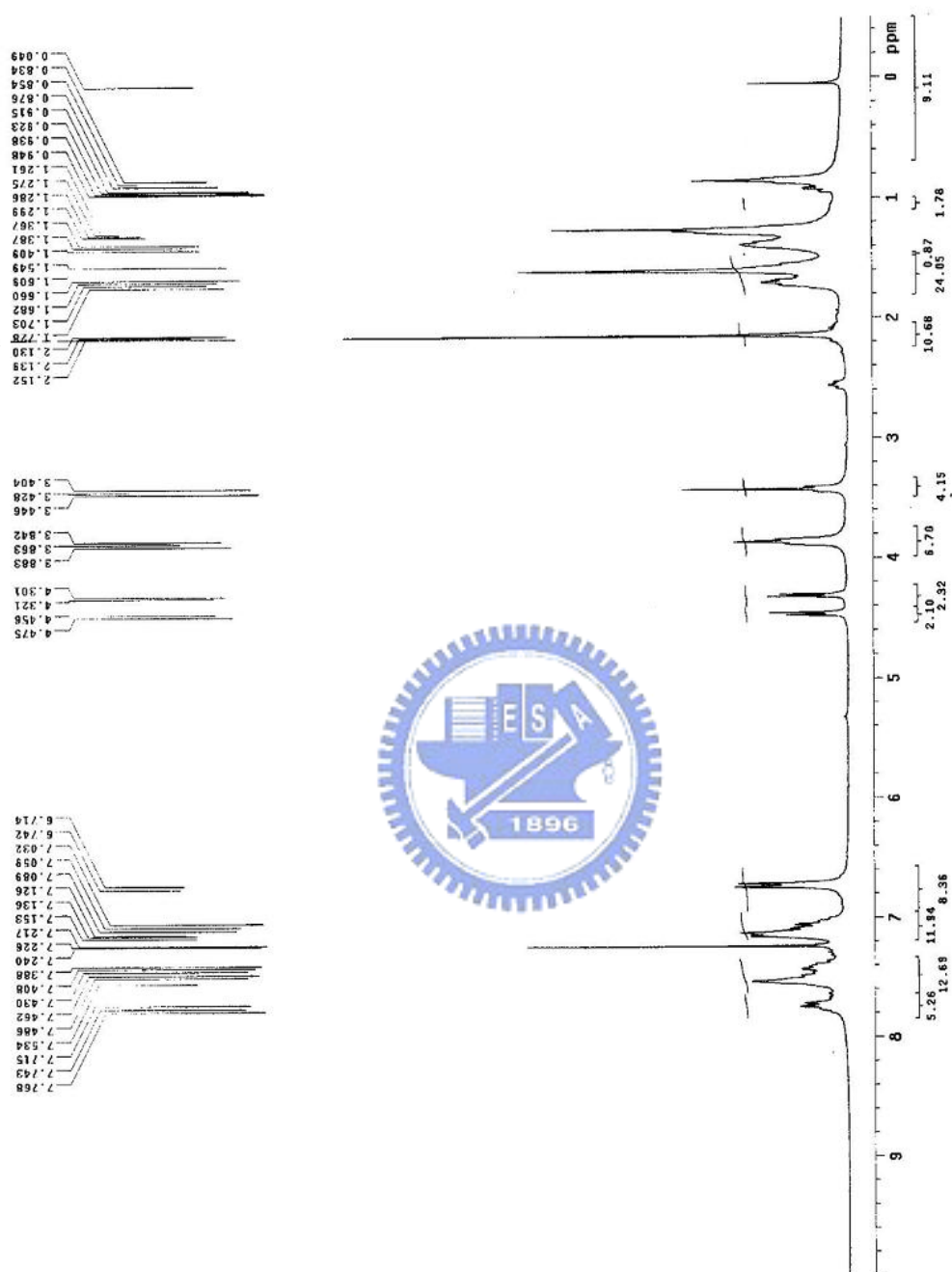
附圖. 34 Mass spectrum of MP3



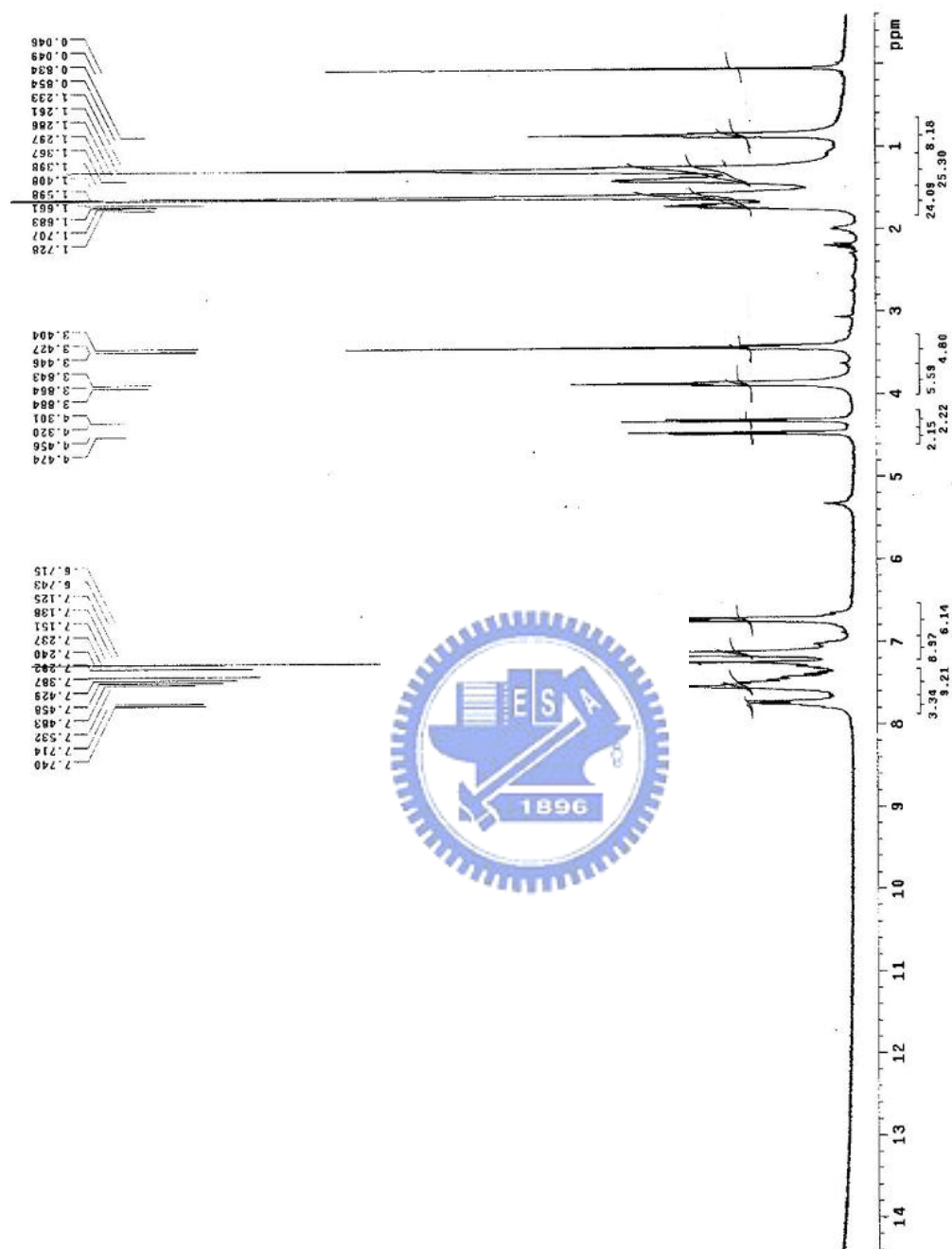
附圖. 35  $^1\text{H-NMR}$  spectrum of PF-B1



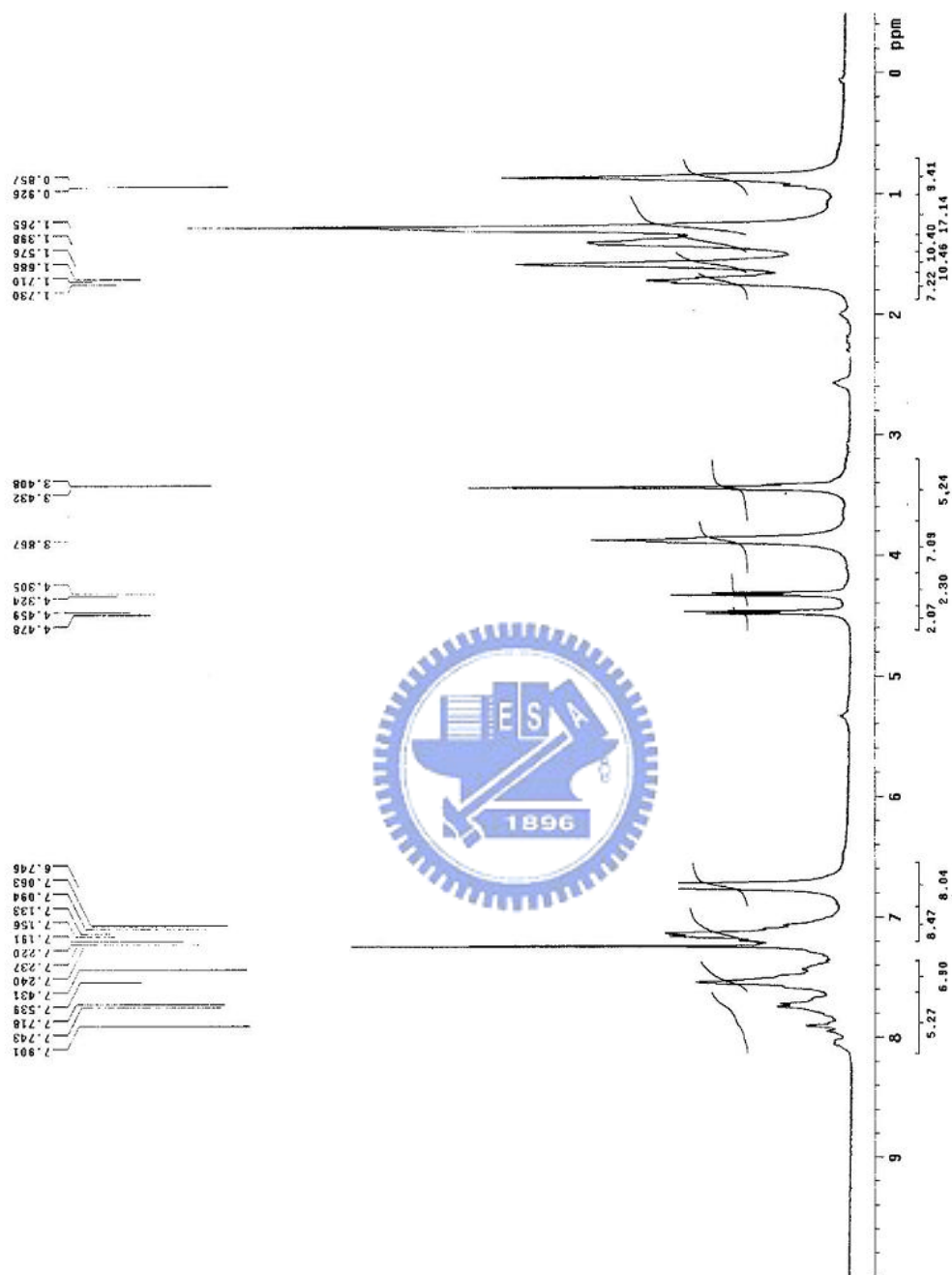
附圖. 36  $^1\text{H-NMR}$  spectrum of PF-G1



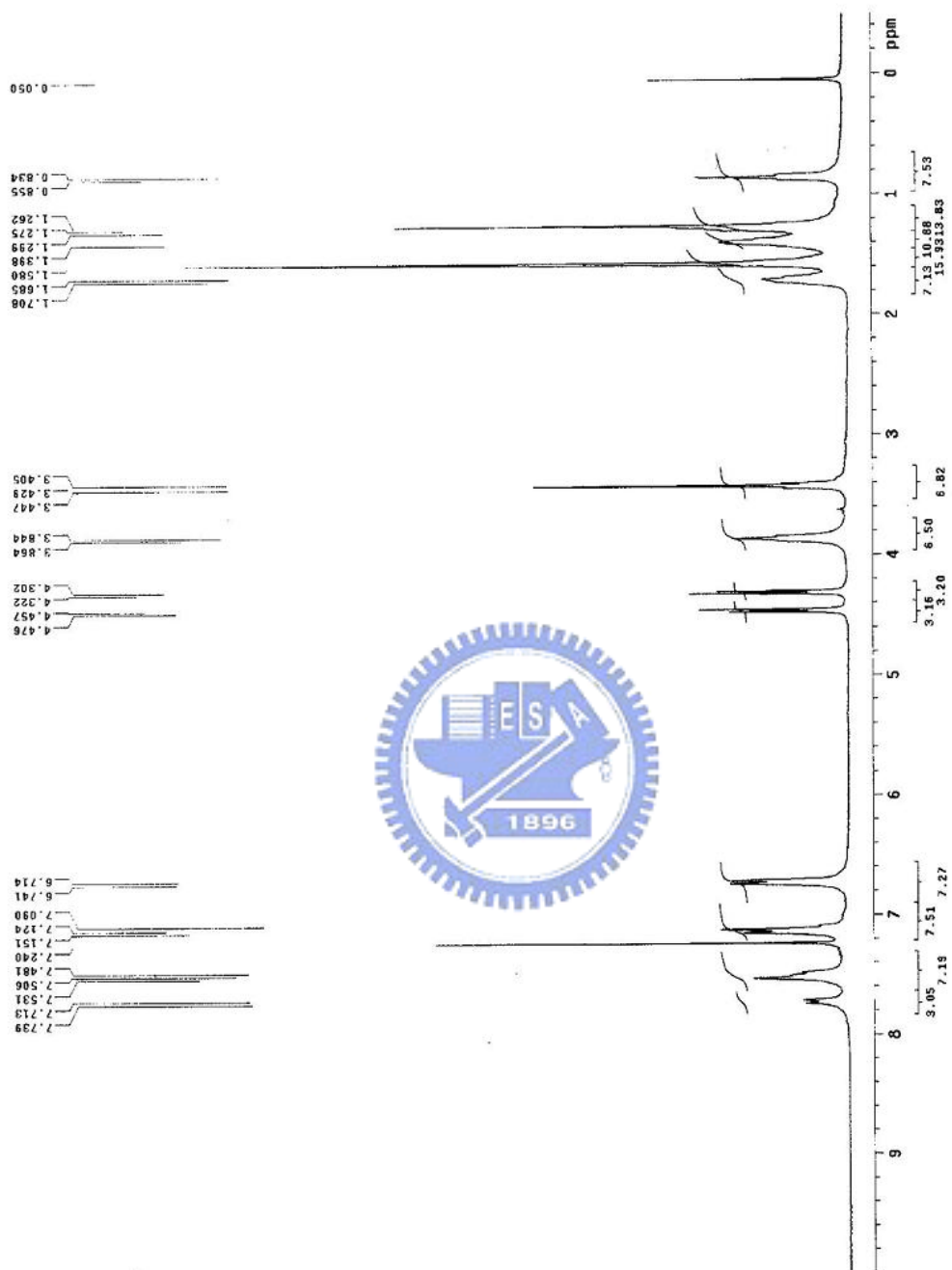
附圖. 37  $^1\text{H-NMR}$  spectrum of PPF-B1



附圖. 38  $^1\text{H-NMR}$  spectrum of PPF-B2

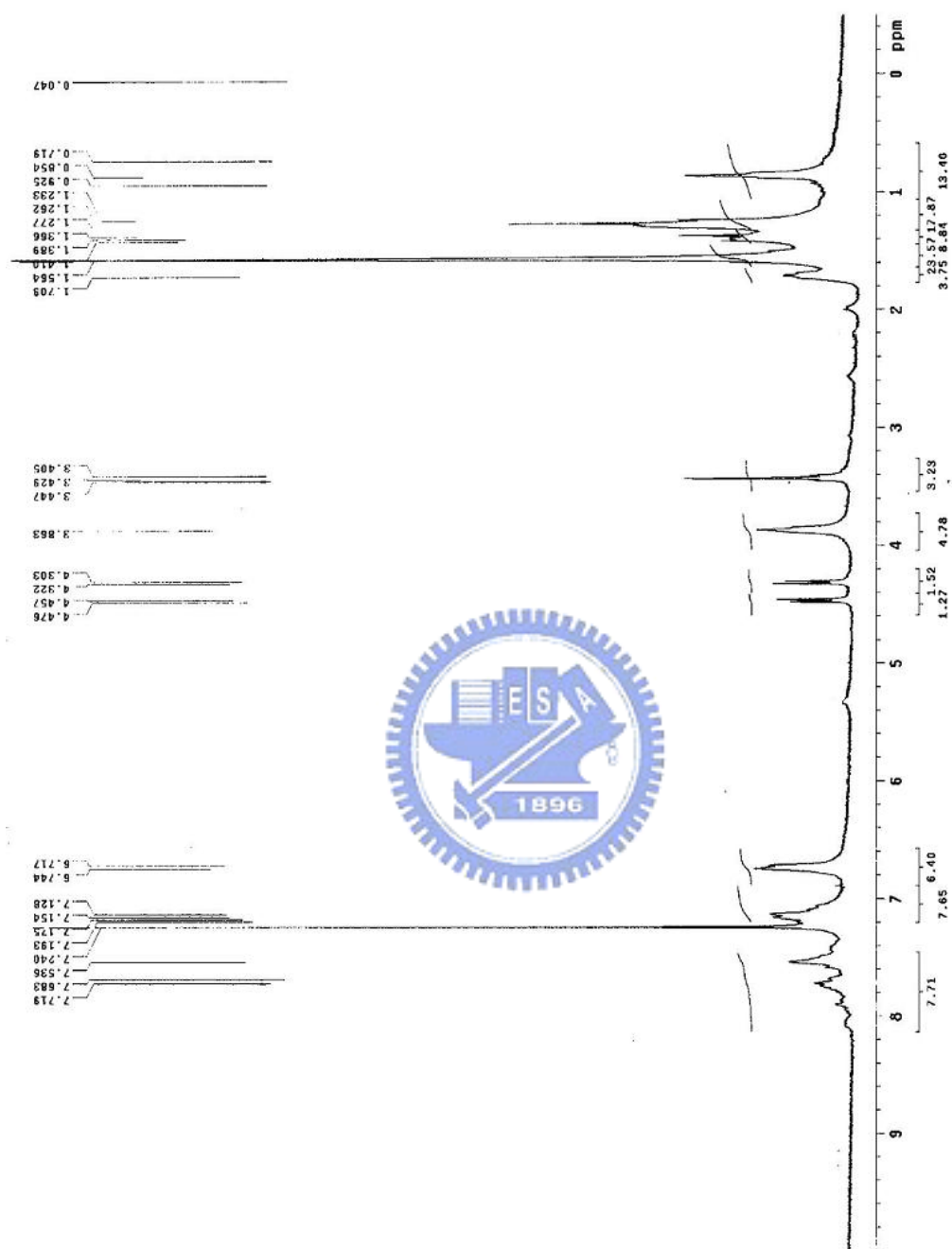


附圖. 39  $^1\text{H-NMR}$  spectrum of PPF-G1

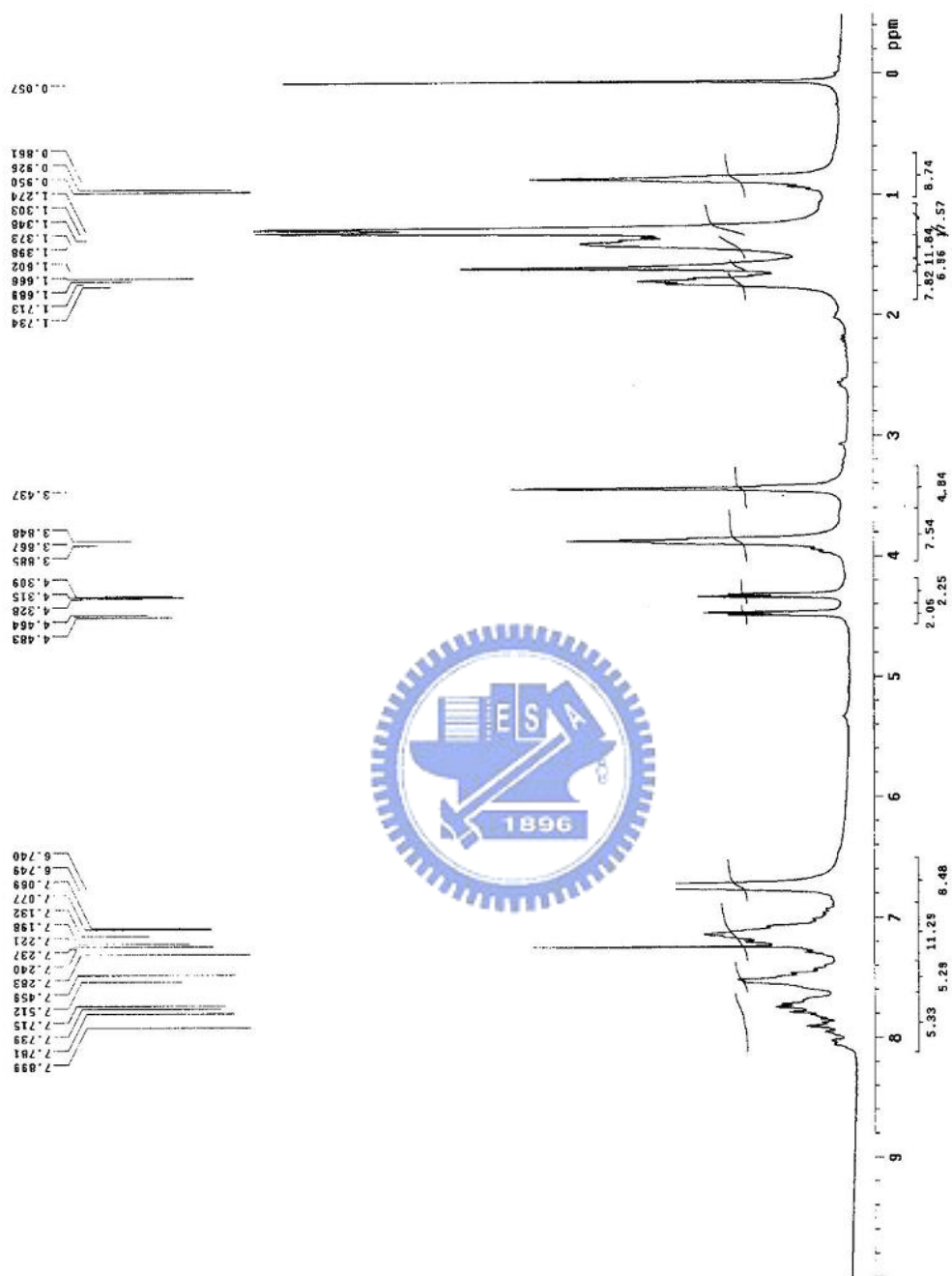


附圖. 40  $^1\text{H-NMR}$  spectrum of PPF-G2





附圖. 41  $^1\text{H-NMR}$  spectrum of PPF-R1



附圖. 42 <sup>1</sup>H-NMR spectrum of PPF-R2