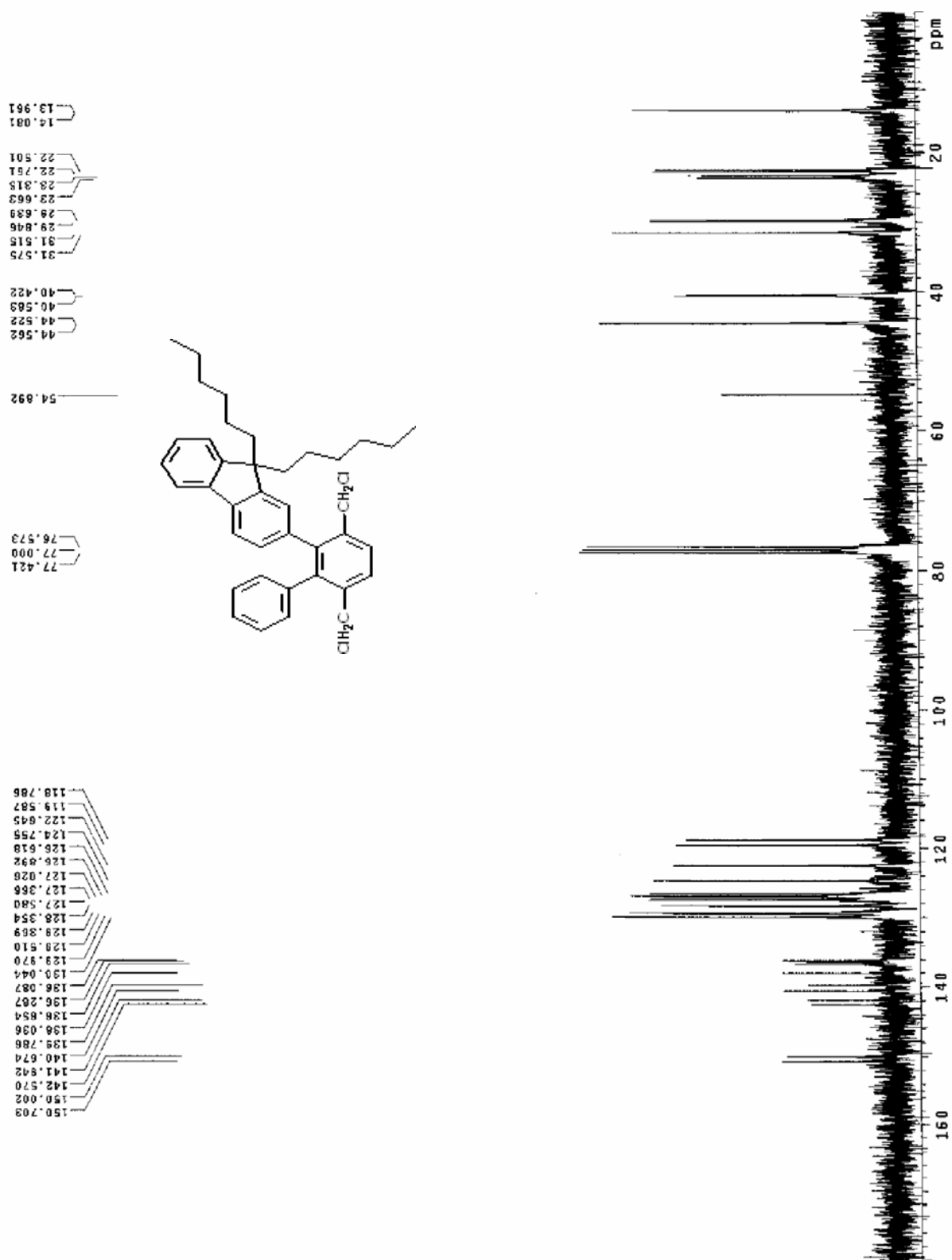
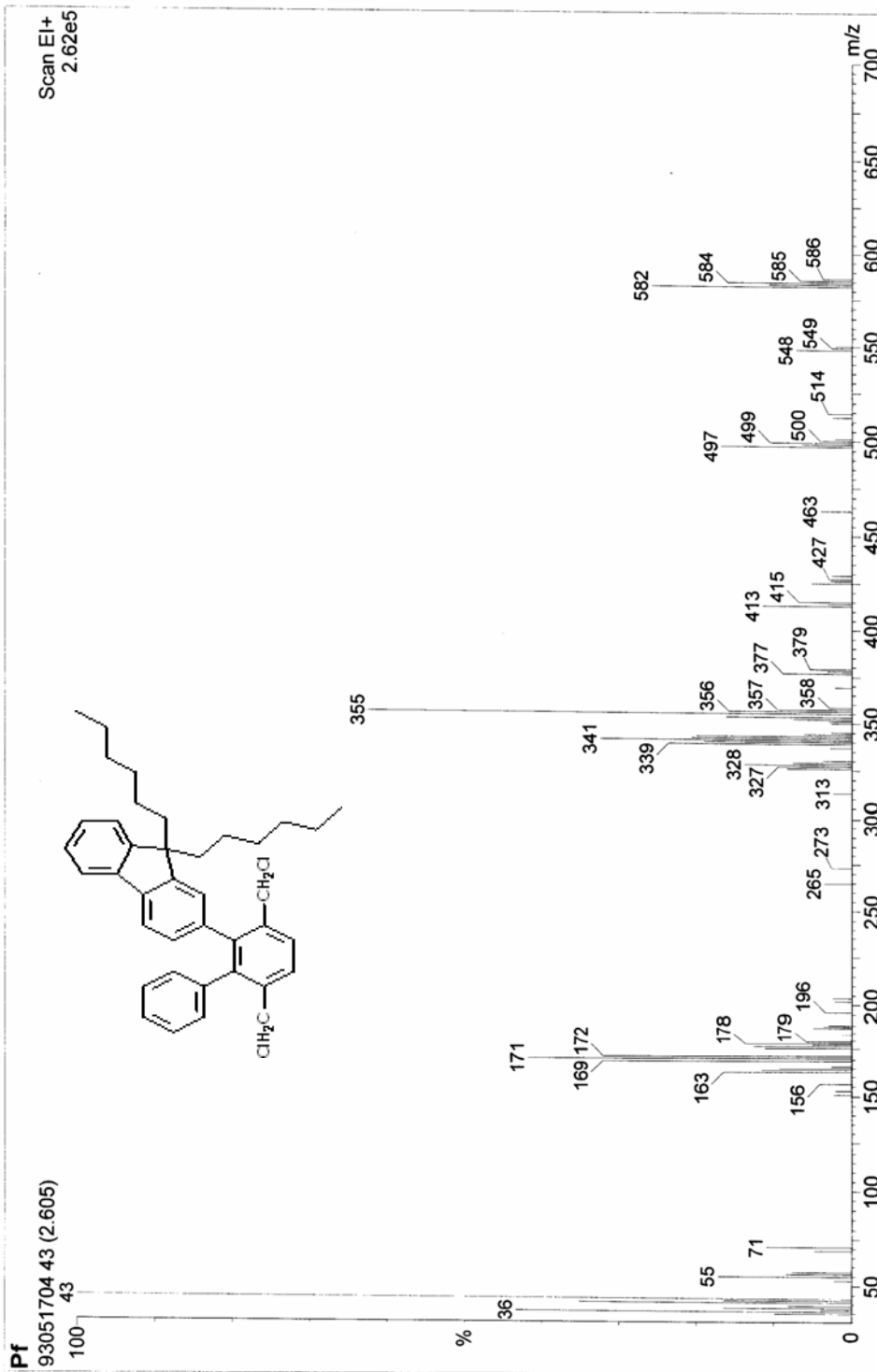


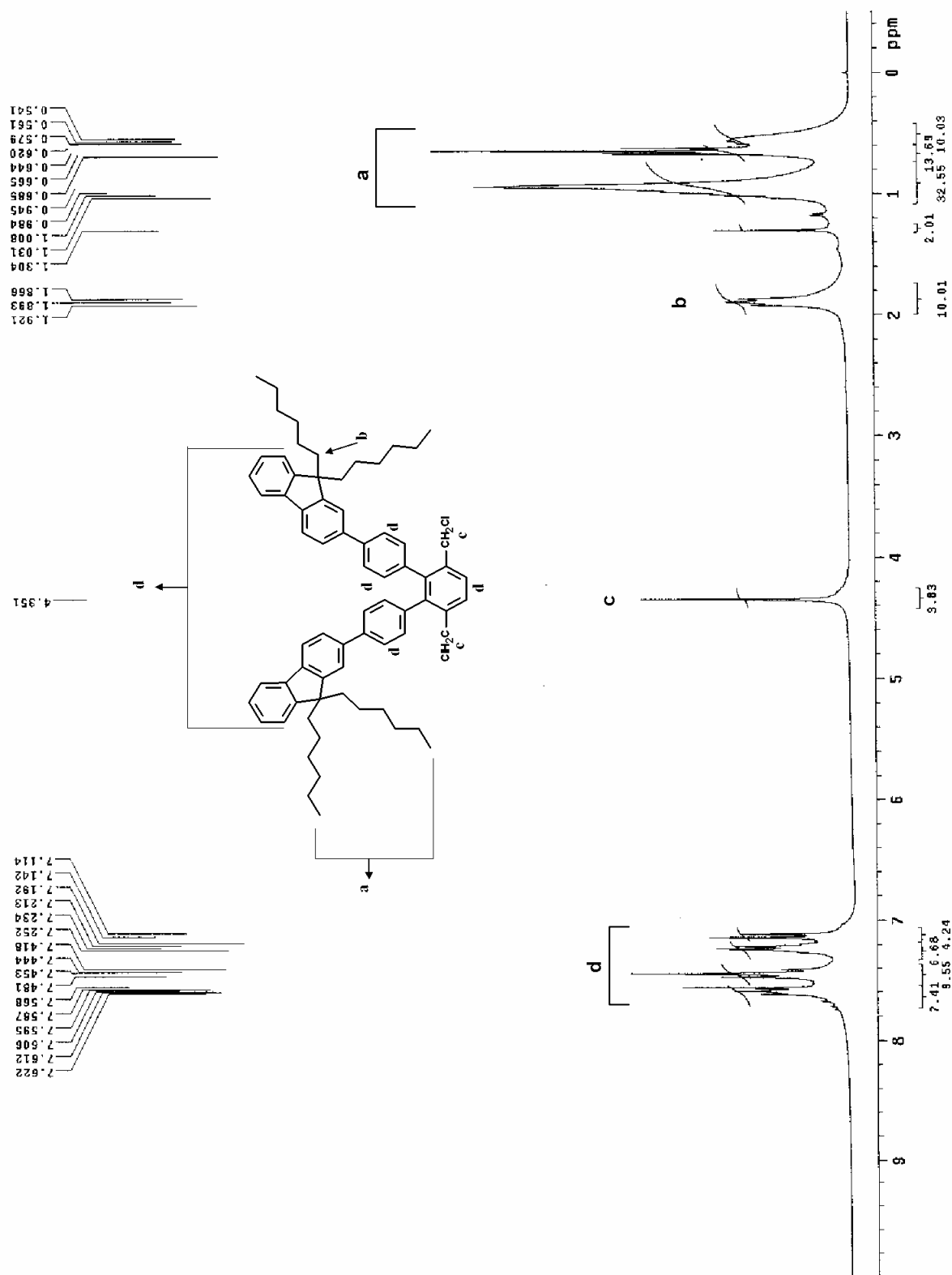
附圖 1. ¹H-NMR spectrum of M1



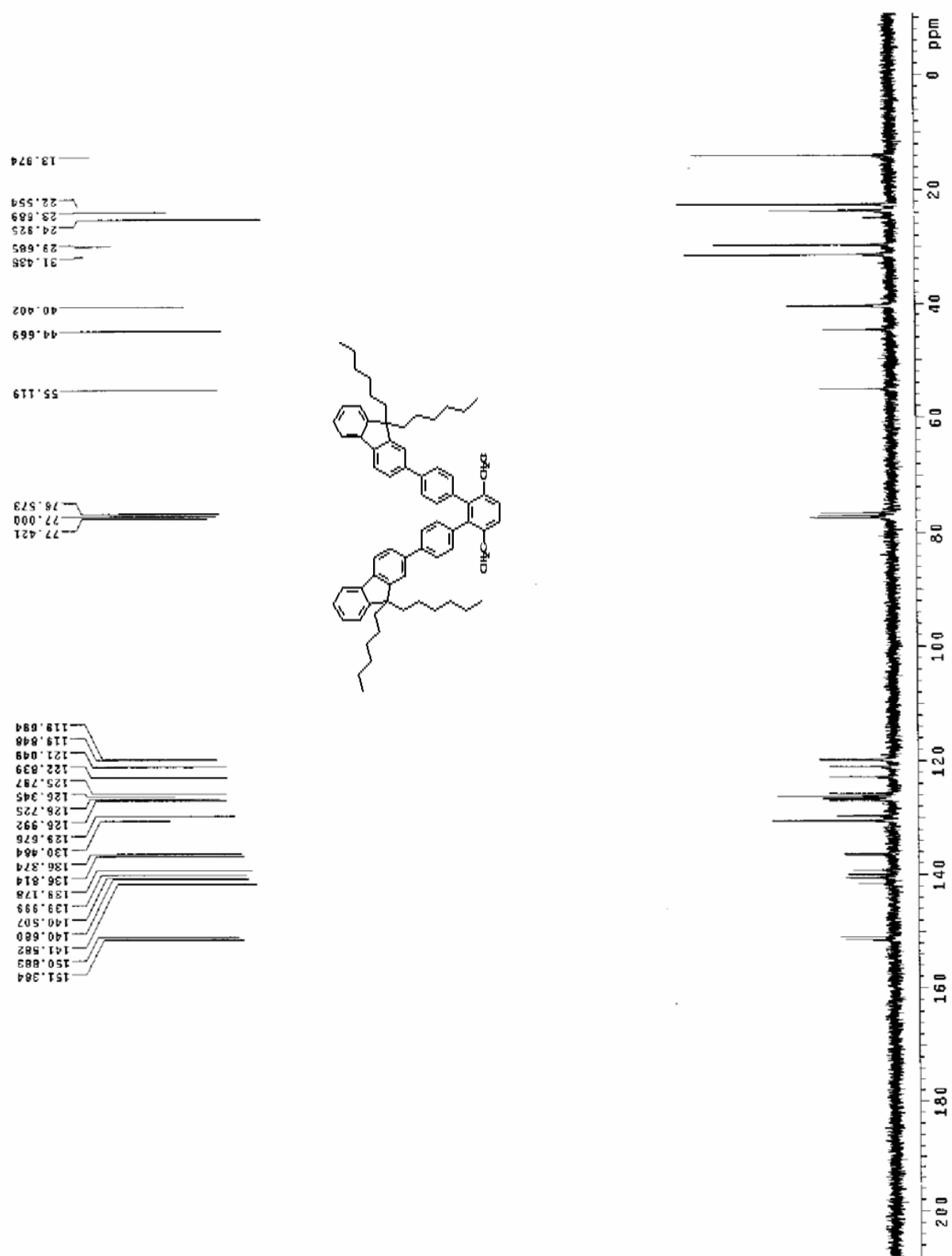
附圖 2. ^{13}C -NMR spectrum of M1



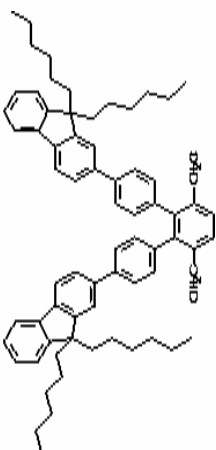
附圖 3. Mass spectrum of M1



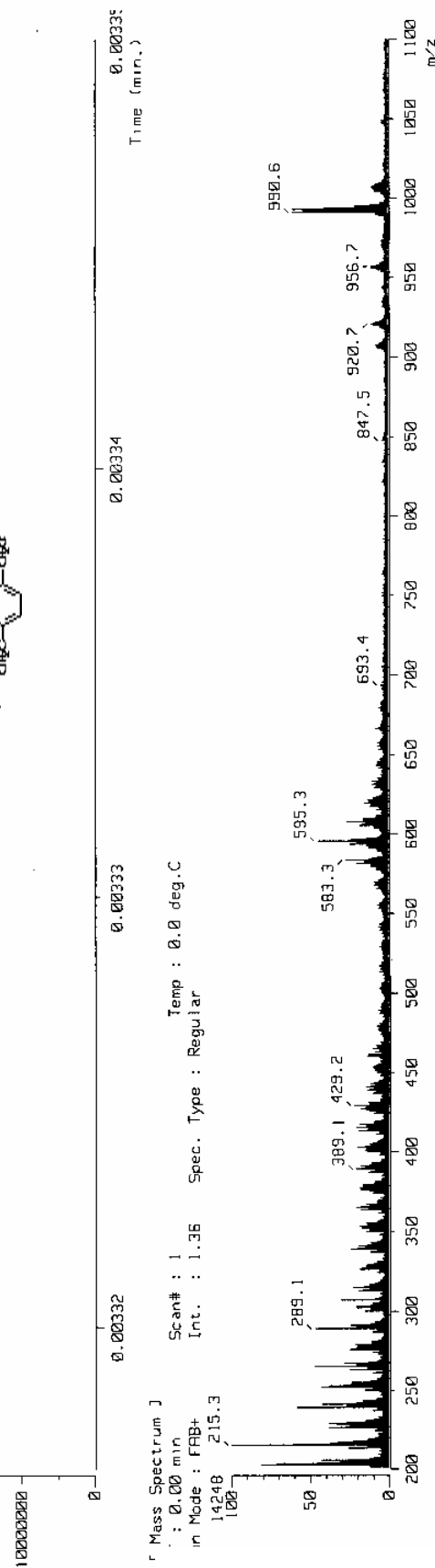
附圖 4. $^1\text{H-NMR}$ spectrum of M2



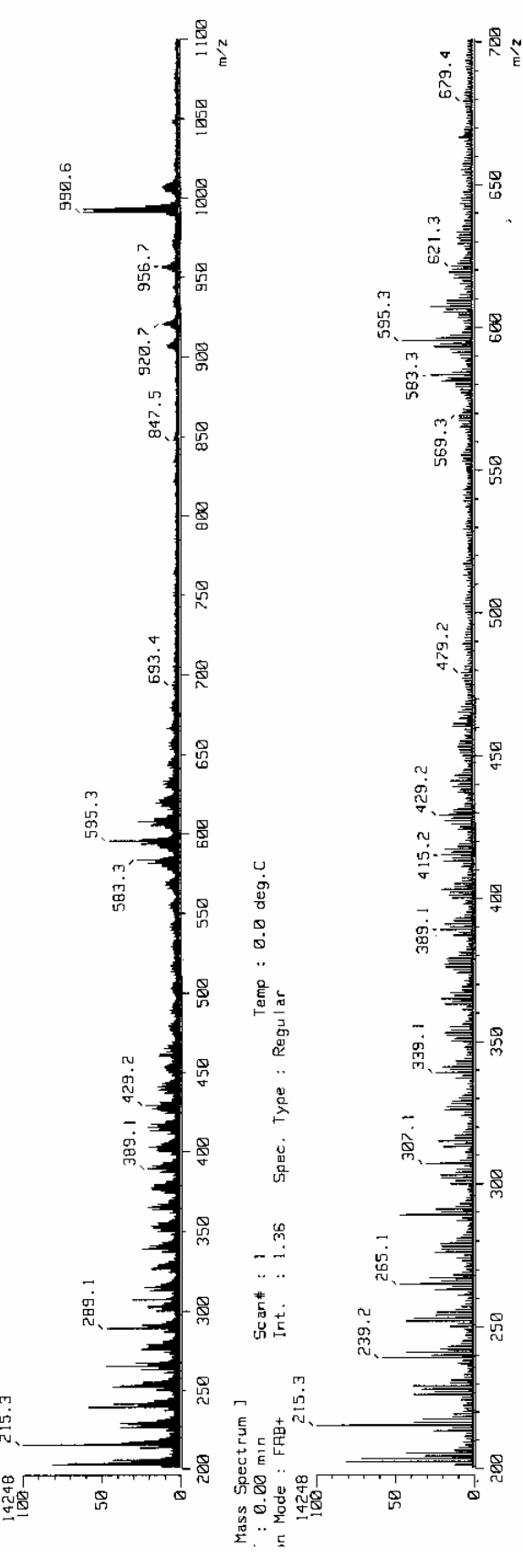
附圖 5. $^{13}\text{C-NMR}$ spectrum of M2



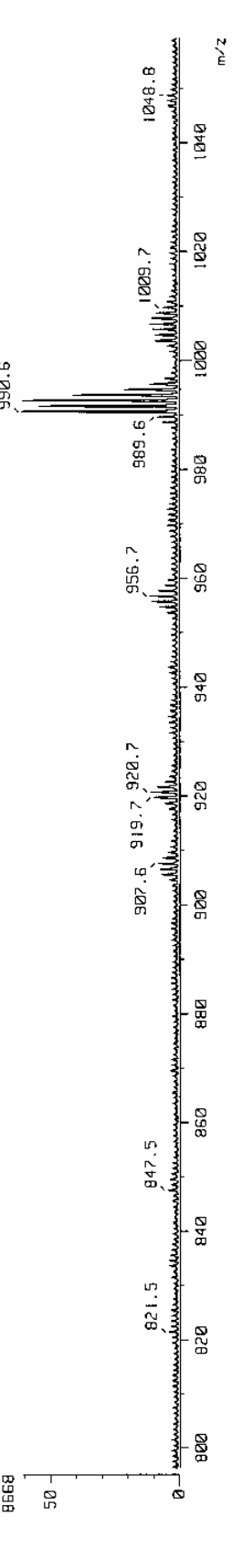
[TIC]
 Date : 24-May-93 18:38
 Data : 333
 Sample: DPf
 Note : NBA
 Inlet : Direct
 Ion Mode : FAB+



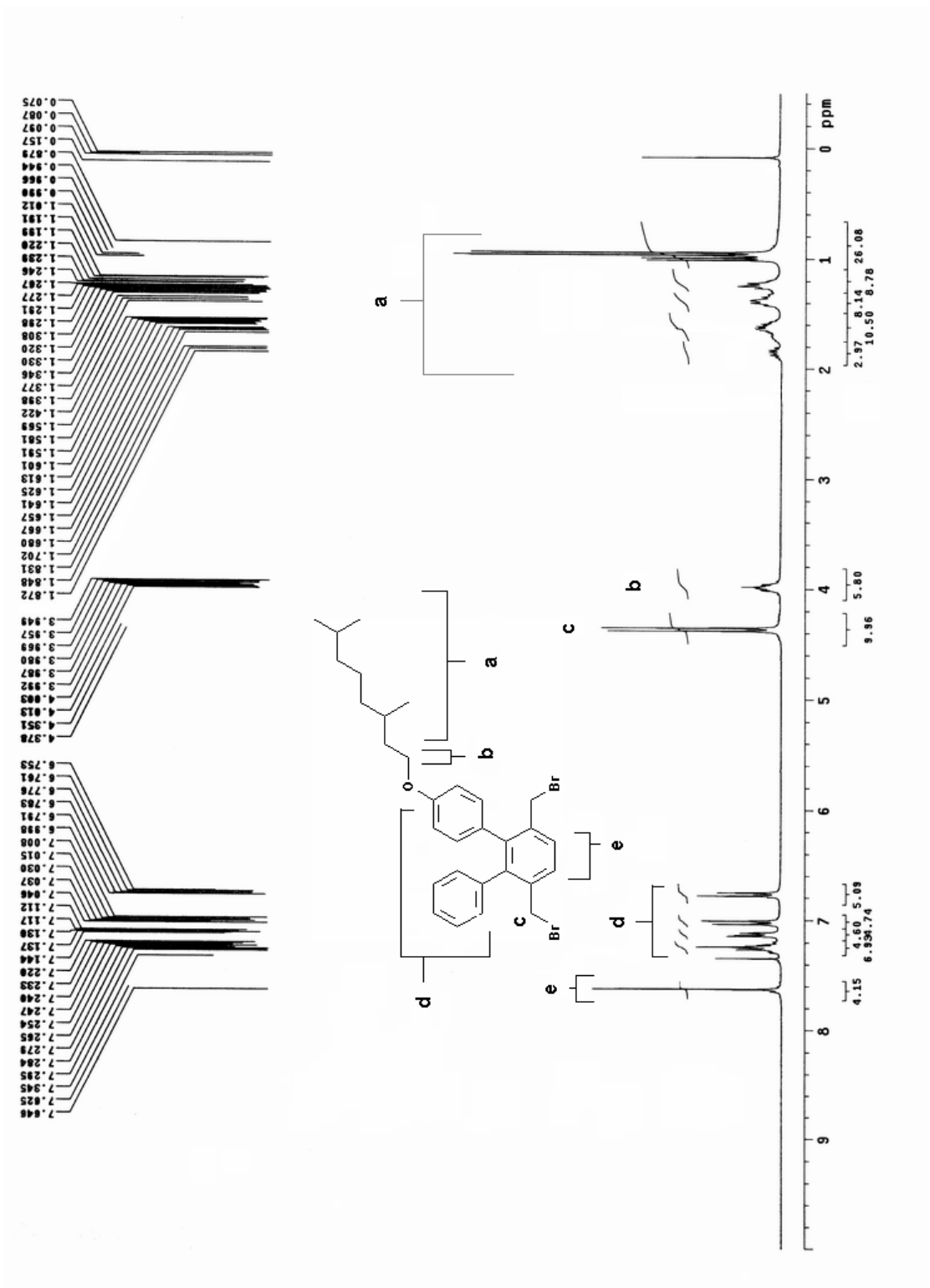
Mass Spectrum J
 Scan# : 1 Temp : 0.0 deg.C
 RT : 0.00 min
 in Mode : FAB+ Spec. Type : Regular
 Int. : 1.36



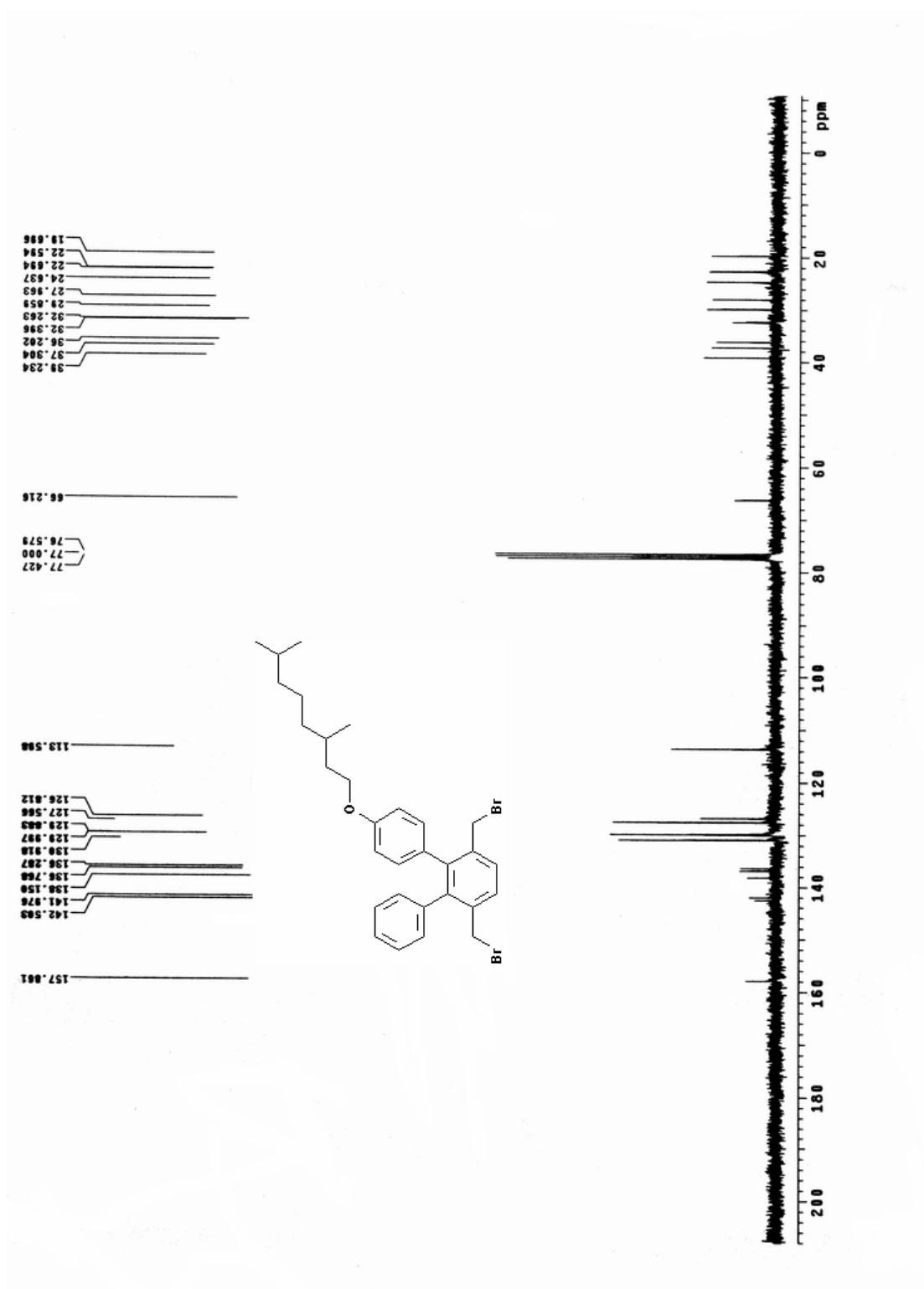
Mass Spectrum J
 Scan# : 1 Temp : 0.0 deg.C
 RT : 0.00 min
 in Mode : FAB+ Spec. Type : Regular
 Int. : 1.36



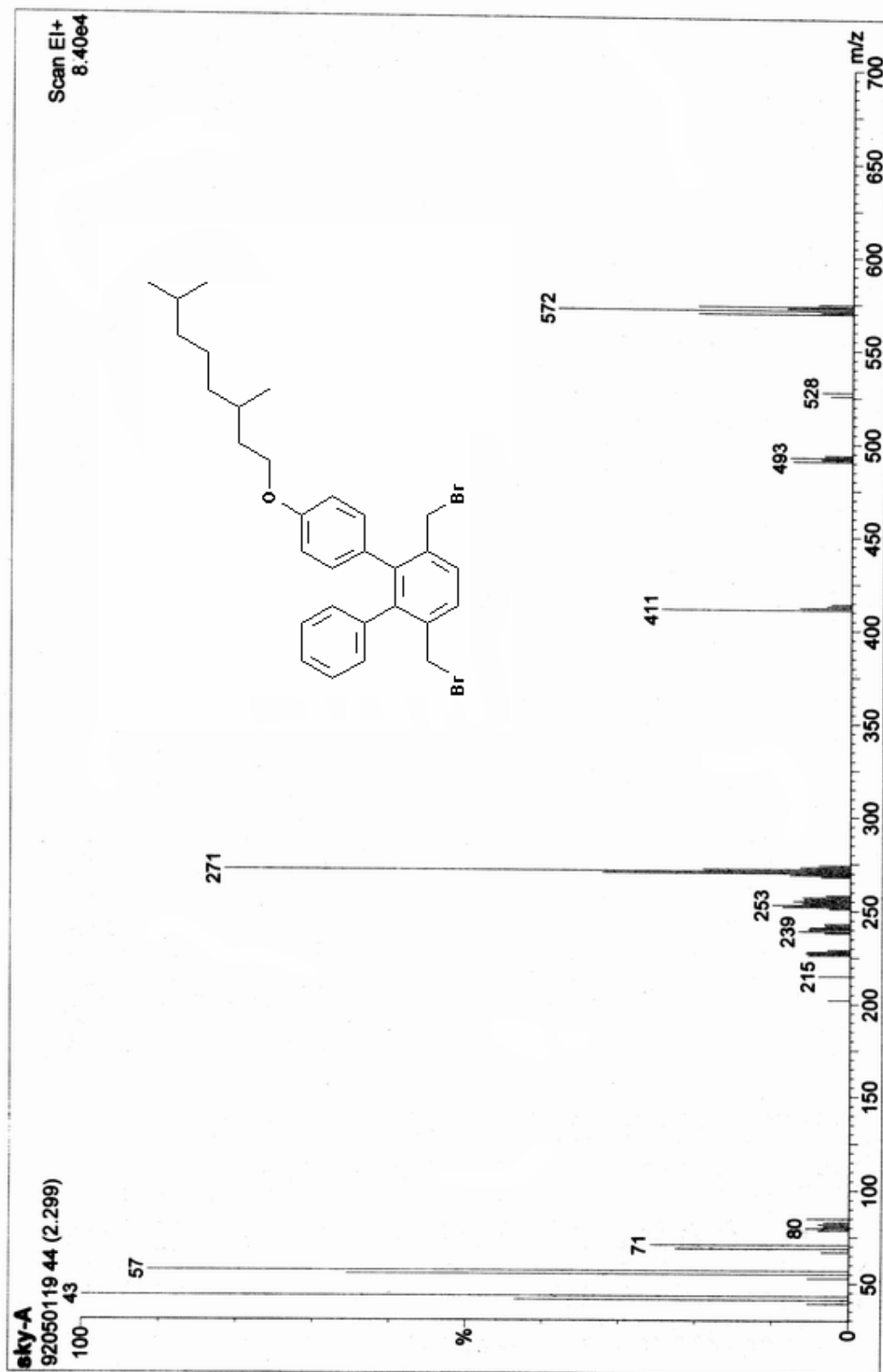
附圖 6. FAB spectrum of M2



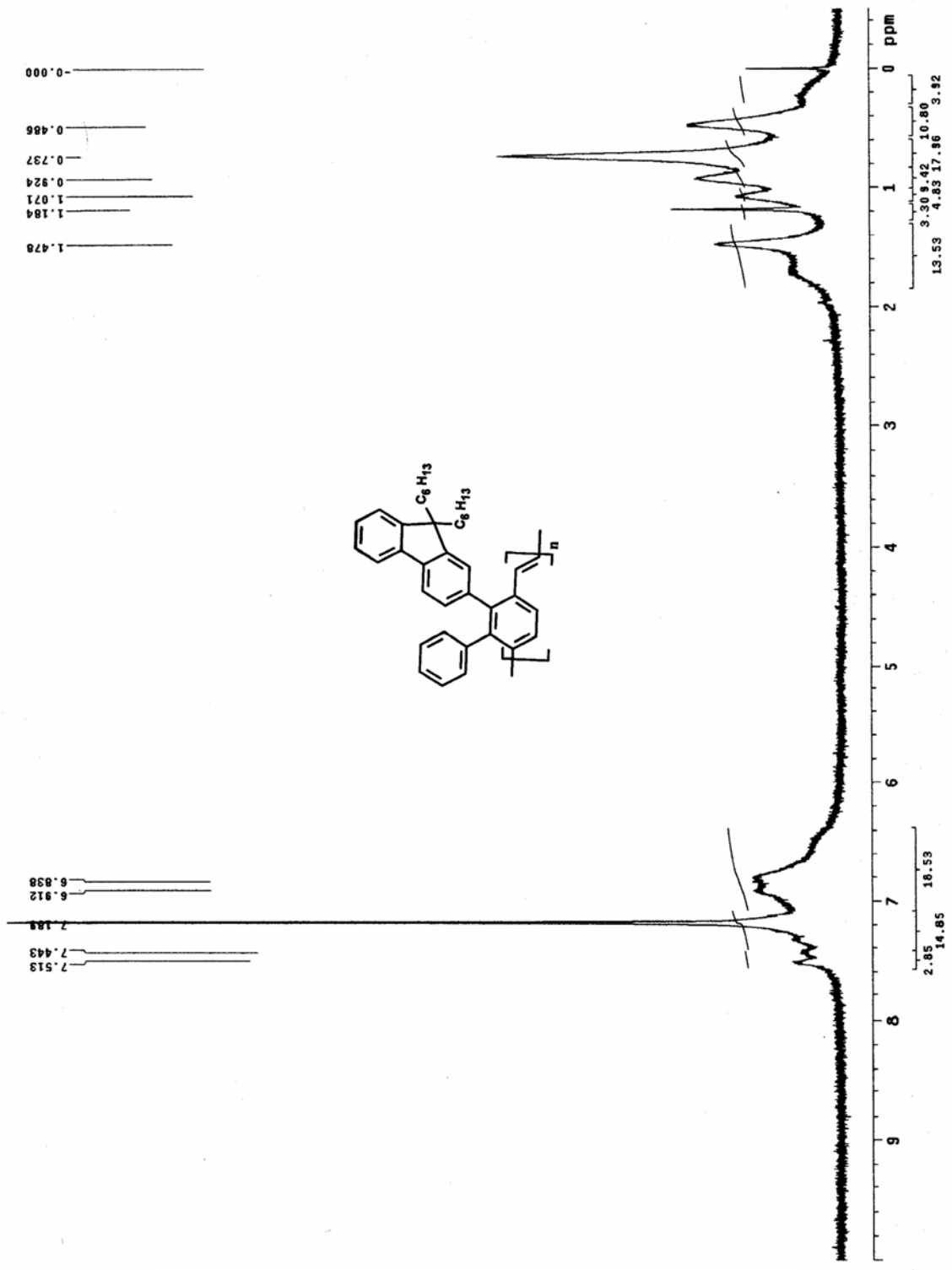
附圖 7. ¹H-NMR spectrum of M3



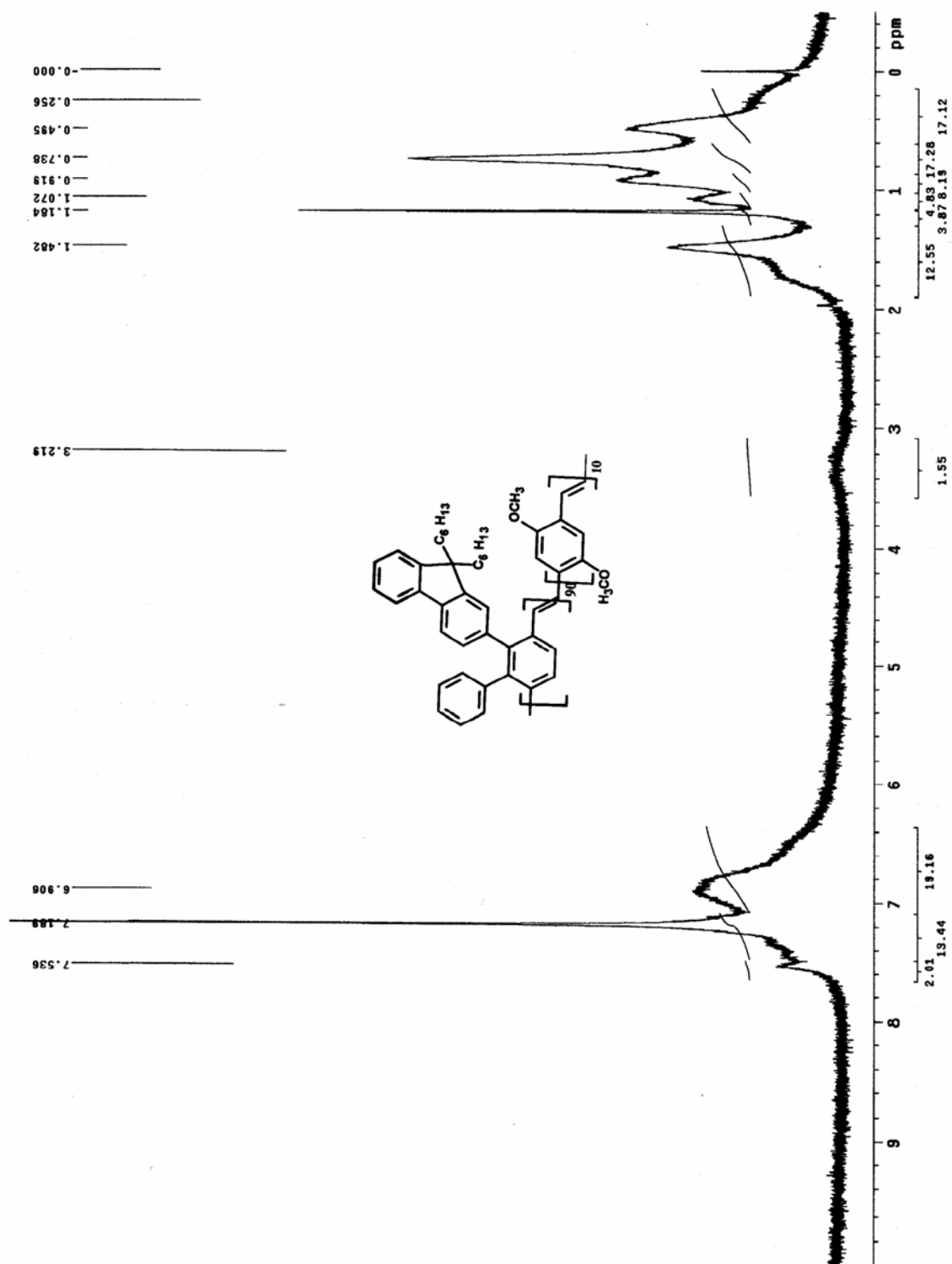
附圖 8. $^{13}\text{C-NMR}$ spectrum of M3



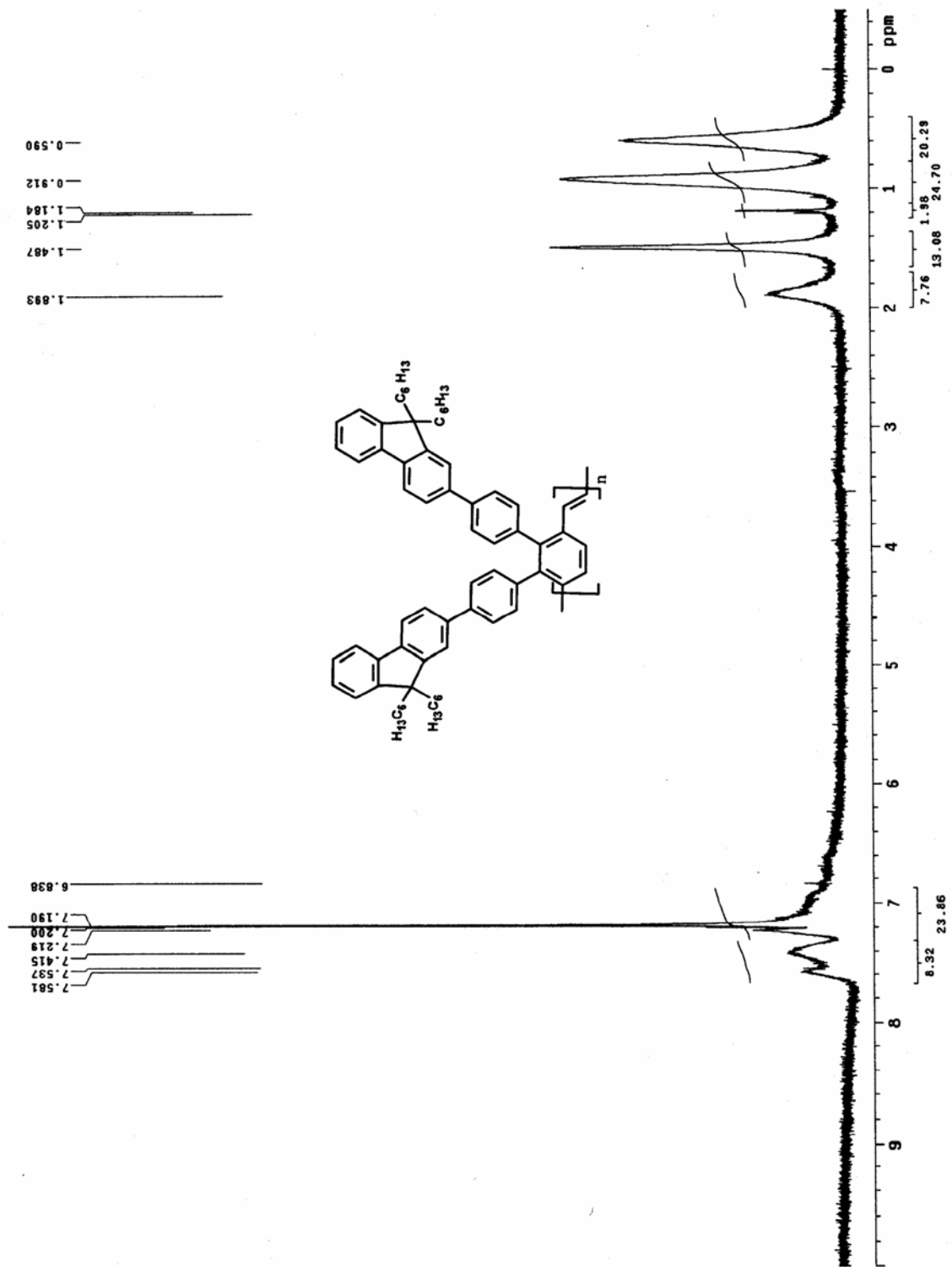
附圖 9. Mass spectrum of M3



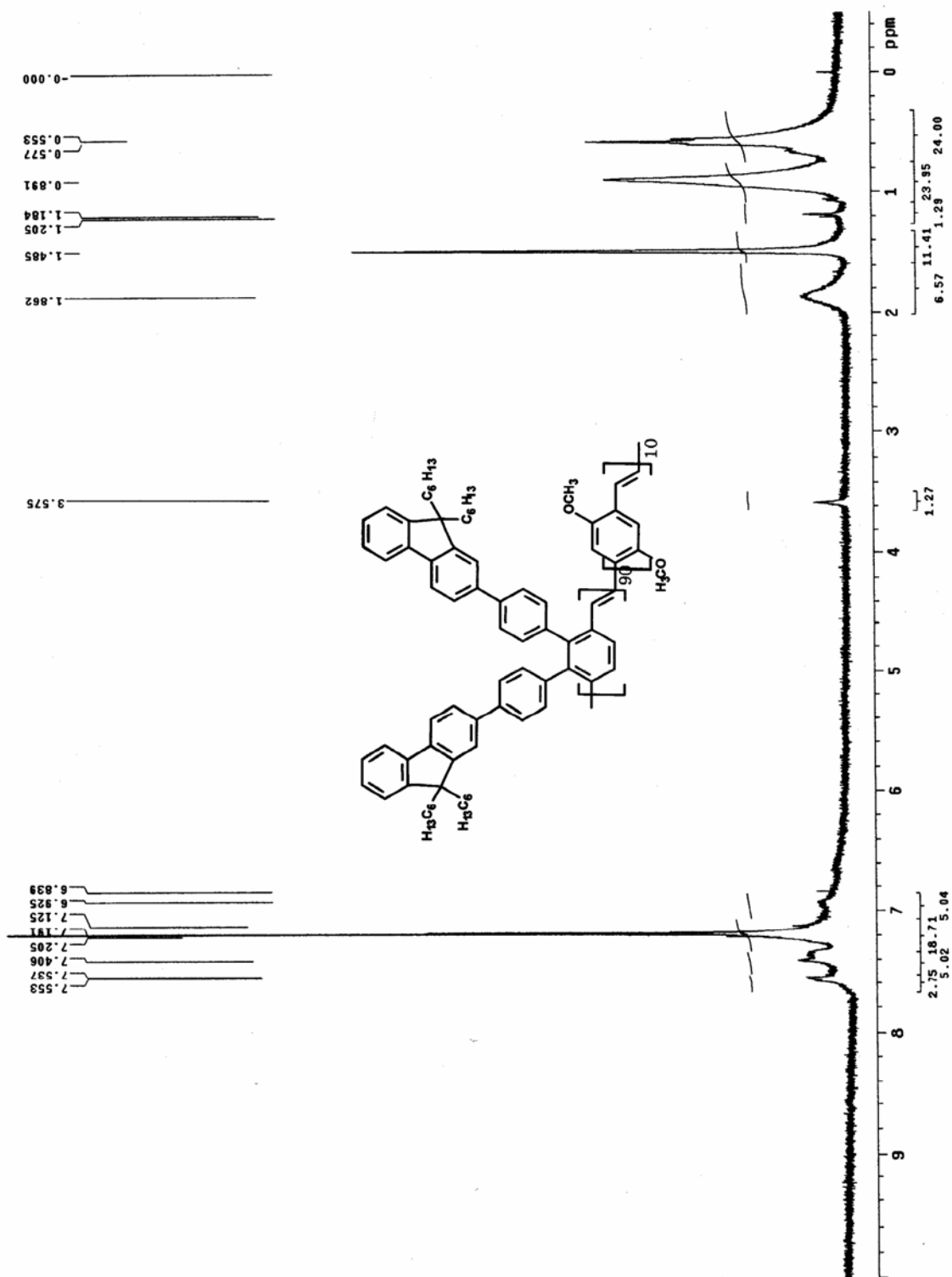
附圖 10. ¹H-NMR spectrum of P1



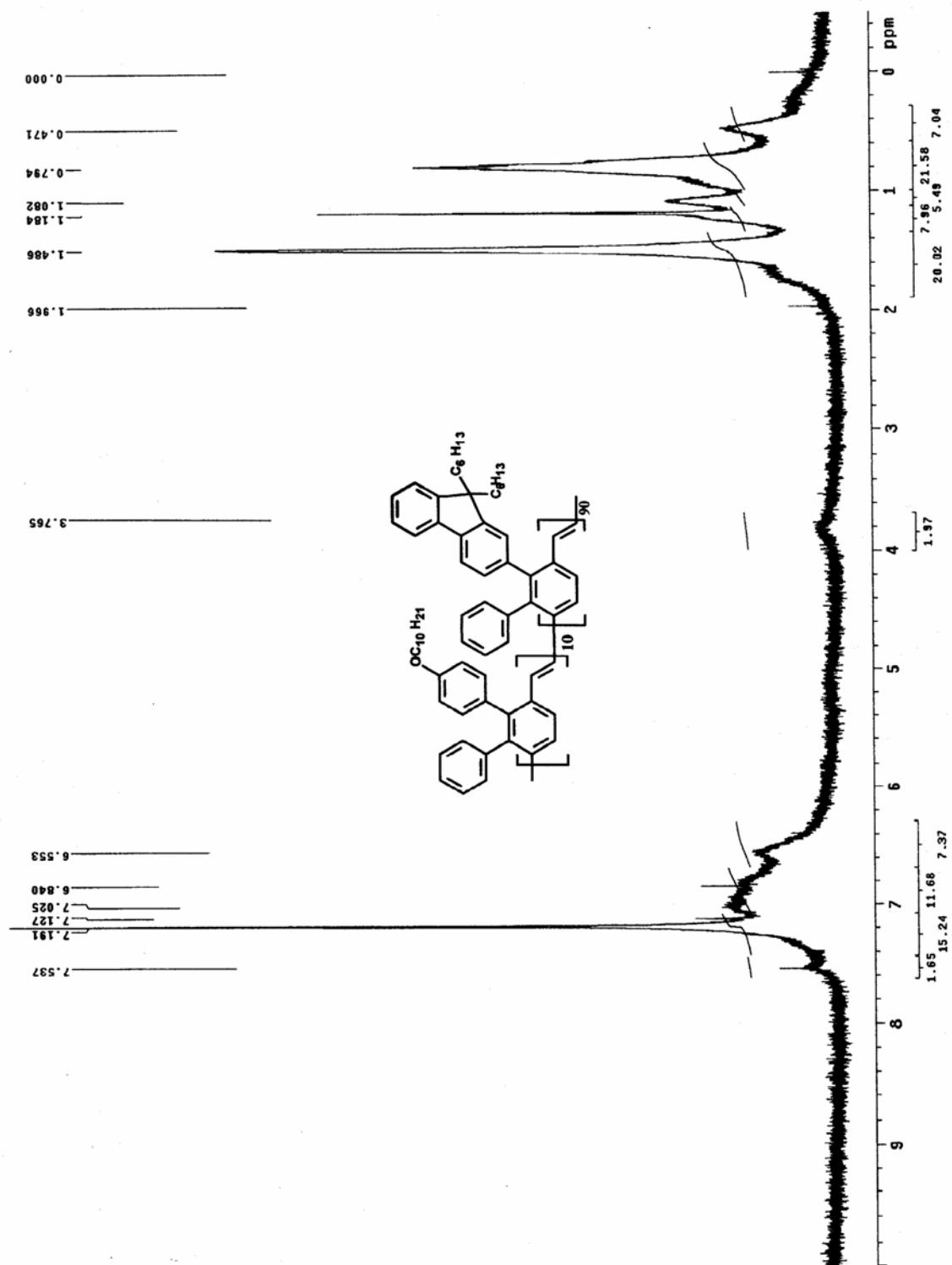
附圖 11. $^1\text{H-NMR}$ spectrum of P2



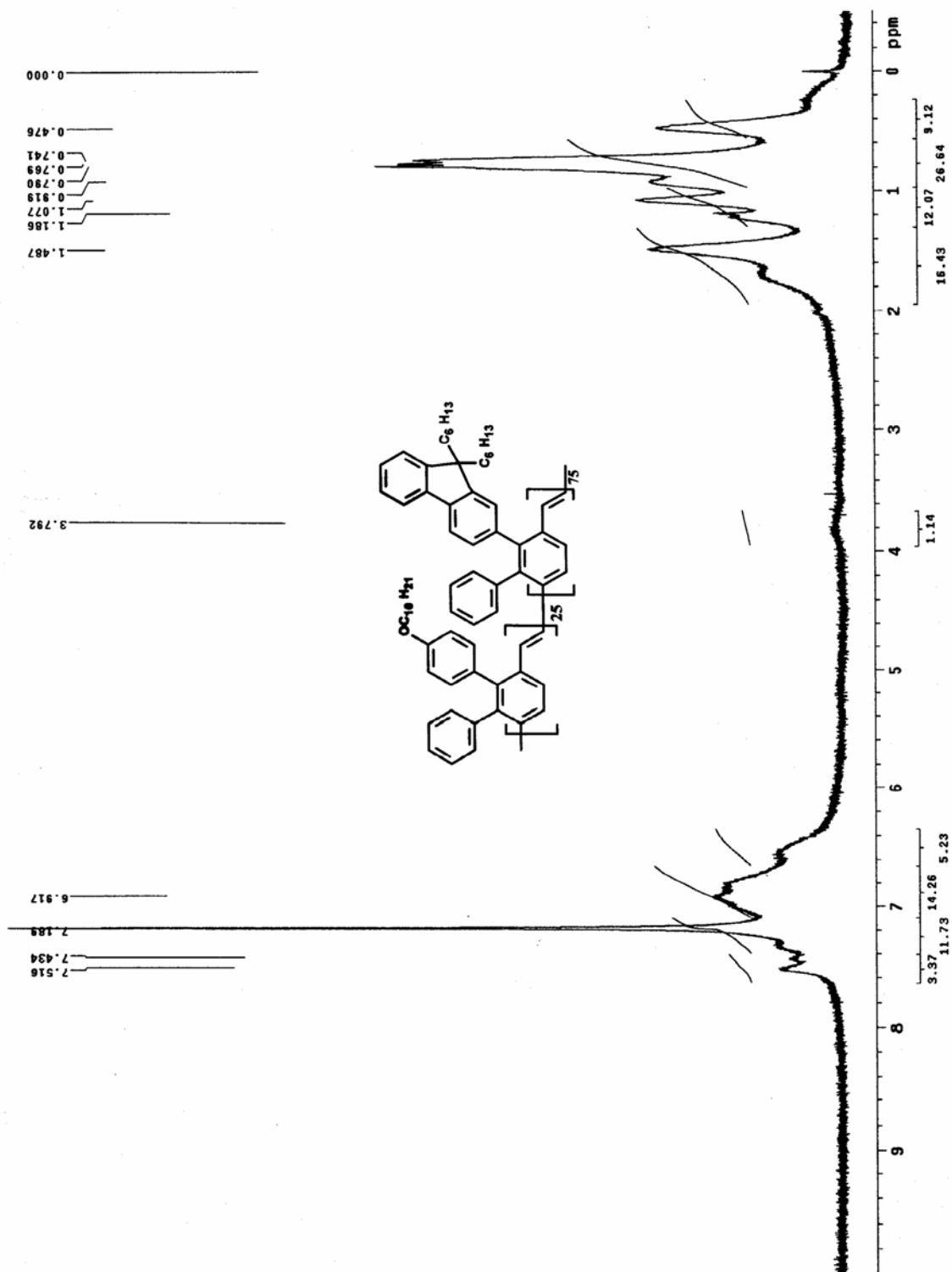
附圖 12. $^1\text{H-NMR}$ spectrum of P3



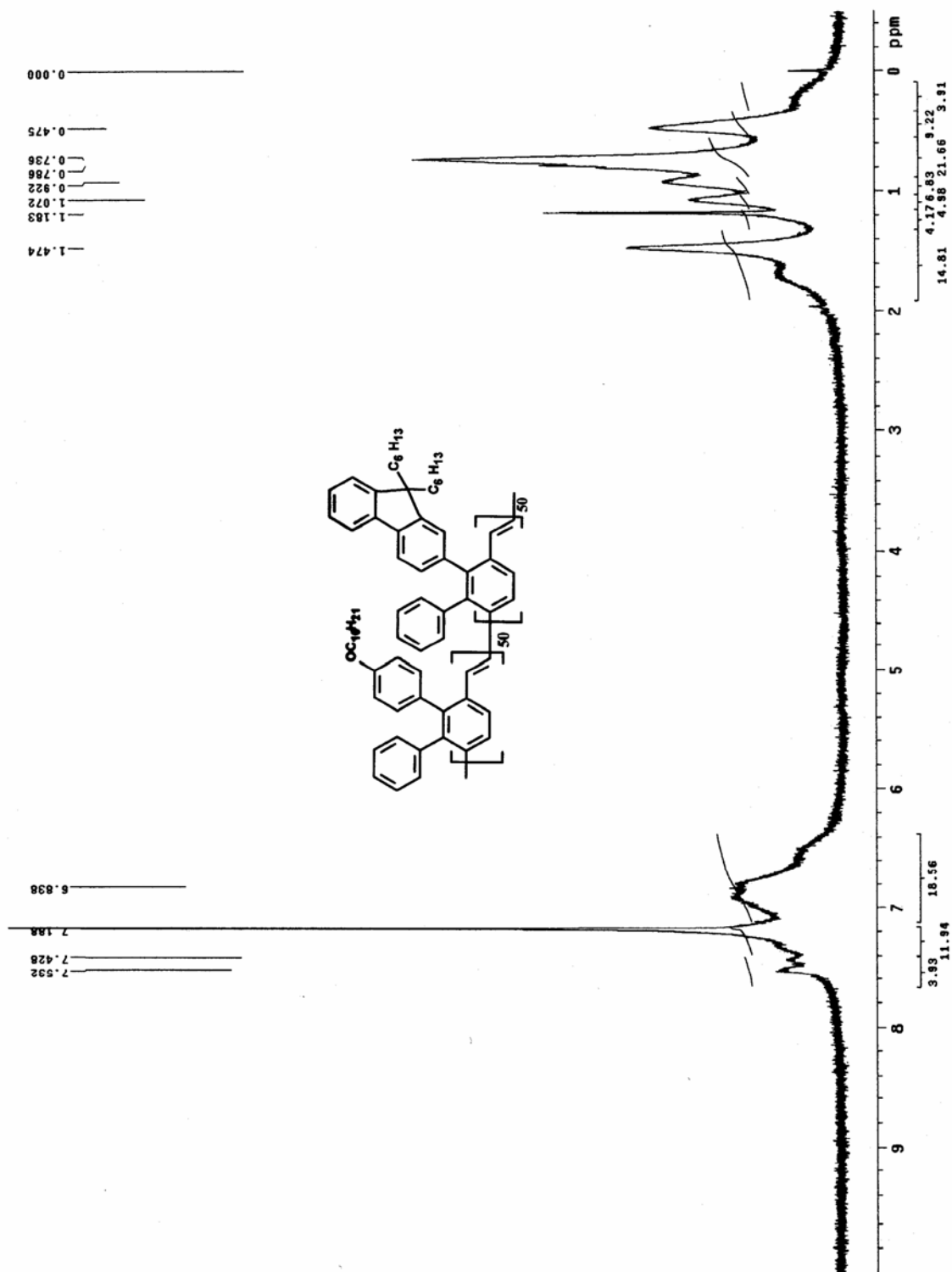
附圖 13. $^1\text{H-NMR}$ spectrum of P4



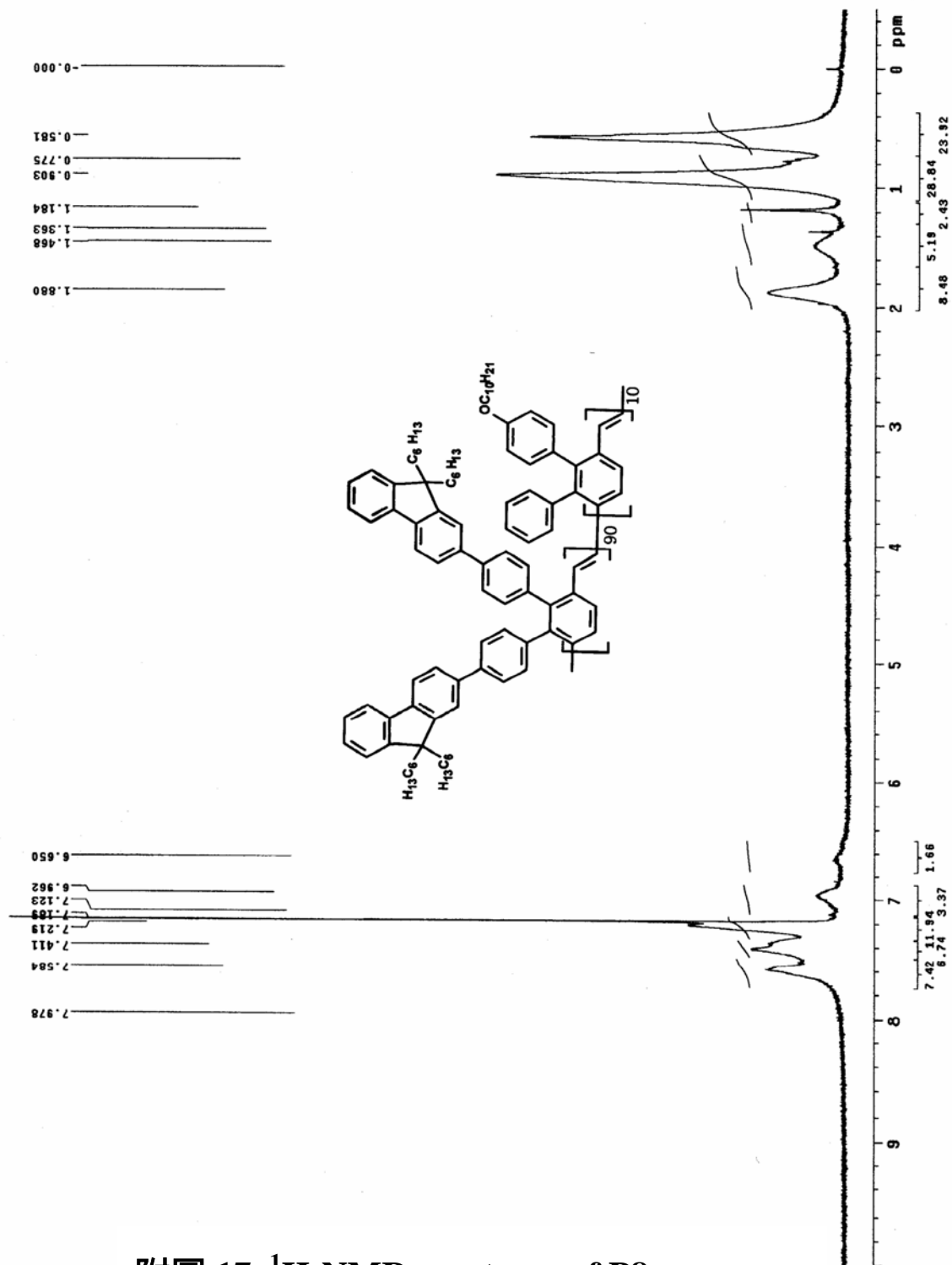
附圖 14. $^1\text{H-NMR}$ spectrum of P5



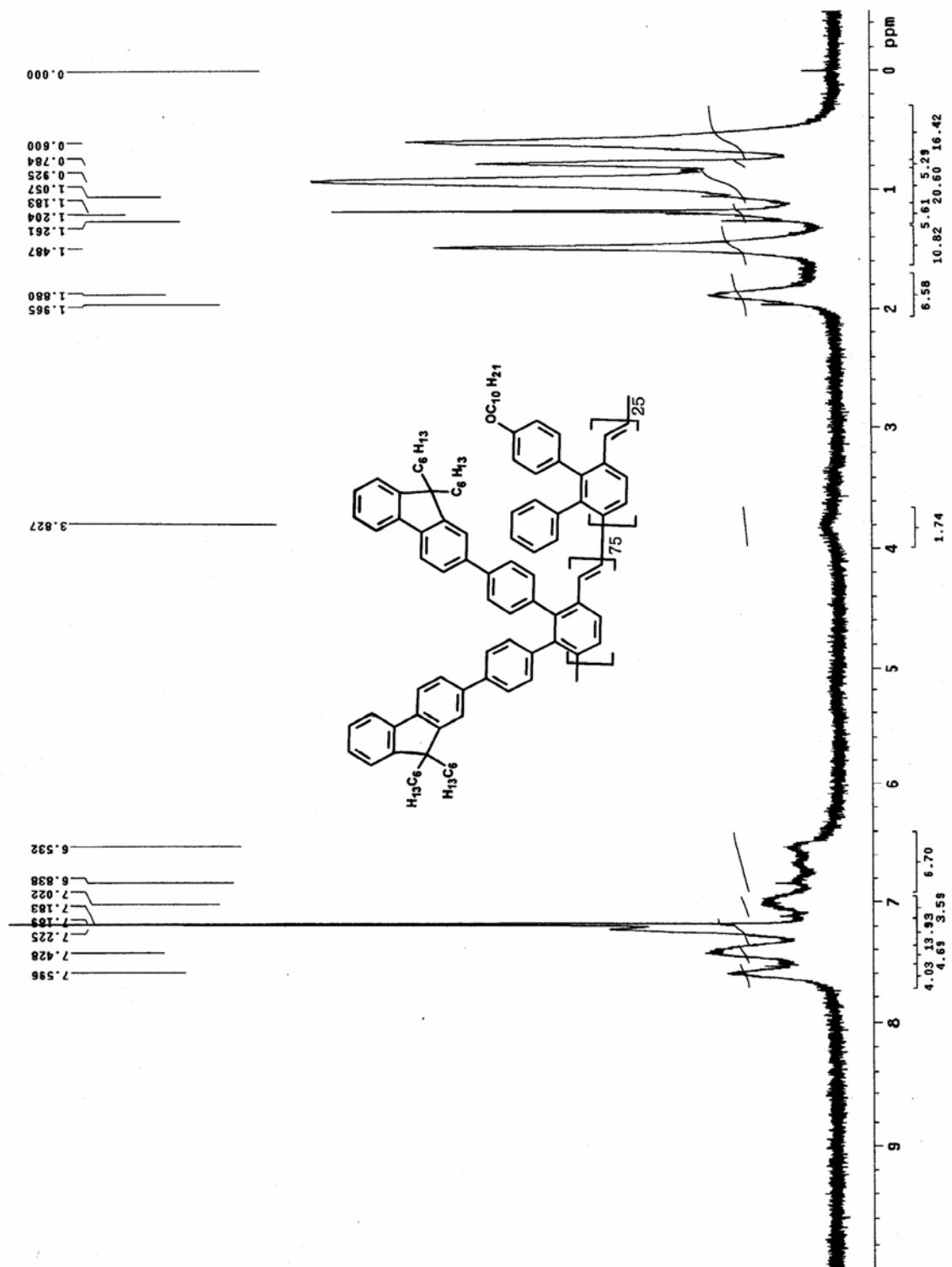
附圖 15. $^1\text{H-NMR}$ spectrum of P6



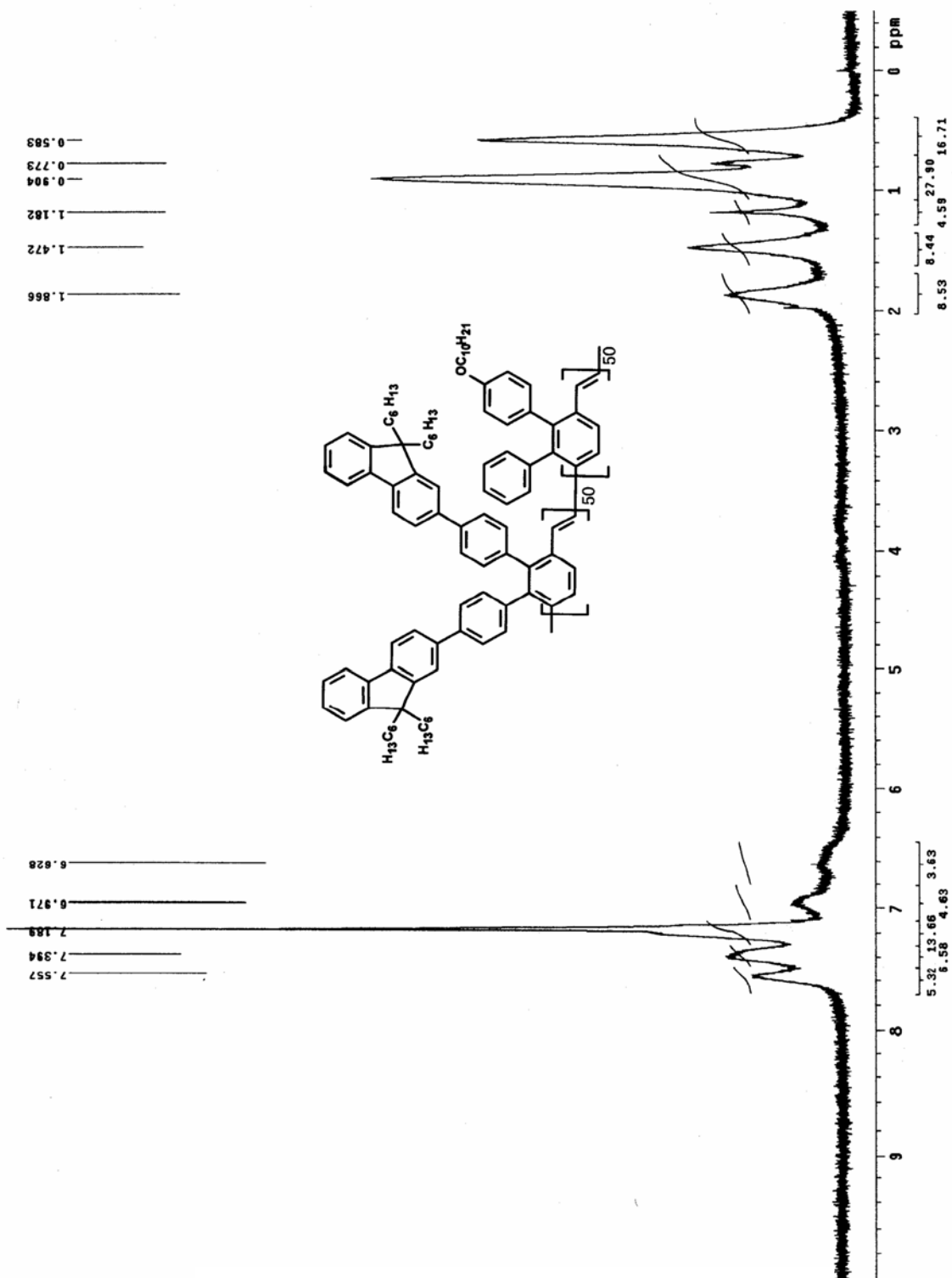
附圖 16. $^1\text{H-NMR}$ spectrum of P7



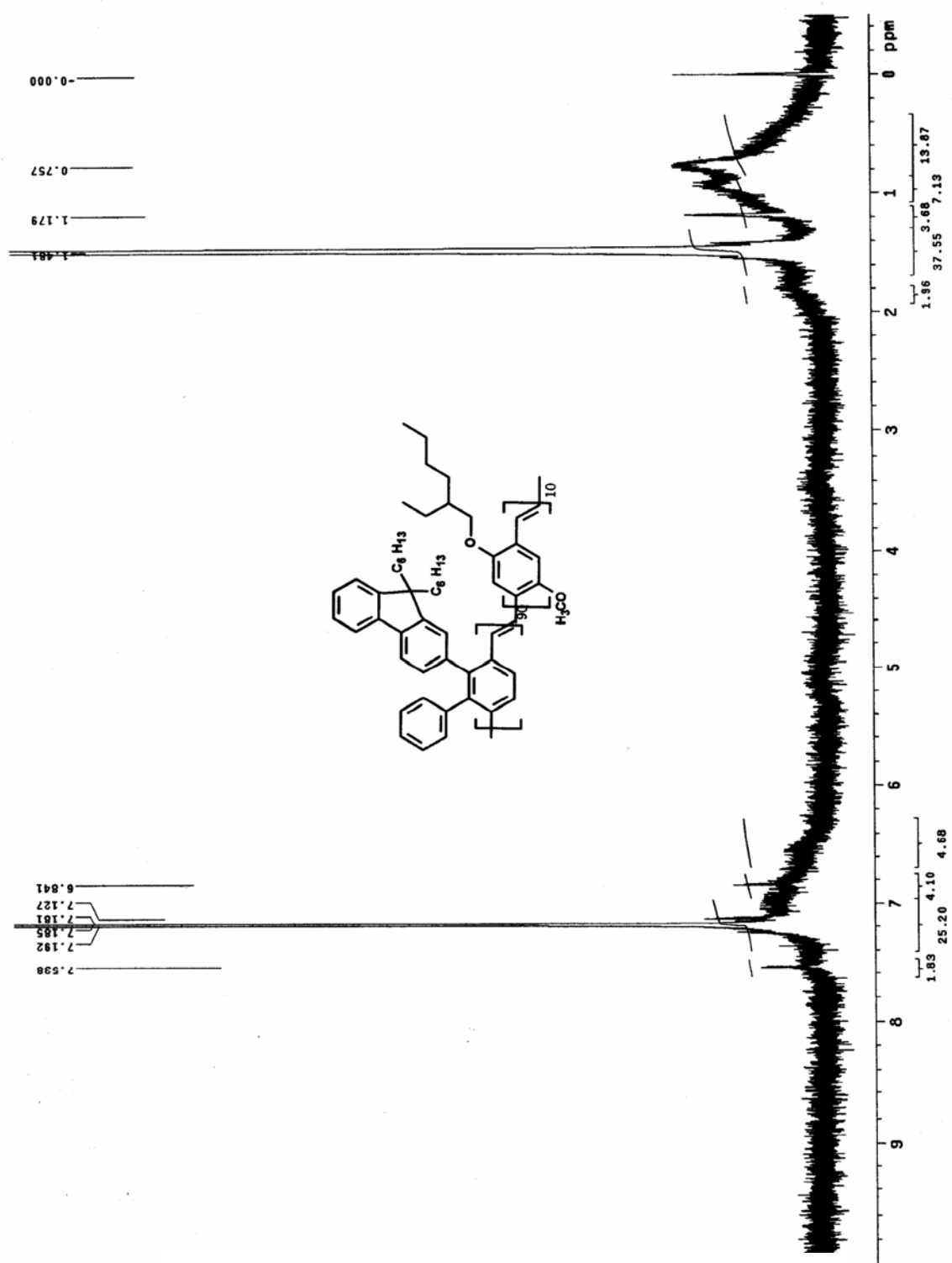
附圖 17. $^1\text{H-NMR}$ spectrum of P8



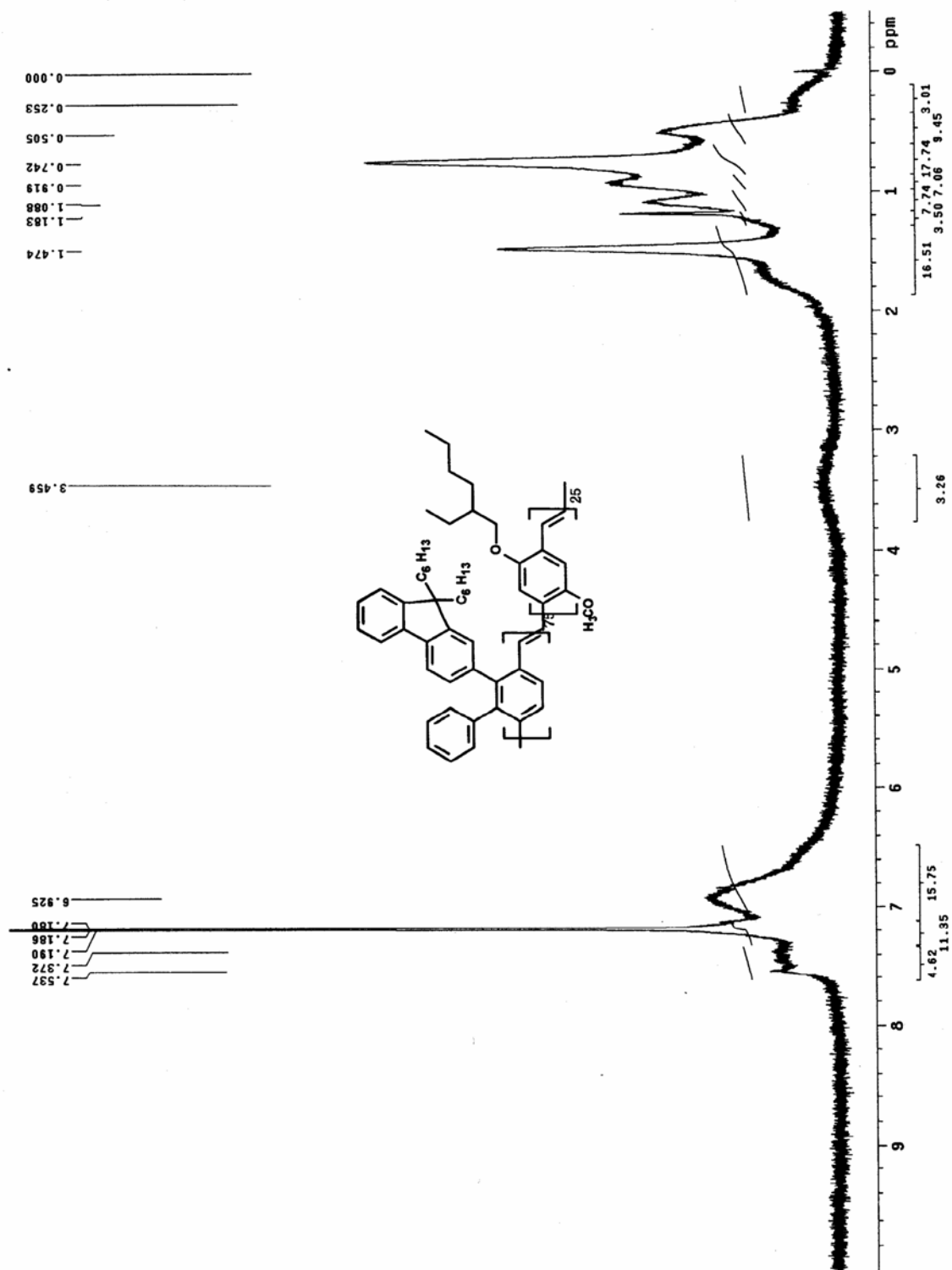
附圖 18. $^1\text{H-NMR}$ spectrum of P9



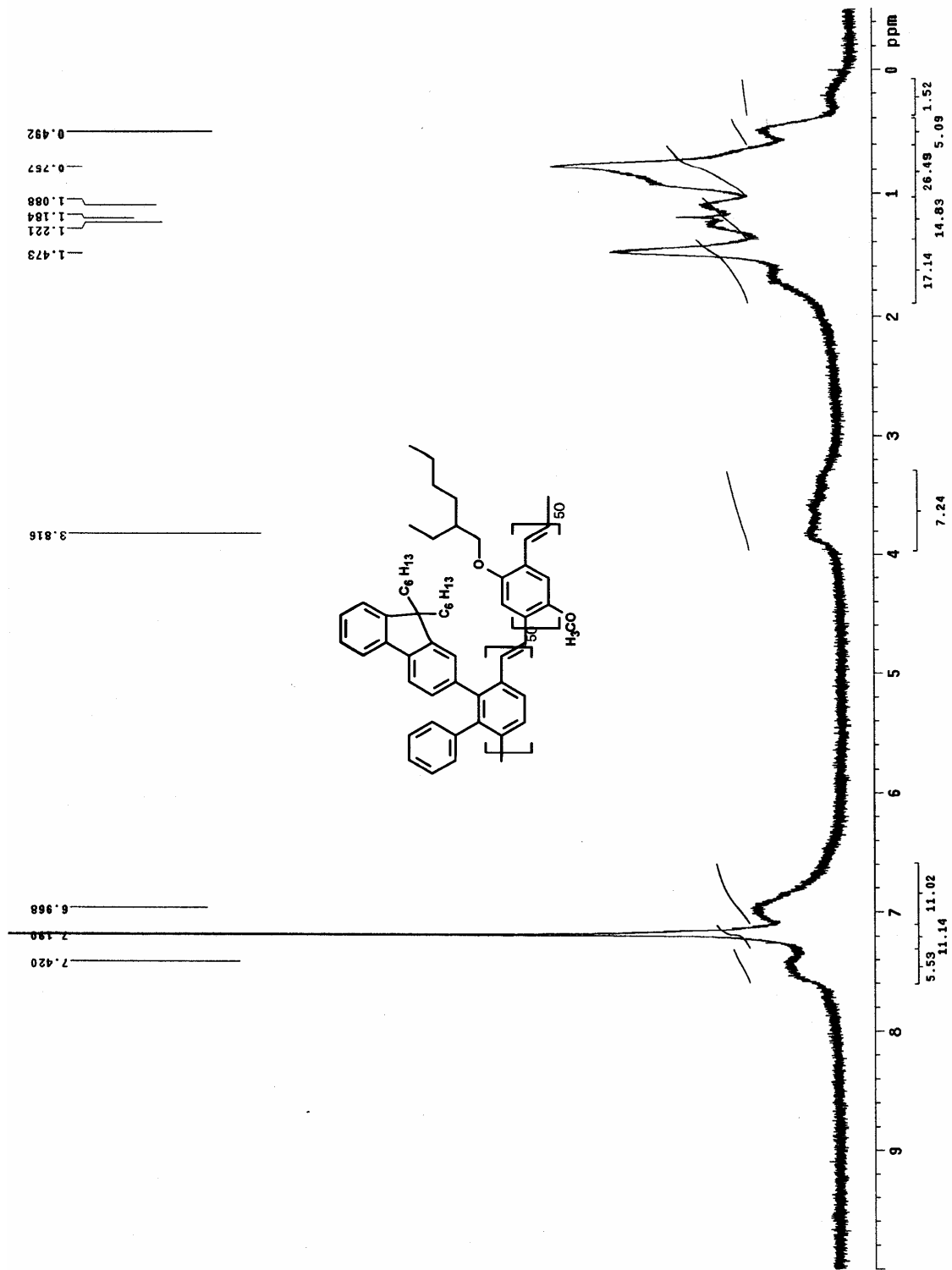
附圖 19. $^1\text{H-NMR}$ spectrum of P10



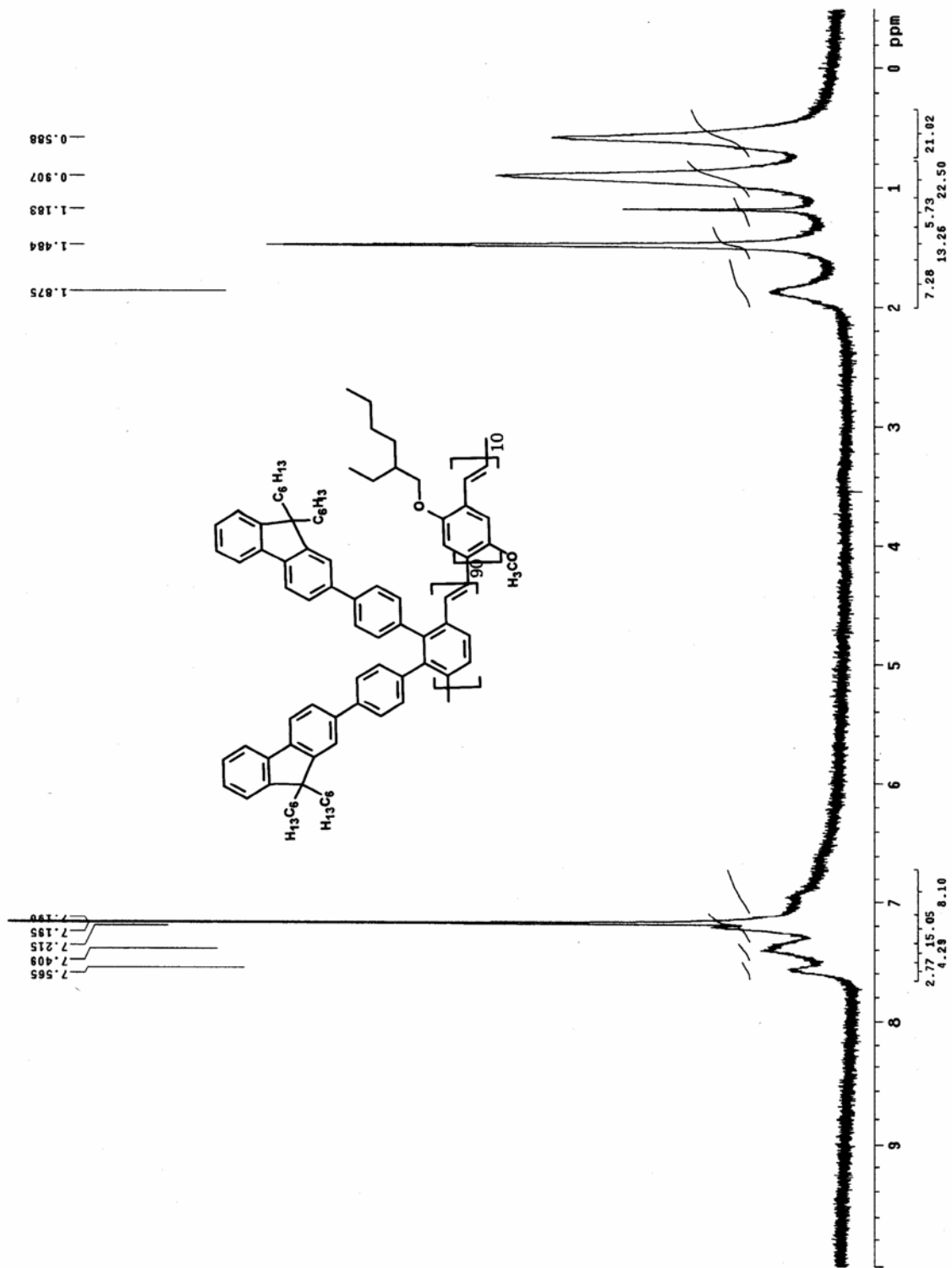
附圖 20. $^1\text{H-NMR}$ spectrum R of P11



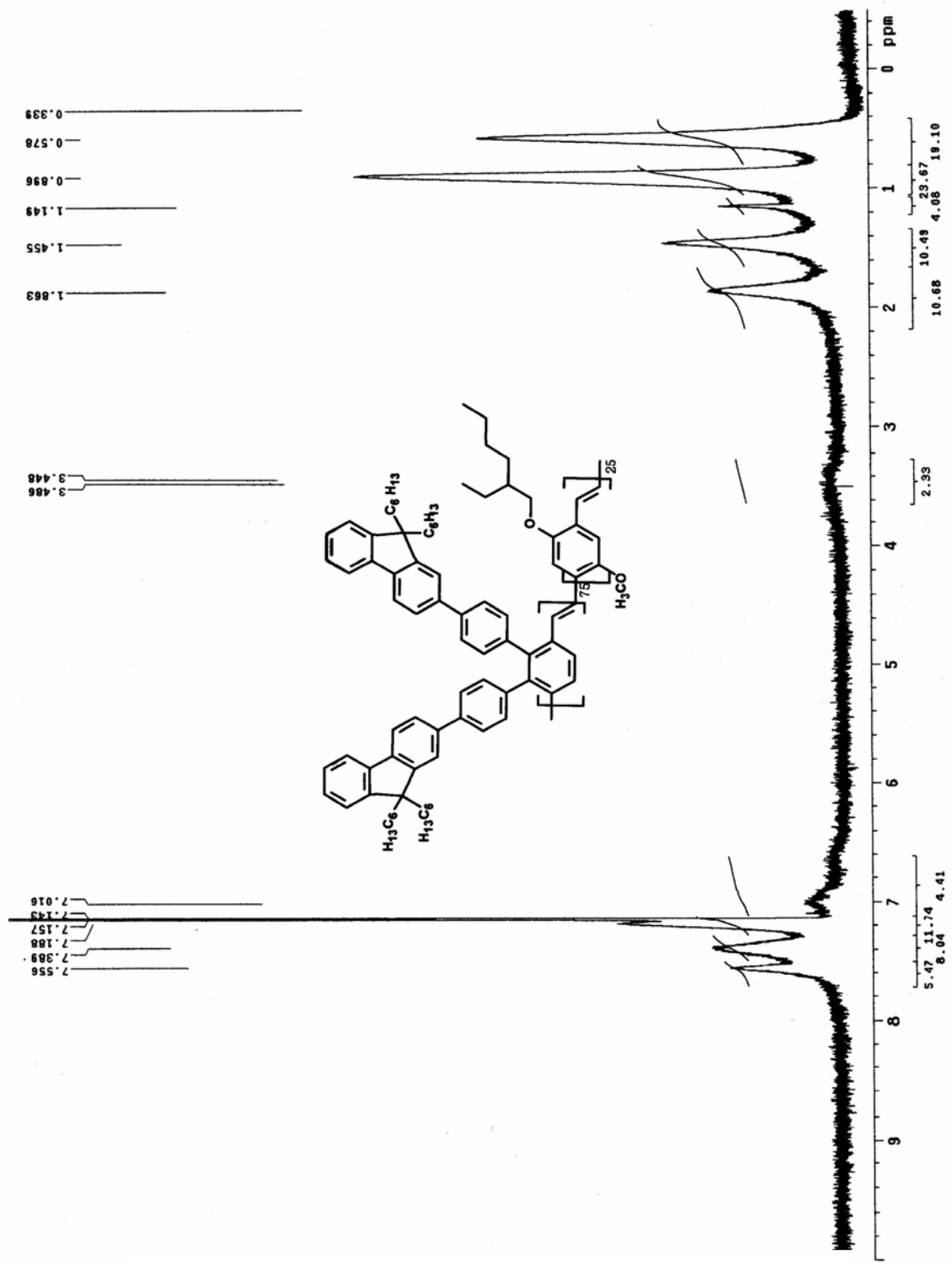
附圖 21. ¹H-NMR spectrum of P12



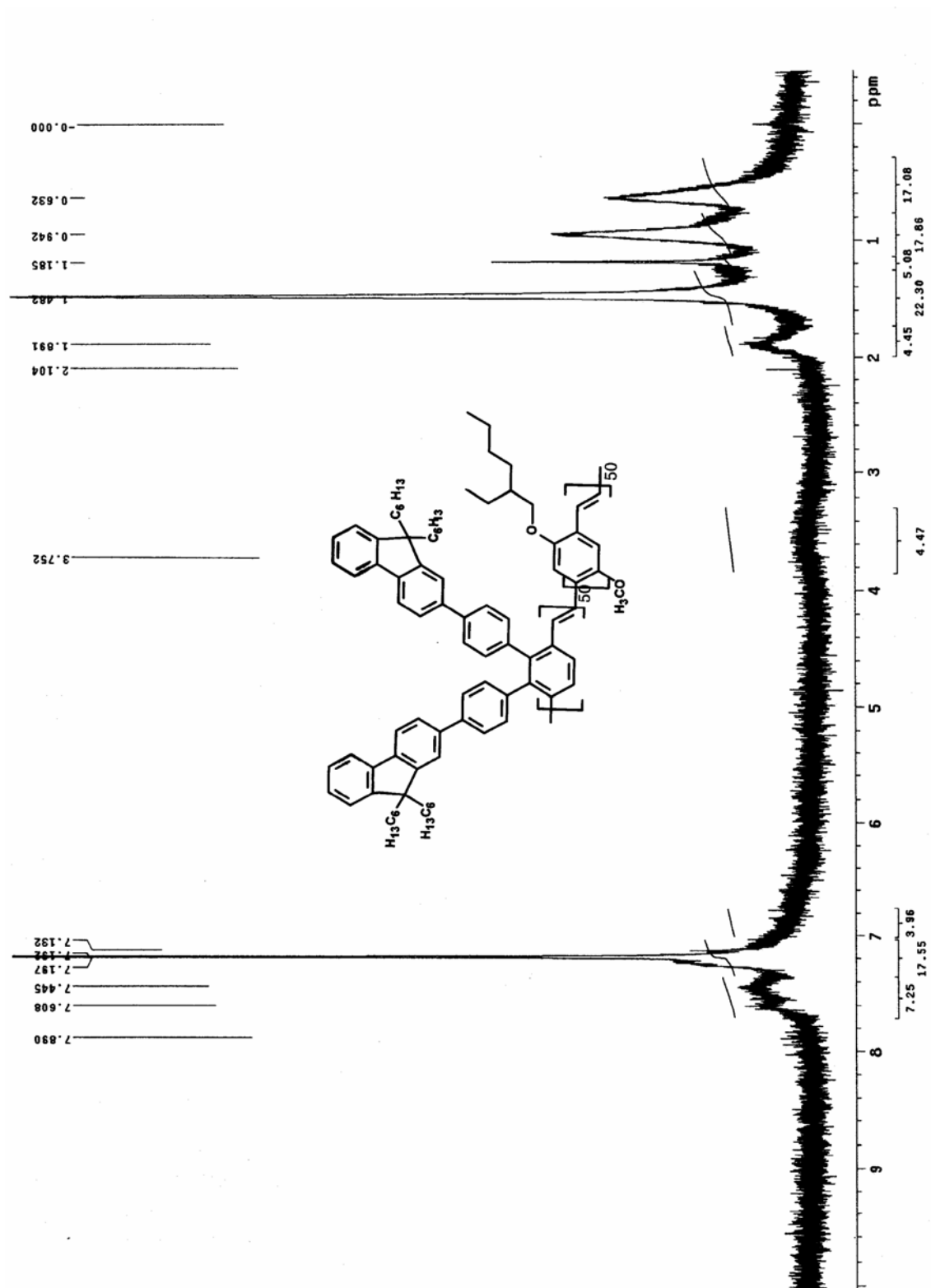
附圖 22. ¹H-NMR spectrum of P13



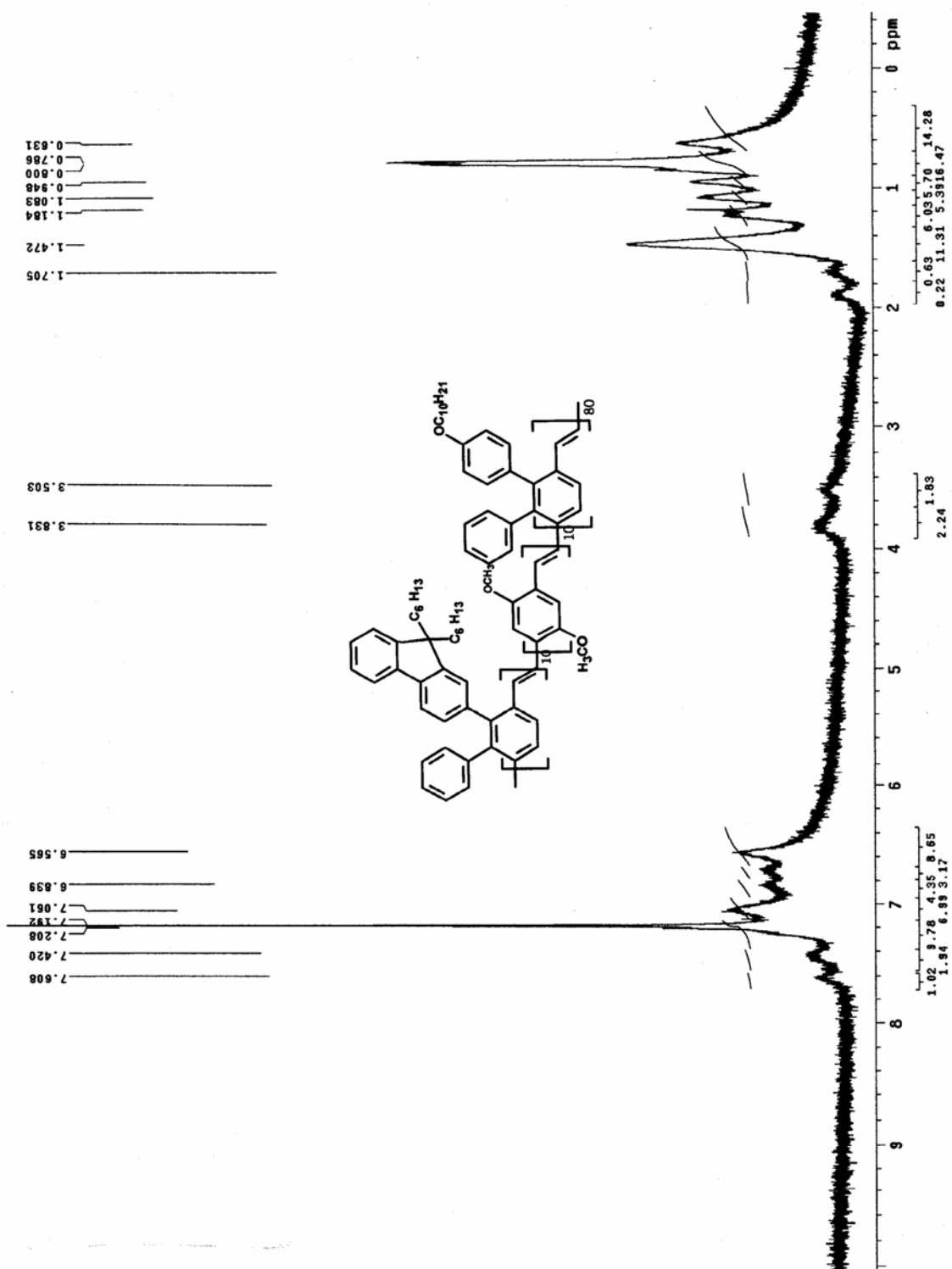
附圖 23. $^1\text{H-NMR}$ spectrum of P14



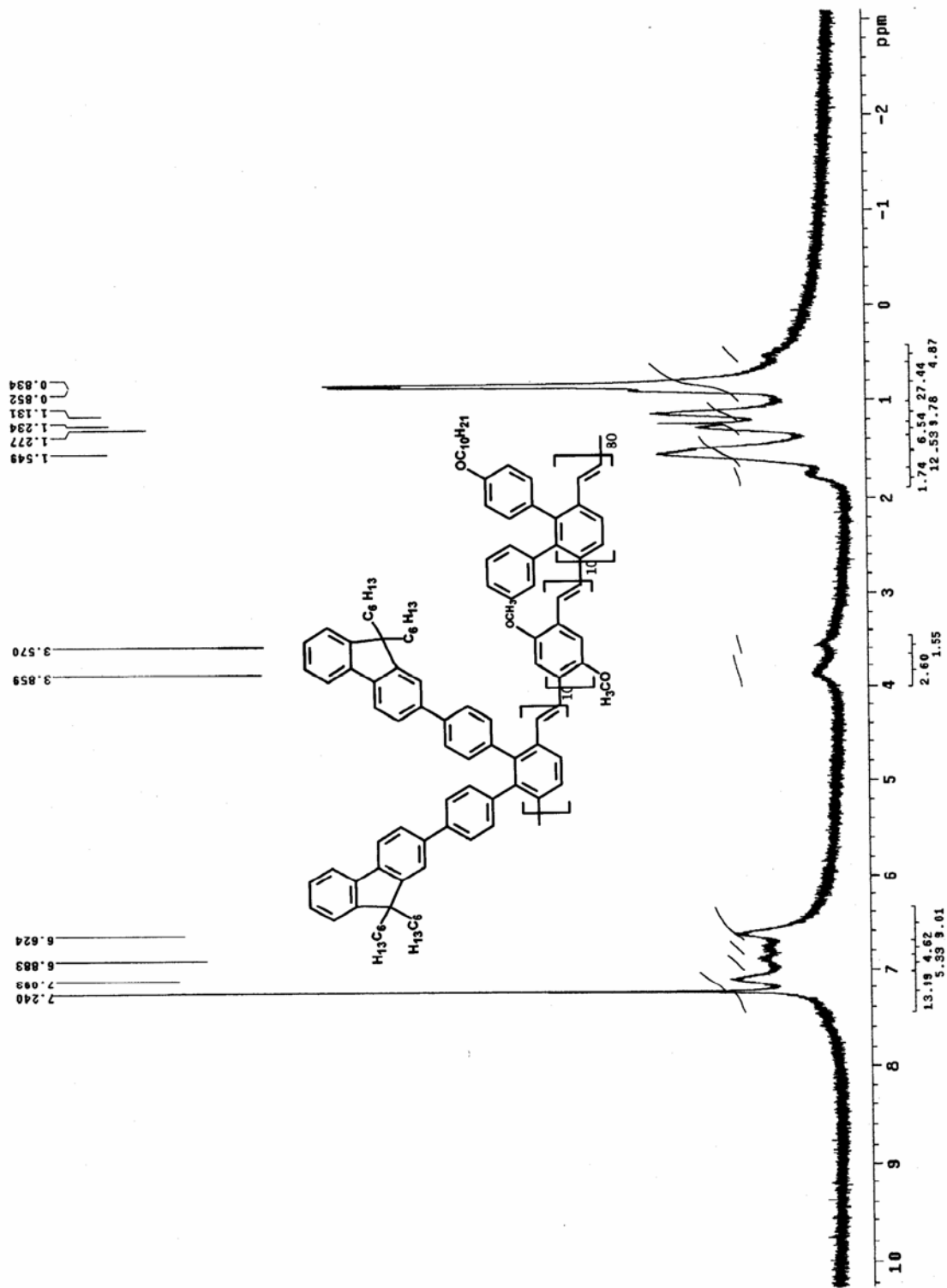
附圖 24. ¹H-NMR spectrum of P15



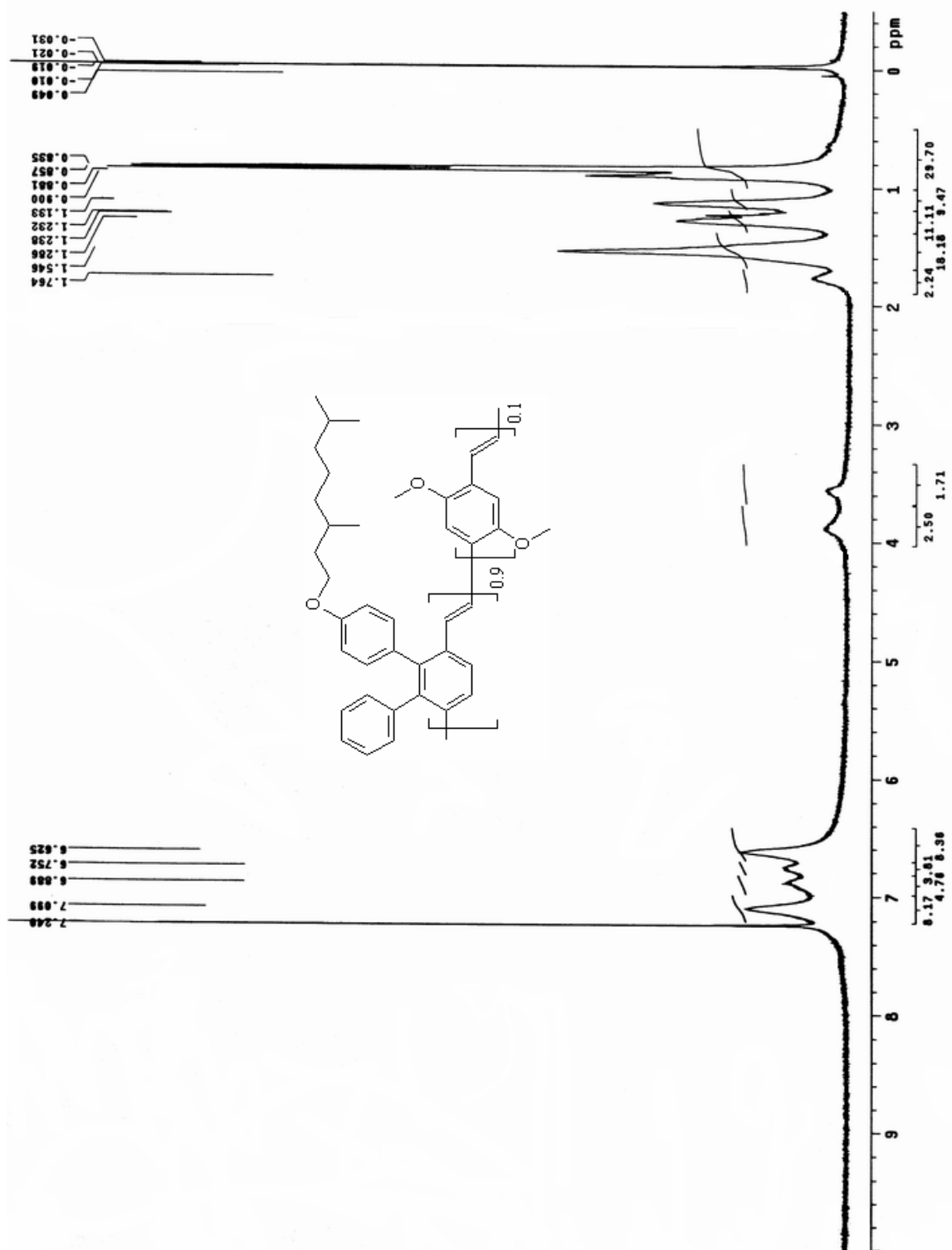
附圖 25. $^1\text{H-NMR}$ spectrum of P16



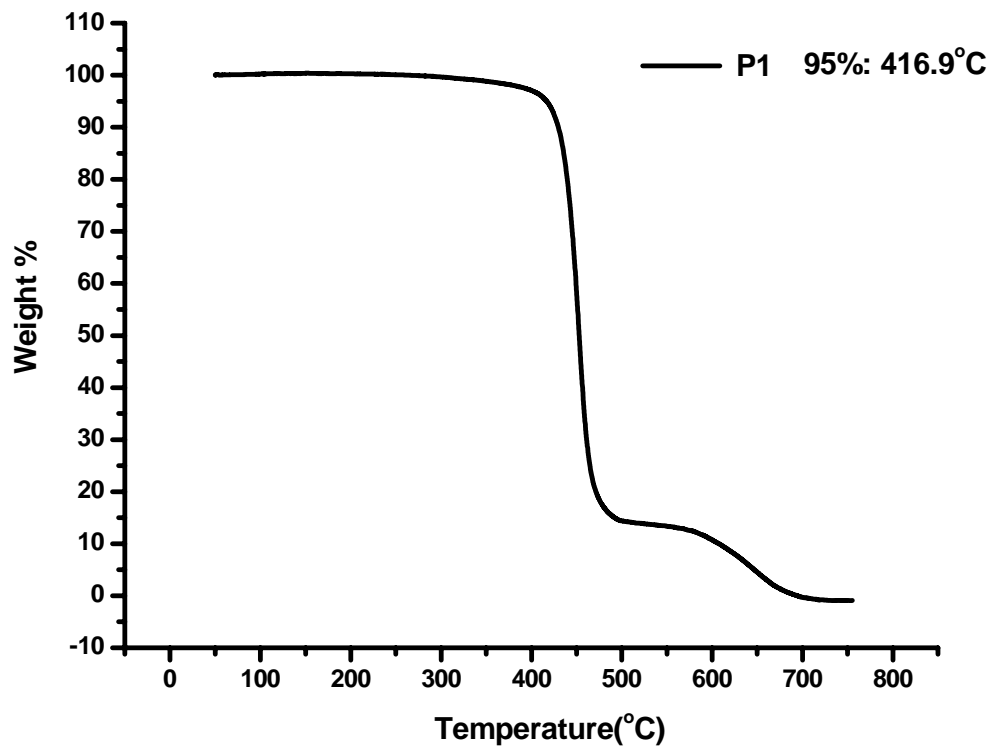
附圖 26. ¹H-NMR spectrum of P17



附圖 27. ¹H-NMR spectrum of P18



附圖 28. $^1\text{H-NMR}$ spectrum of P19

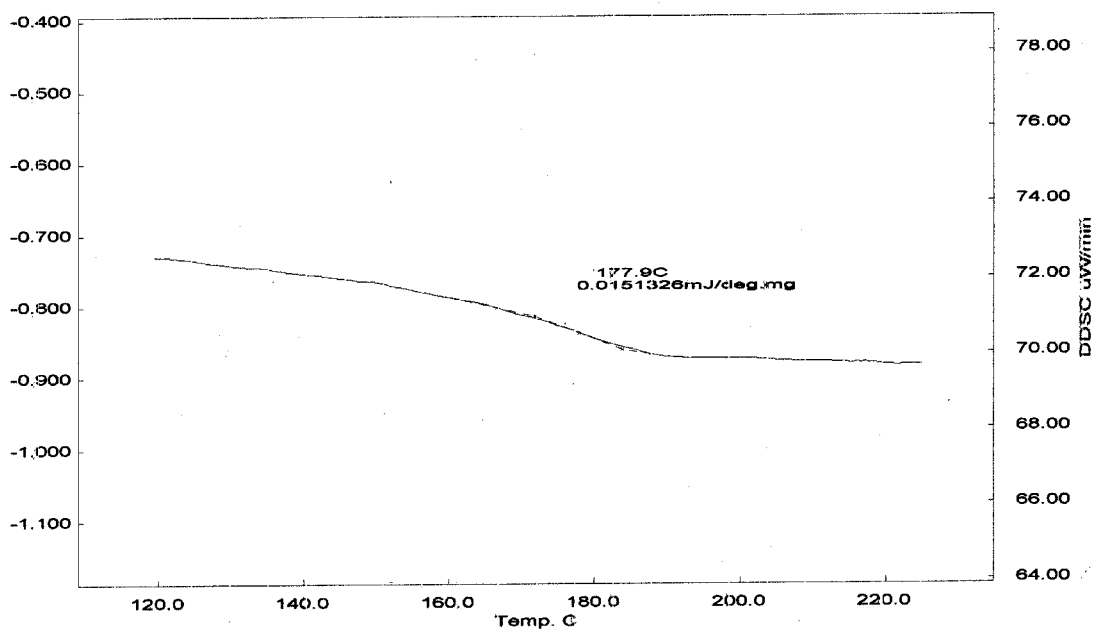


附圖 29. TGA thermogram of P1

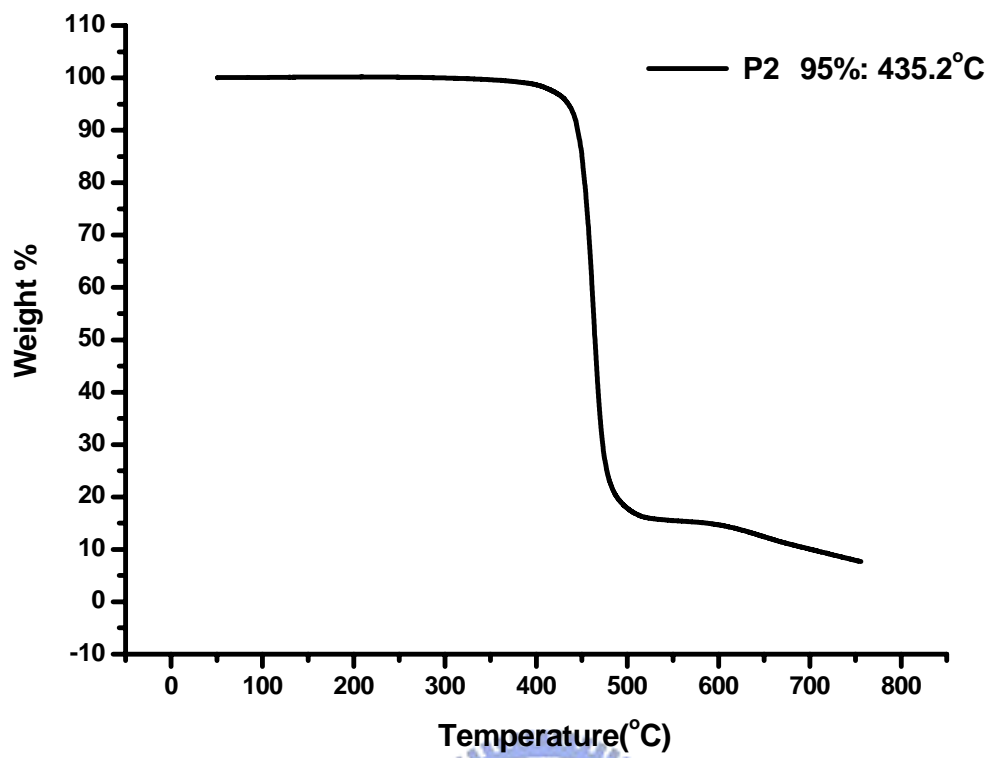
DSC >>
 Name: P1-heating2
 4/ 4/ 3 16:41
 ple: P1
 4.37 mg
 rence: Al
 0 mg

Temperature Program:					
	[C]	[C/min]	[min]	[sec]	
1*	30	-	300	20	0.5
2*	300	-	0	40	0.5
3*	0	-	300	20	0.5
4*	300	-	25	40	0.5

Comments:
 Operator Kai



附圖 30. DSC thermogram of P1



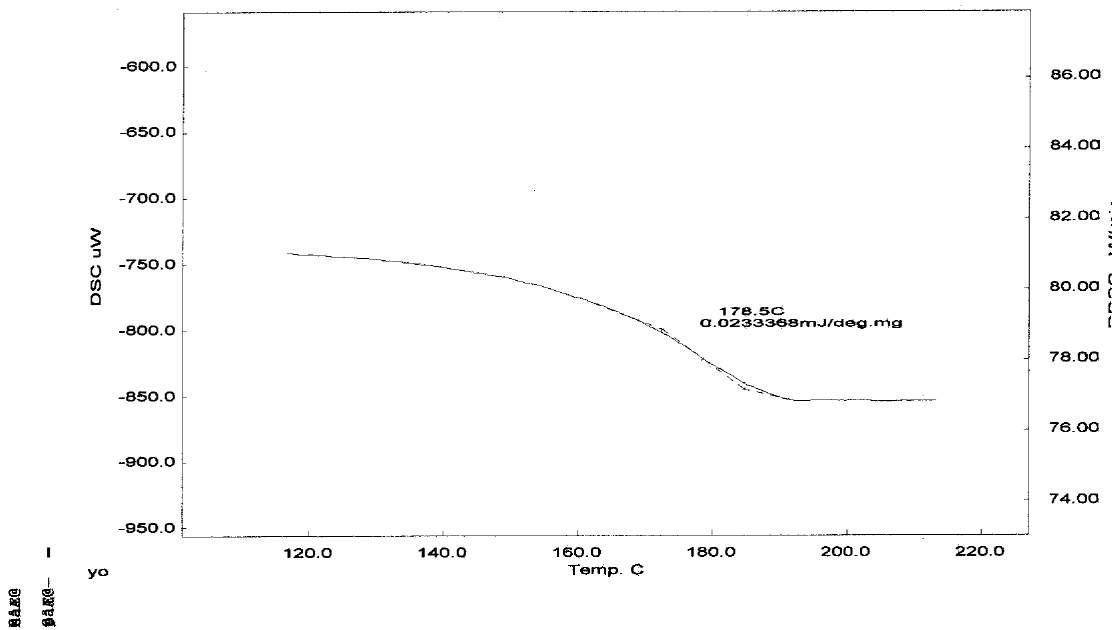
附圖 31. TGA thermogram of P2

<< DSC >>
 Data Name: P2-HEATING2
 Date: 4/ 4/ 3 18:18
 Sample: P2
 Reference: Al

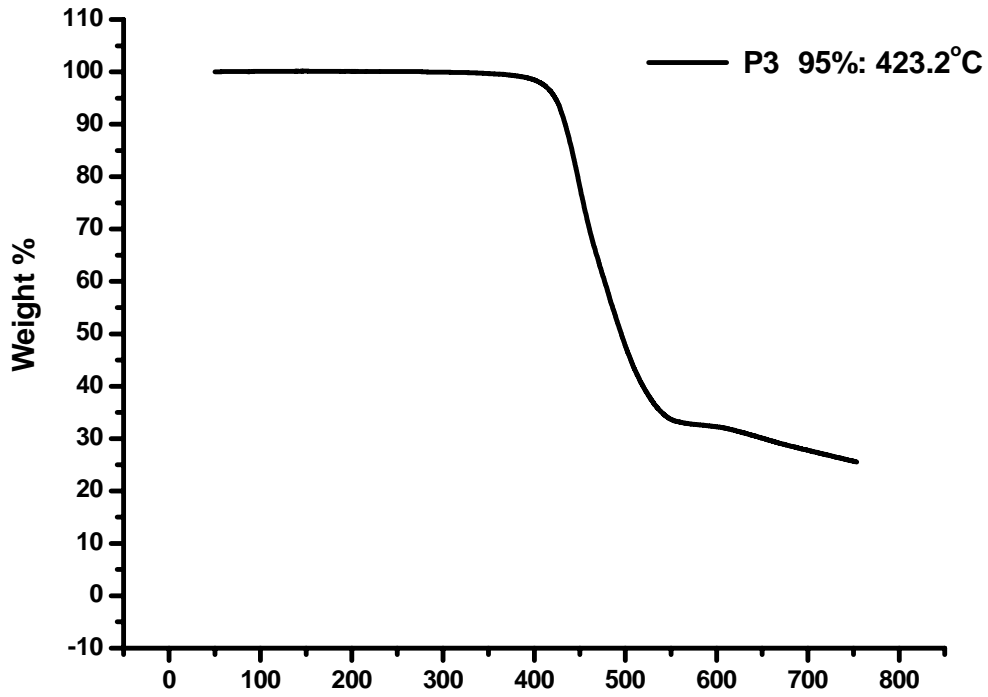
Temperature Program:			
[C]	[0min]	[min]	[sec]
1*	30	300	20 1 0.5
2*	300	0	40 1 0.5
3*	0	300	20 1 0.5
4*	300	25	40 0 0.5

Comments:
Operator Kai

3.35 mg
0 mg



附圖 32. DSC thermogram of P2



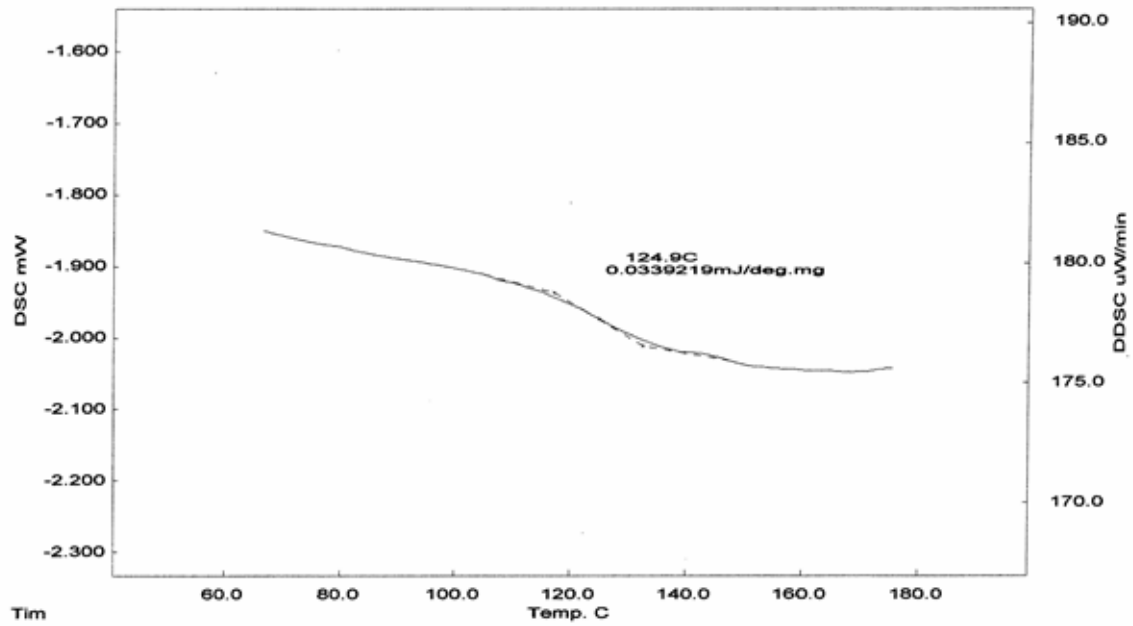
附圖 33. TGA thermogram of P3

<< DSC >>
 Data Name: P3-H2
 Date: 4/ 4/ 4 13:51
 Sample: P3
 Reference: Al

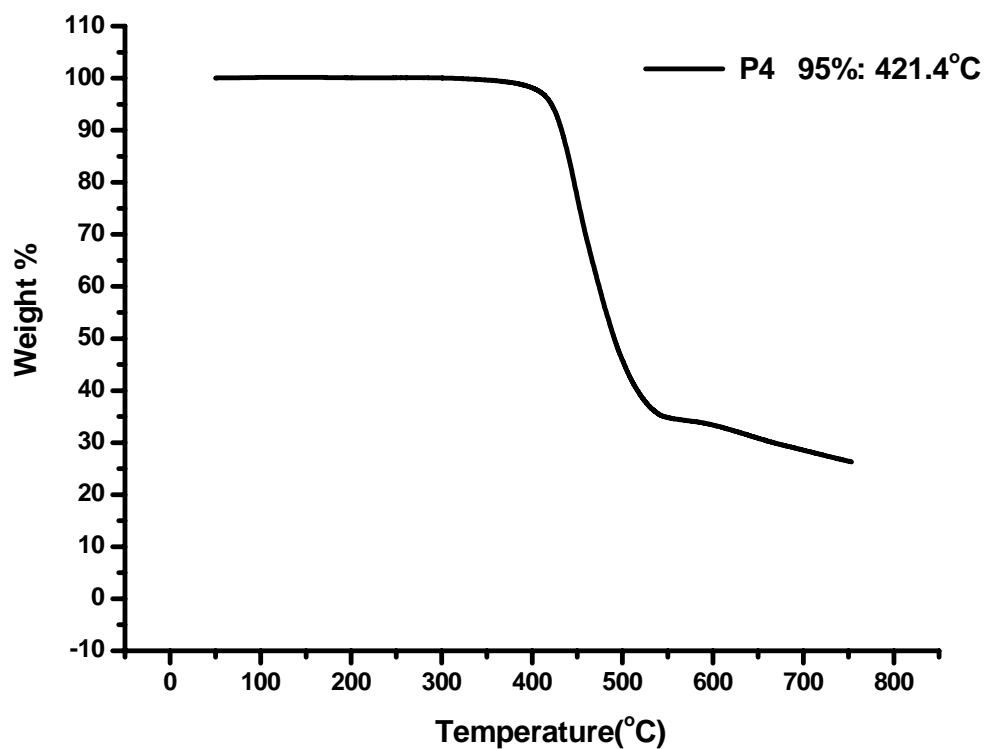
Temperature Program:				
	[C]	[Ons]	[min]	[sec]
1*	30 - 300	20	1	0.5
2*	300 - 30	40	1	0.5
3*	30 - 300	20	1	0.5
4*	300 - 25	40	0	0.5

4.12 mg
 0 mg

Comments:
 Operator Kai



附圖 34. DSC thermogram of P3



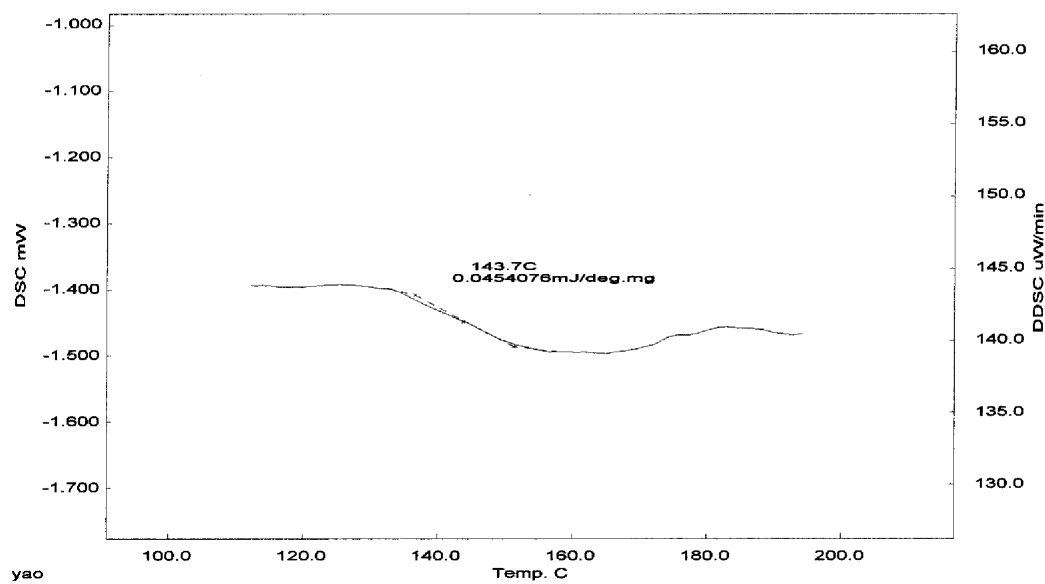
附圖 35. TGA thermogram of P4

<< DSC >>
 Data Name: P4
 Date: 4/ 4/ 4 14:57
 Sample: P4
 Reference: Al

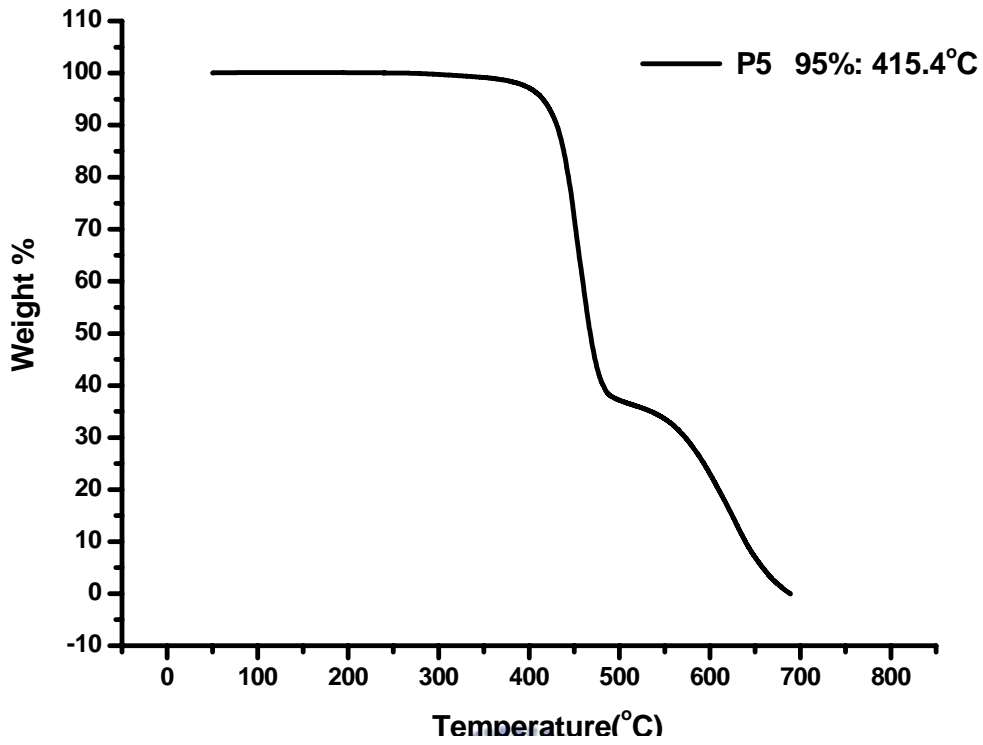
Temperature Program:				
	[C]	[C/min]	[min]	[sec]
1*	30	-	300	20 1 0.5
2*	300	-	30	40 1 0.5
3*	30	-	300	20 1 0.5
4*	300	-	25	40 0 0.5

Comments:
 Operator Kai

3.53 mg
 0 mg



附圖 36. DSC thermogram of P4



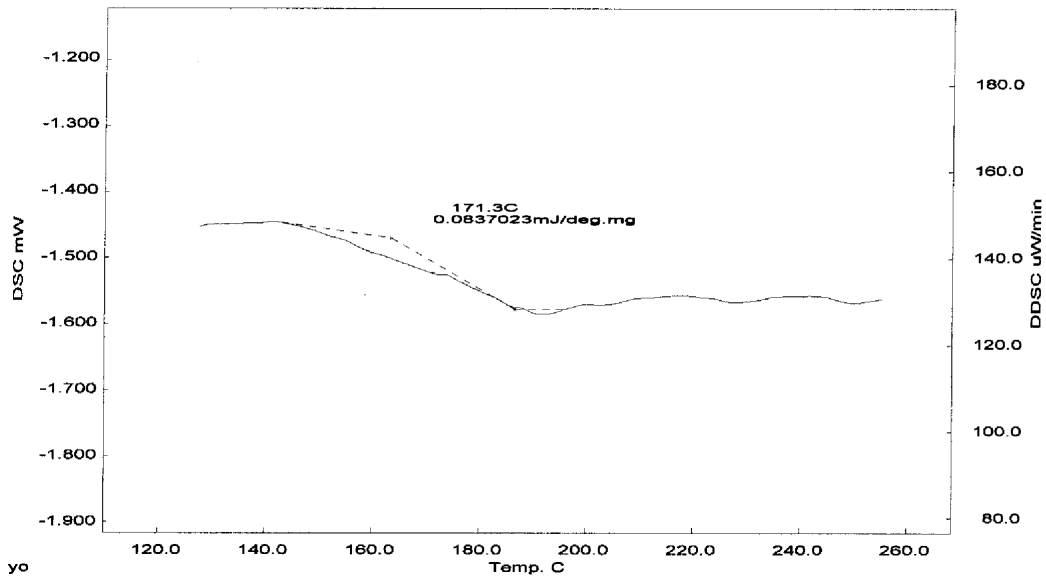
附圖 37. TGA thermogram of P5

<< DSC >>
 Data Name: P5
 Date: 4/ 4/ 4 16:02
 Sample: P5
 Reference: Al

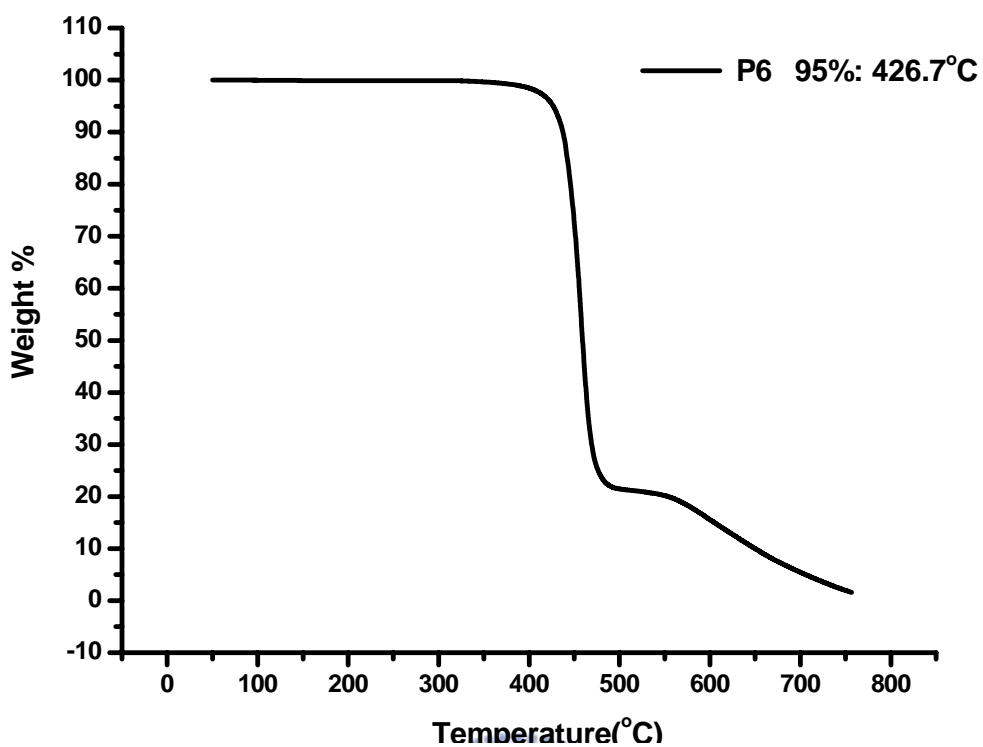
Temperature Program:			
[C]	[C/min]	[min]	[sec]
1*	30 - 300	20	1 0.5
2*	300 - 30	40	1 0.5
3*	30 - 300	20	1 0.5
4*	300 - 25	40	0 0.5

Comments:
Operator Kai

3.53 mg
0 mg



附圖 38. DSC thermogram of P5



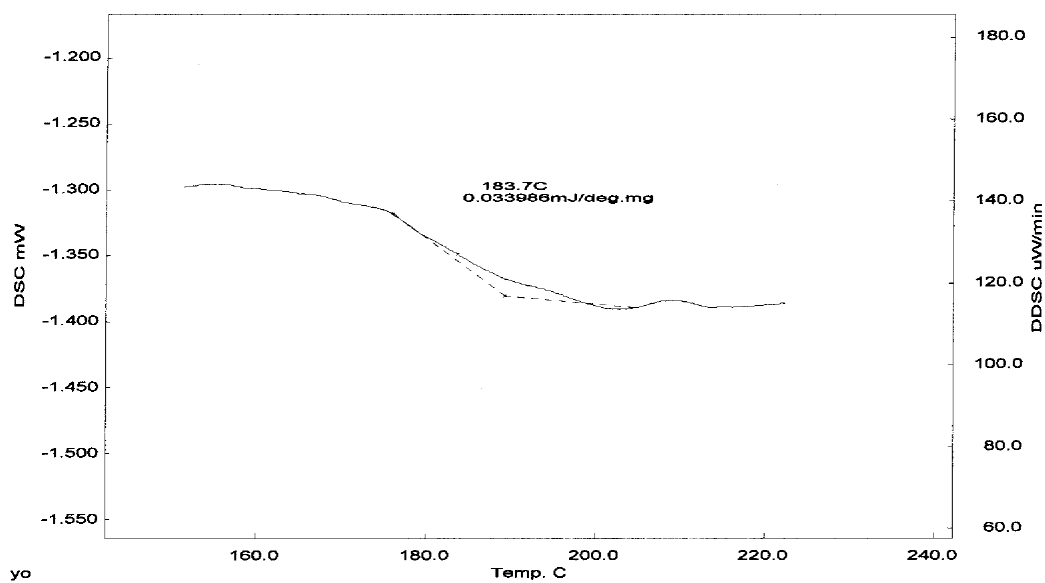
附圖 39. TGA thermogram of P6

<< DSC >>
 Data Name: P6
 Date: 4/ 4/ 6 17:12
 Sample: P6
 Reference: Al

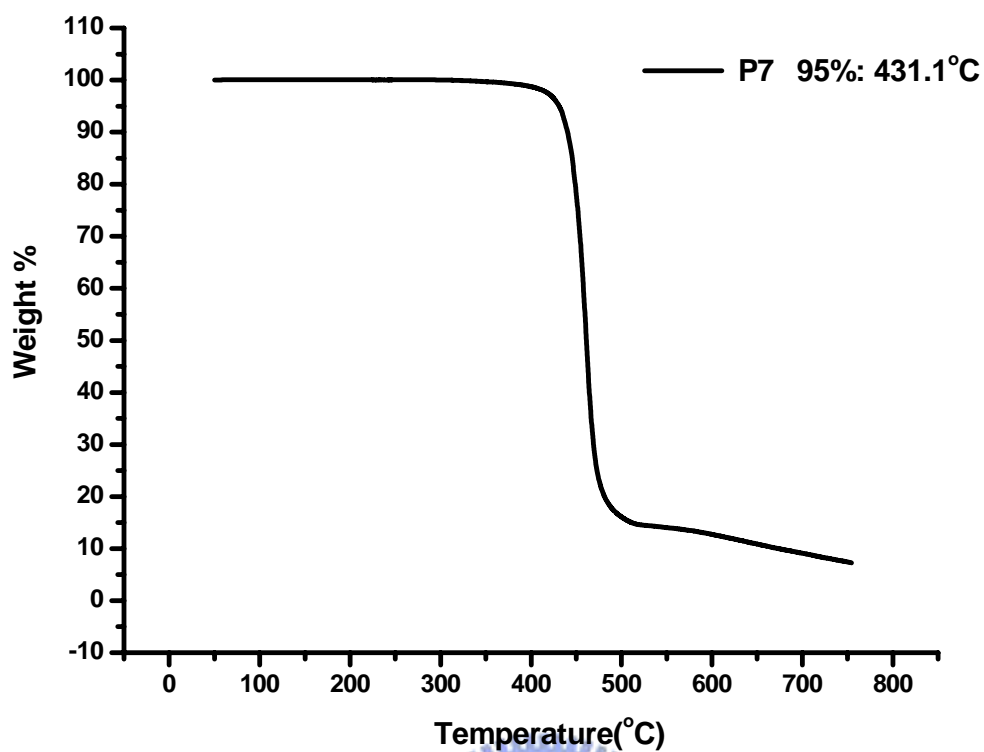
Temperature Program:				
	[C]	[0min]	[min]	[sec]
1*	30	-	20	1 0.5
2	300	-	30	40 1 0.5
3*	30	-	300	20 1 0.5
4	300	-	25	40 0 0.5

Comments:
Operator Kai

3.65 mg
0 mg



附圖 40. DSC thermogram of P6



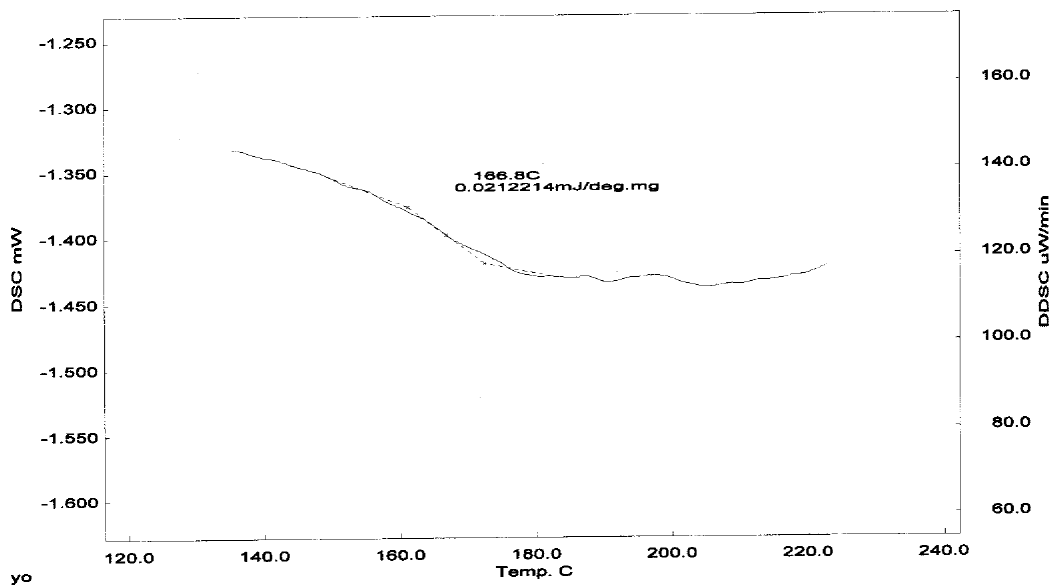
附圖 41. TGA thermogram of P7

<< DSC >>
 Data Name: P7-H2
 Date: 4/4/6 18:25
 Sample: P7
 Reference: Al

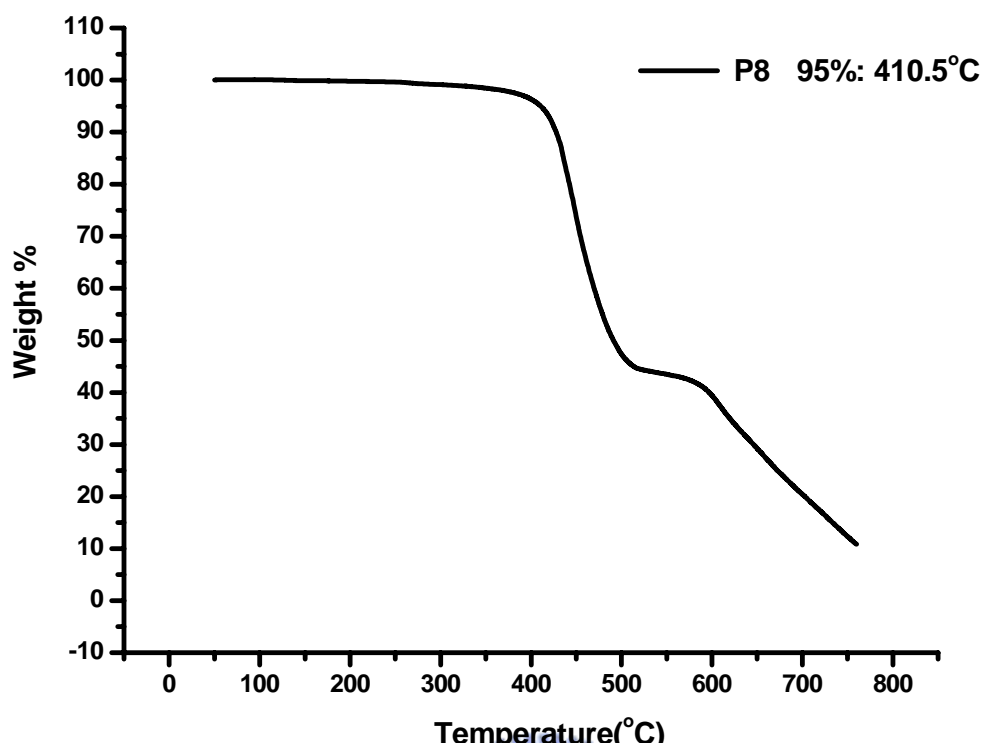
Temperature Program:				
	[C]	[C/min]	[min]	[sec]
1*	30	-300	20	1 0.5
2	300	-30	40	1 0.5
3*	30	-300	20	1 0.5
4	300	-25	40	0 0.5

Comments:
Operator Kai

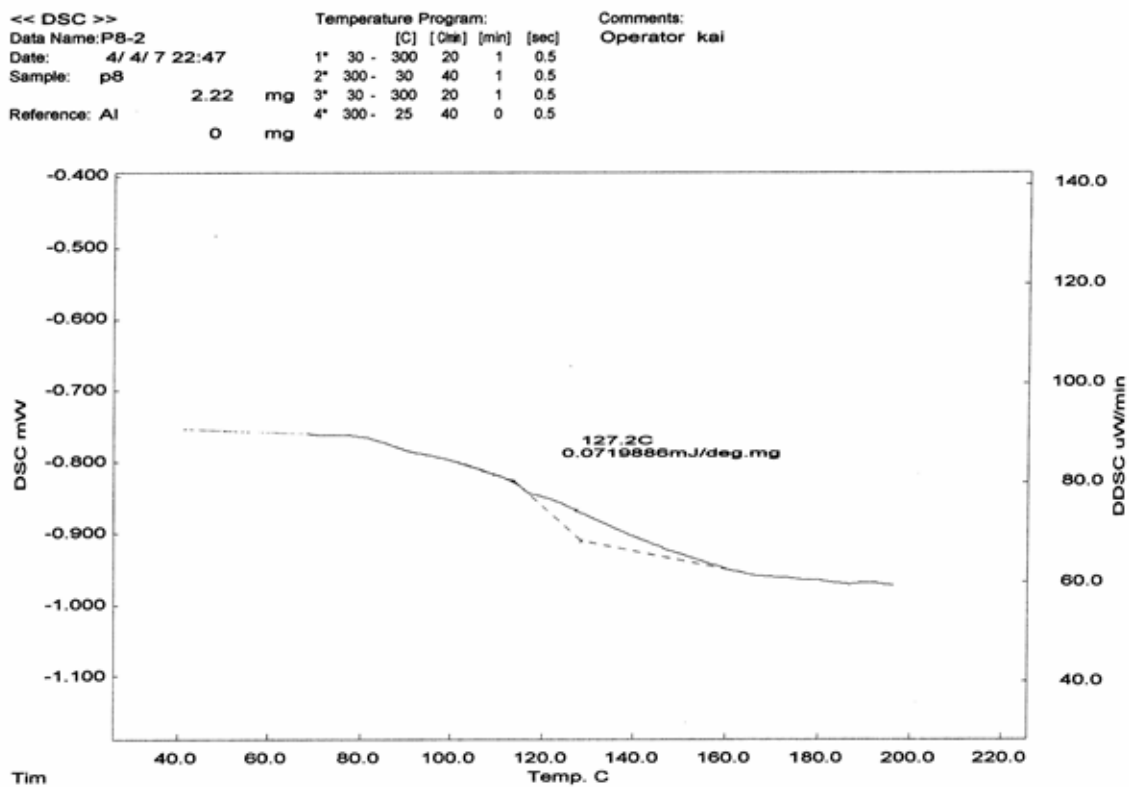
3.79 mg
0 mg



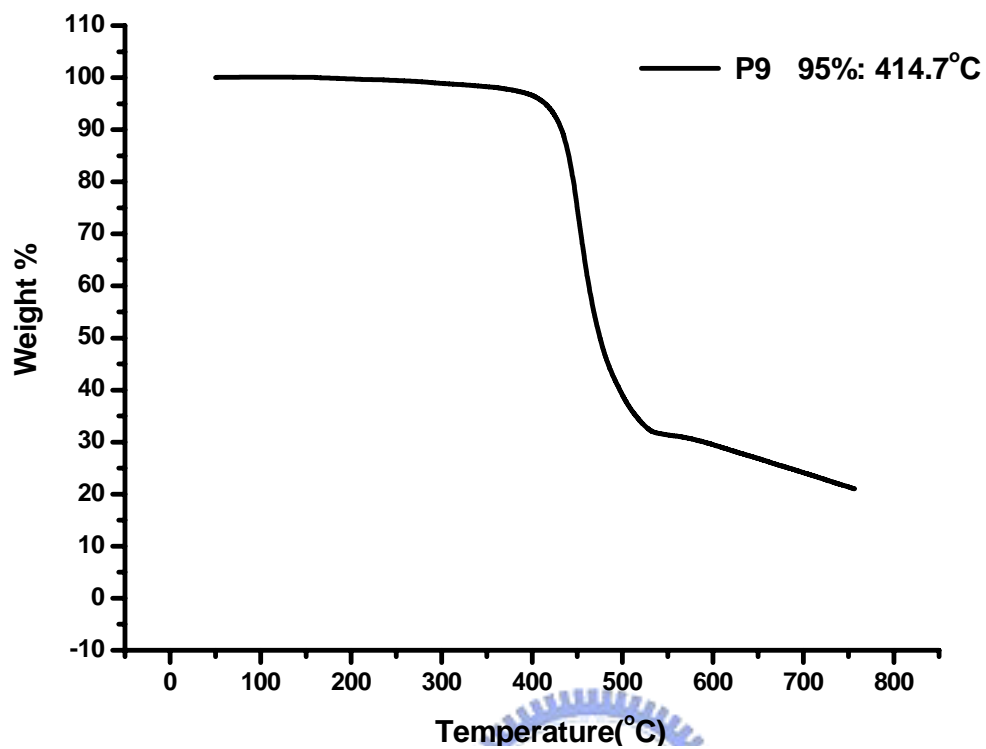
附圖 42. DSC thermogram of P7



附圖 43. TGA thermogram of P8



附圖 44. DSC thermogram of P8



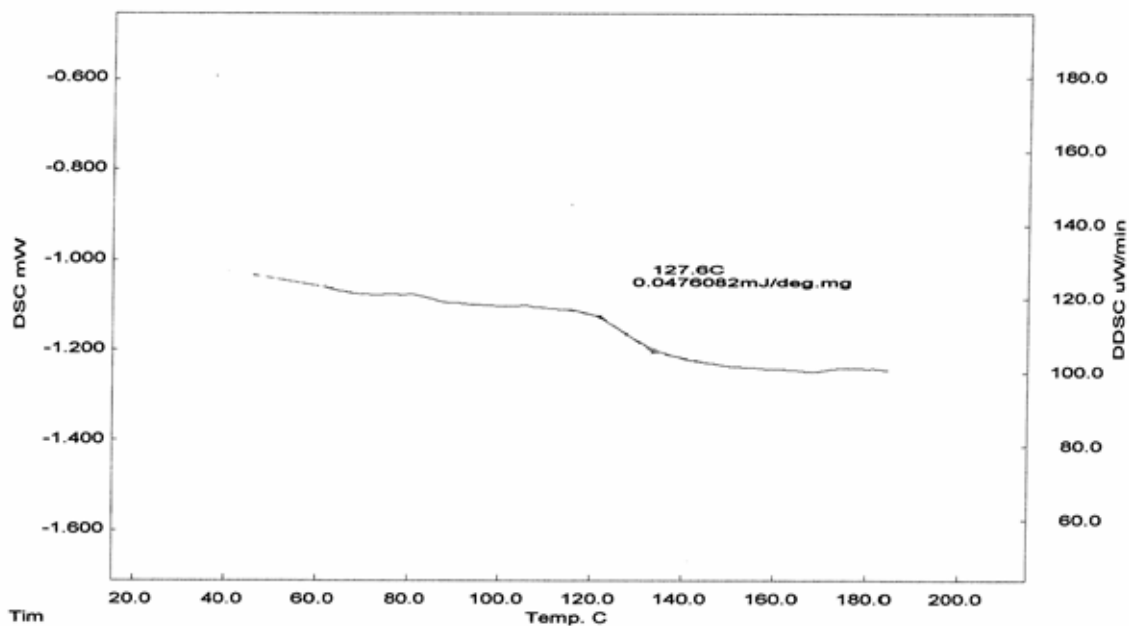
附圖 45. TGA thermogram of P9

<< DSC >>
 Data Name: P9-H1
 Date: 4/ 4/ 7 23:46
 Sample: p9
 Reference: Al

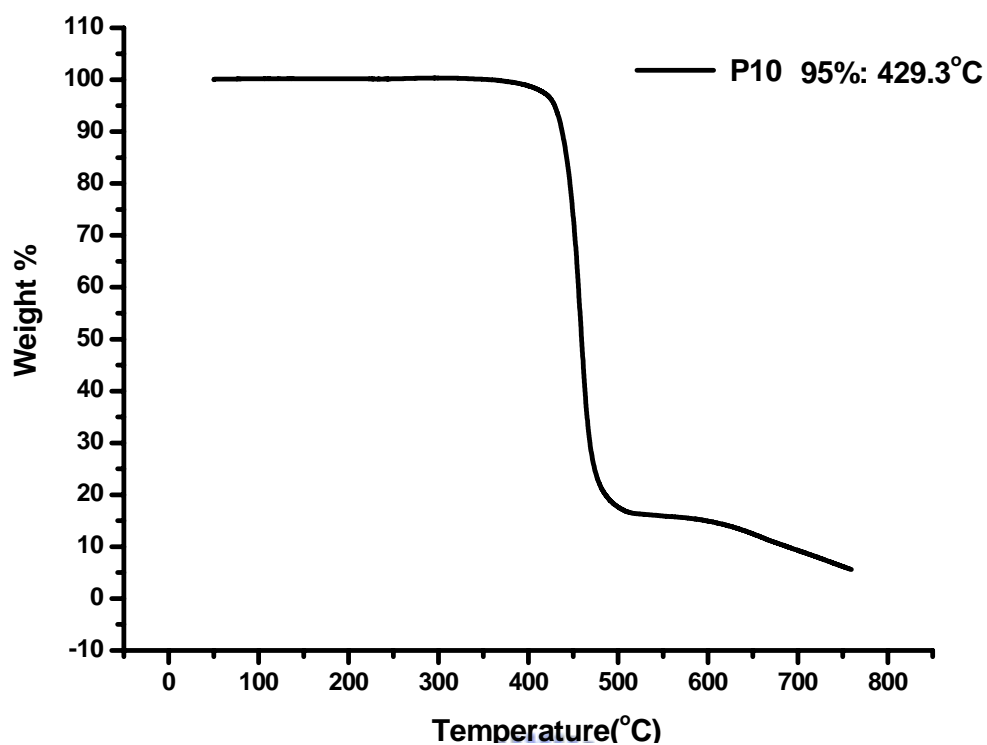
Temperature Program:				
	[C]	[Cm]	[min]	[sec]
1*	30	-	300	20 1 0.5
2*	300	-	30	40 1 0.5
3*	30	-	300	20 1 0.5
4*	300	-	25	40 0 0.5

Comments:
 Operator kai

3.24 mg
 0 mg



附圖 46. DSC thermogram of P9



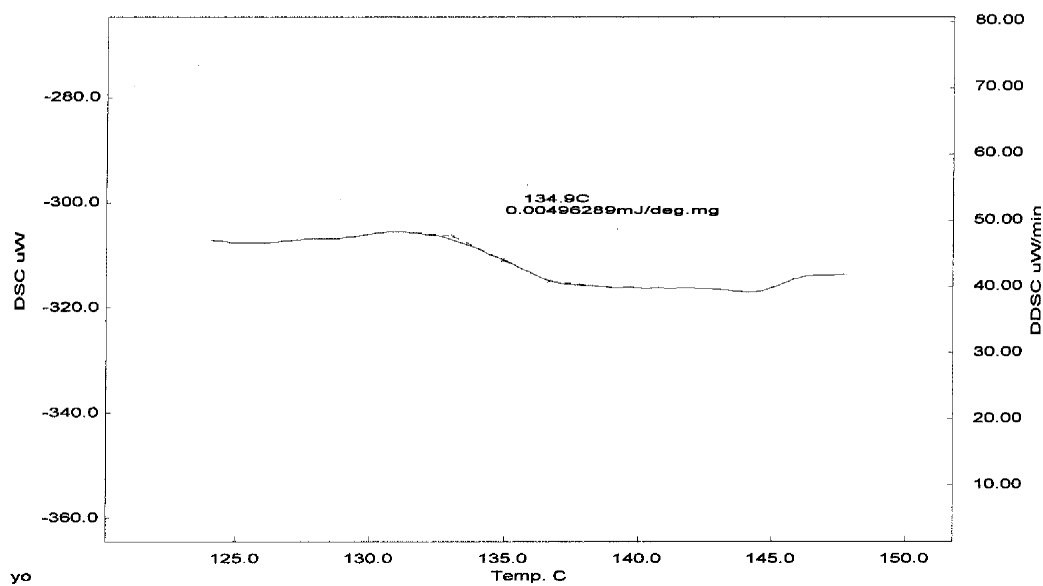
附圖 47. TGA thermogram of P10

<< DSC >>
 Data Name: P10
 Date: 4/ 4/ 7 19:30
 Sample: p10
 Reference: Al

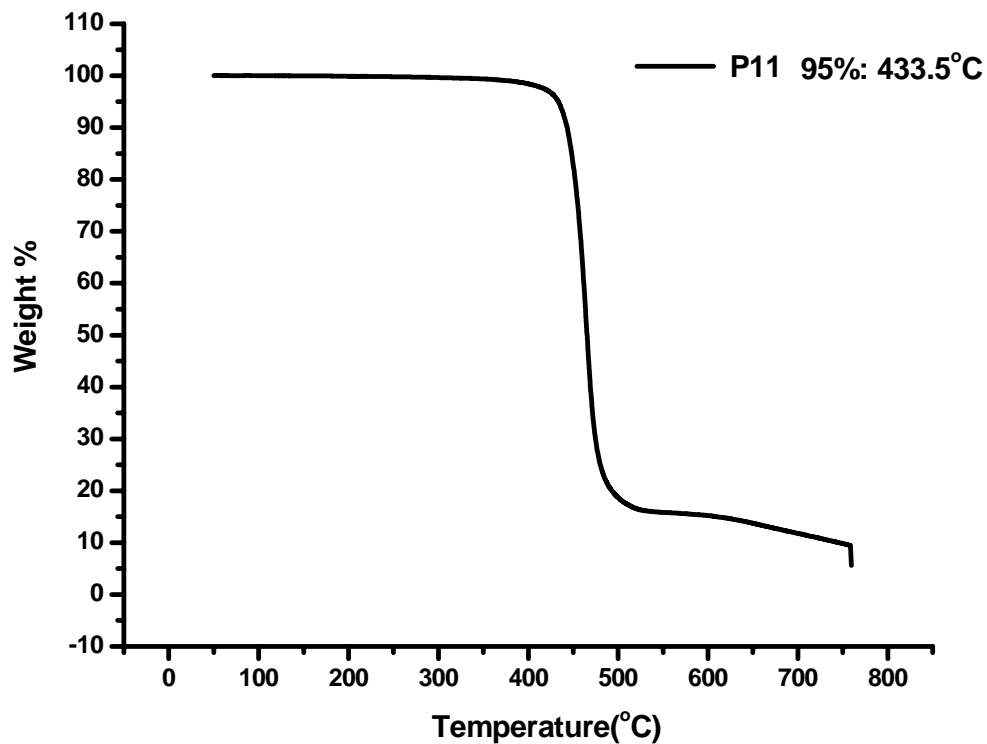
Temperature Program:			
[C]	[Cm]	[min]	[sec]
1*	30 - 300	20	1 0.5
2	300 - 30	40	1 0.5
3	30 - 300	20	1 0.5
4	300 - 25	40	0 0.5

Comments:
 Operator kai

4.1 mg
 0 mg



附圖 48. DSC thermogram of P10



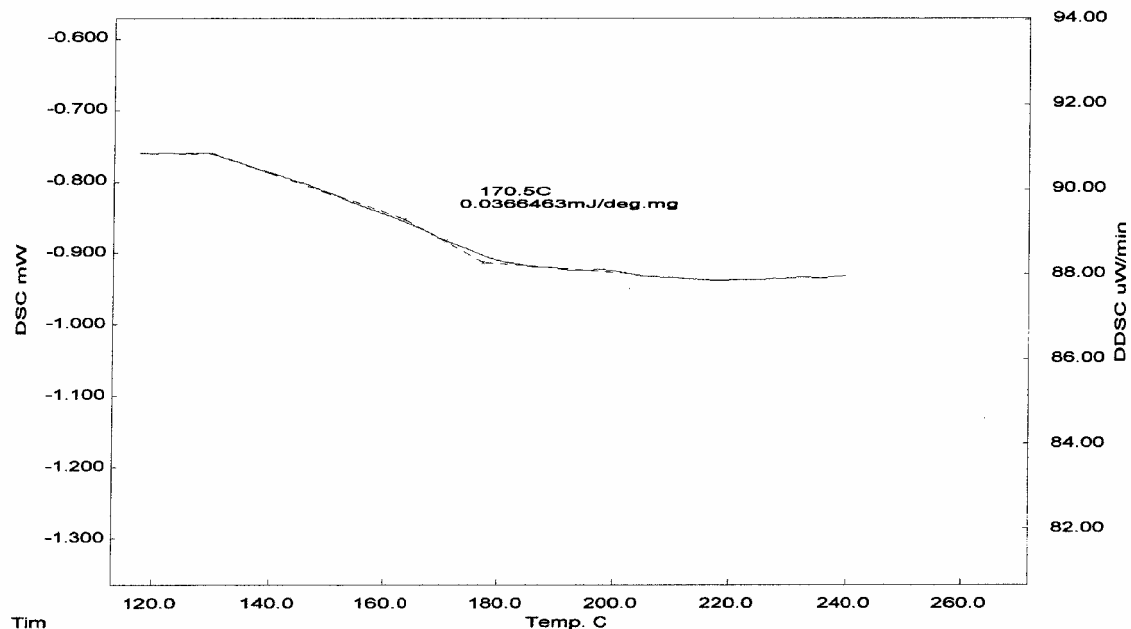
附圖 49. TGA thermogram of P11

<< DSC >>
 Data Name: P11
 Date: 4/ 4/28 20:44
 Sample: P11
 Reference: Al

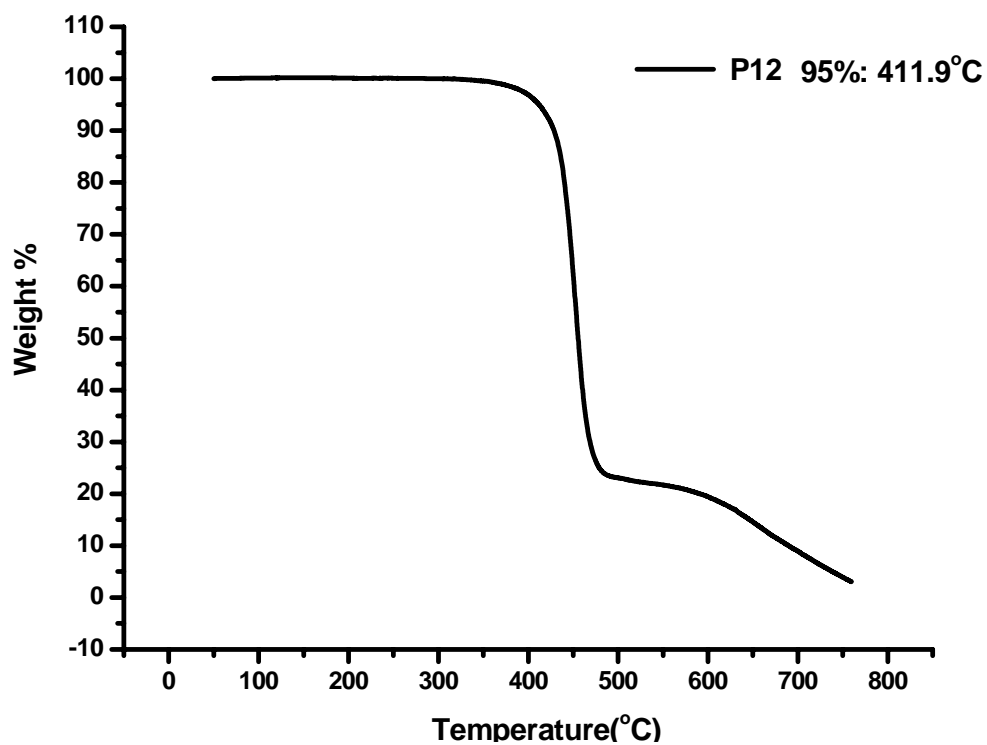
Temperature Program:				
	[C]	[min]	[min]	[sec]
1*	25	300	20	1 0.5
2*	300	30	40	1 0.5
3*	30	300	20	1 0.5
4*	300	25	40	0 0.5

Comments:
Operator Kai

2.95 mg
0 mg



附圖 50. DSC thermogram of P11

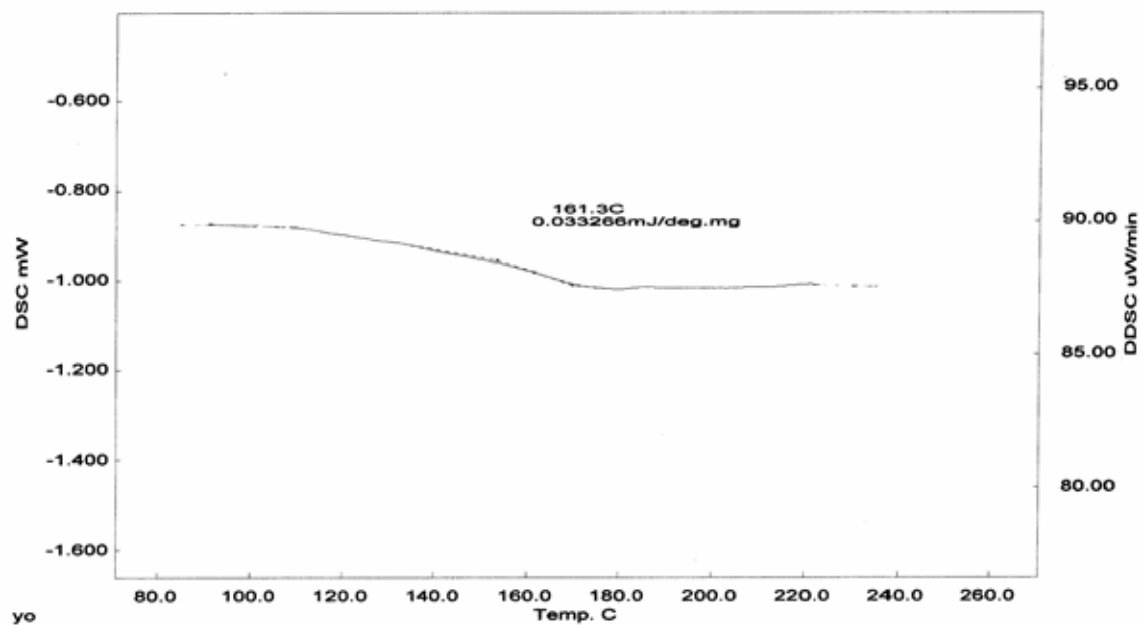


附圖 51. TGA thermogram of P12

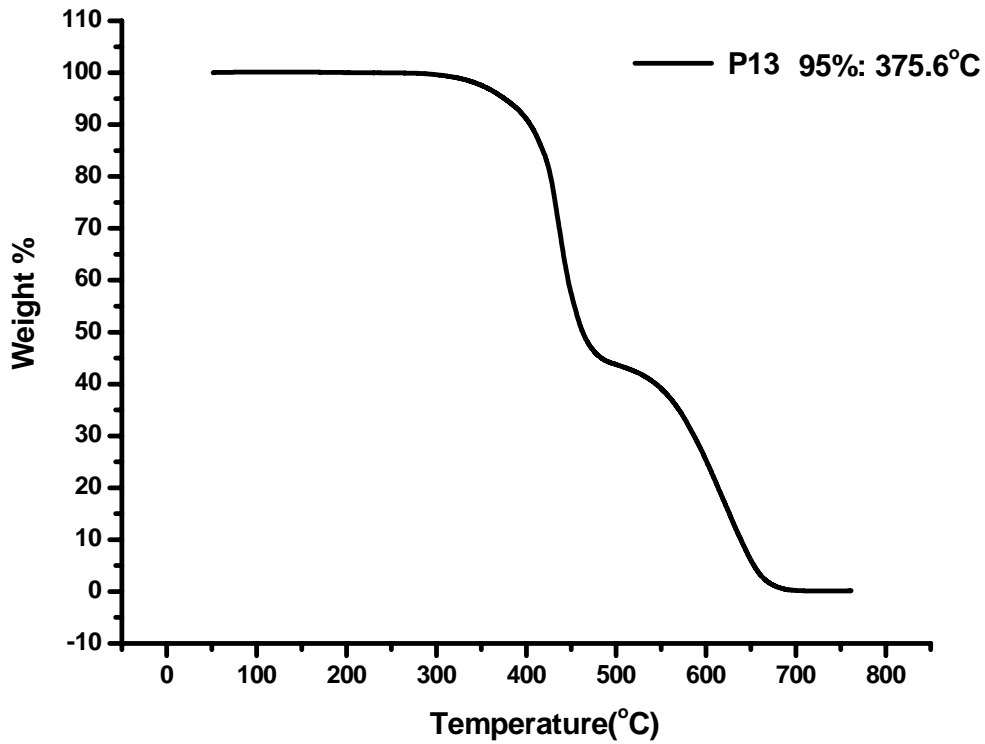
<< DSC >>
 Data Name: P12-H2
 Date: 4/ 4/28 18:32
 Sample: P12
 Reference: Al
 3.08 mg
 0 mg

Temperature Program:					
	[C]	[Ons]	[min]	[sec]	
1*	25 - 300	20	1	0.5	
2*	300 - 30	40	1	0.5	
3*	30 - 300	20	1	0.5	
4*	300 - 25	40	0	0.5	

Comments:
 Operator Kai



附圖 52. DSC thermogram of P12



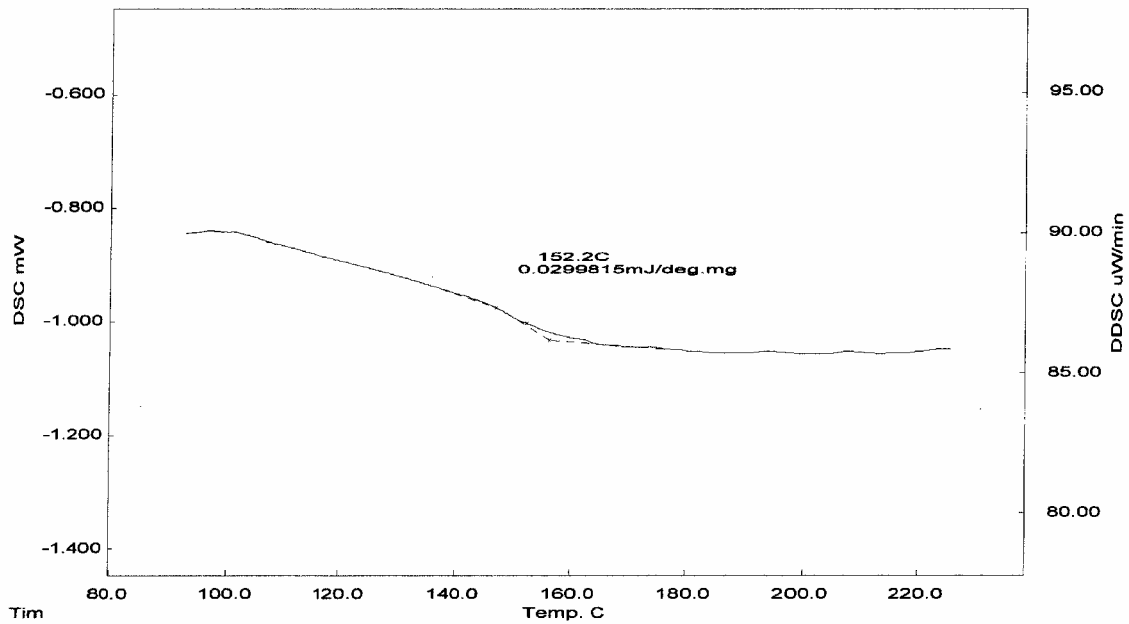
附圖 53. TGA thermogram of P13

<< DSC >>
 Data Name: P13
 Date: 4/ 5/ 2 18:01
 Sample: P13
 Reference: Al

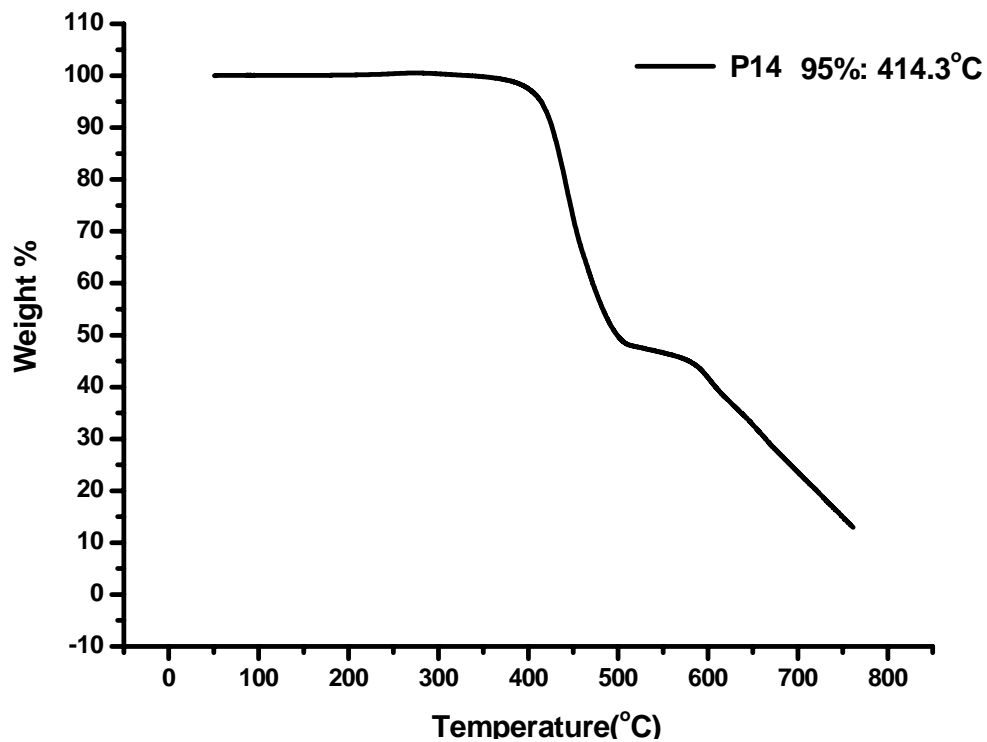
Temperature Program:				
[C]	[C/min]	[min]	[sec]	
1*	30 - 300	20	0	0.5
2*	300 - 30	40	0	0.5
3*	30 - 300	20	0	0.5
4*	300 - 30	40	0	0.5

Comments:
Operator Kai

3.68 mg
0 mg



附圖 54. DSC thermogram of P13

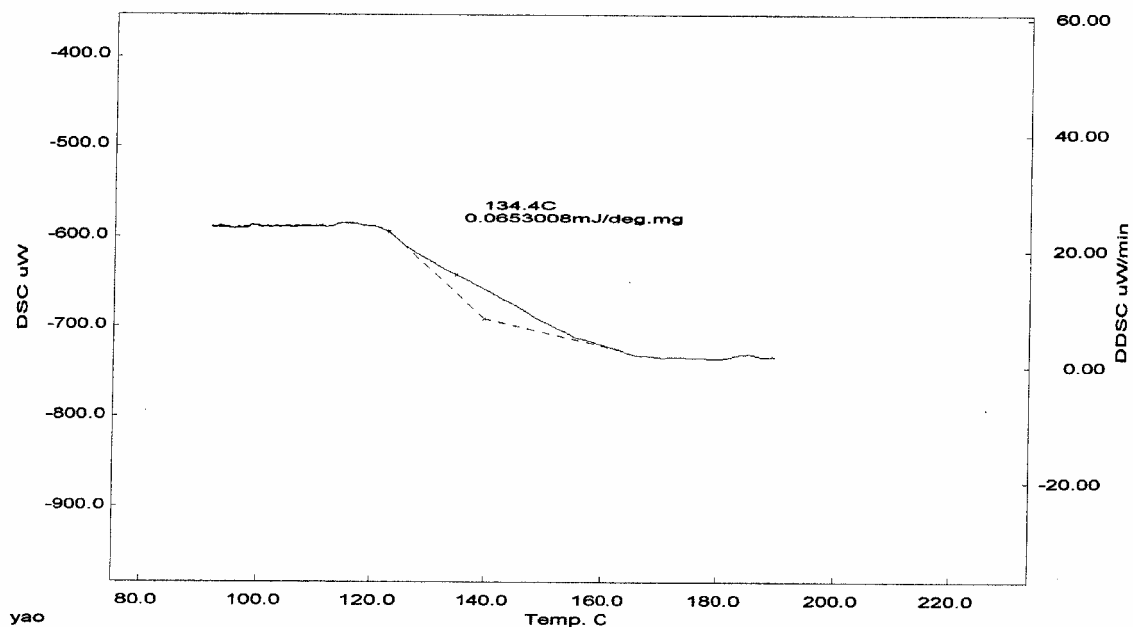


附圖 55. TGA thermogram of P14

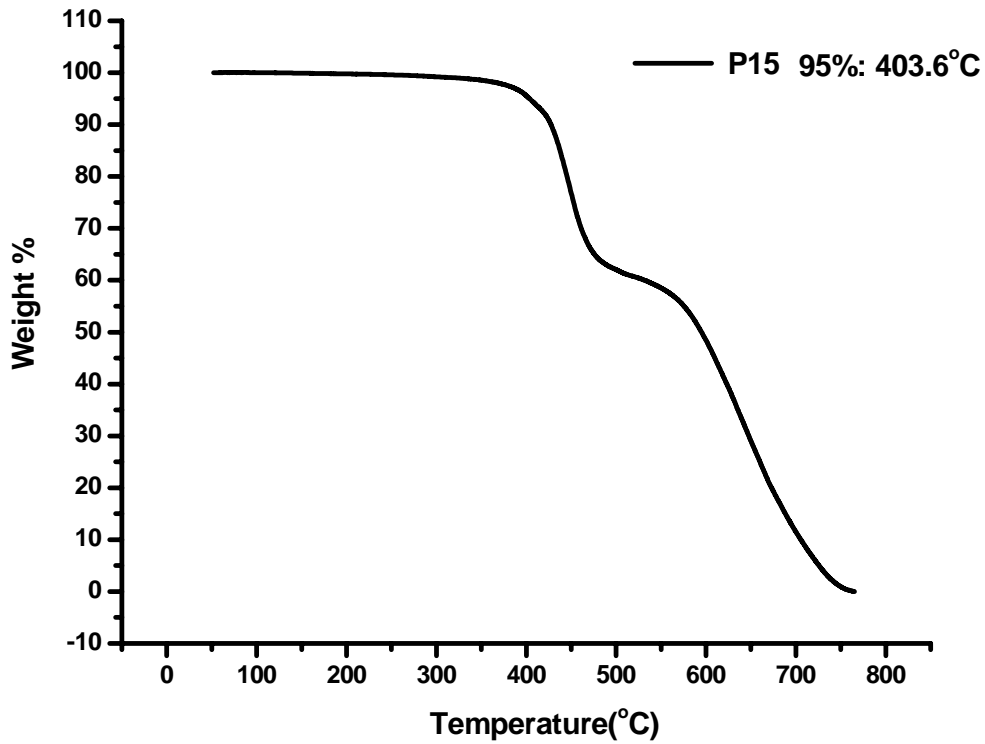
<< DSC >>
 Data Name: P14-H1
 Date: 4/ 5/ 2 18:58
 Sample: P14
 Reference: Al
 2.65 mg
 0 mg

Temperature Program:				
[C]	[C/min]	[min]	[sec]	
1*	30 - 300	20	0	0.5
2*	300 - 30	40	0	0.5
3*	30 - 300	20	0	0.5
4*	300 - 30	40	0	0.5

Comments:
 Operator Kai



附圖 56. DSC thermogram of P14

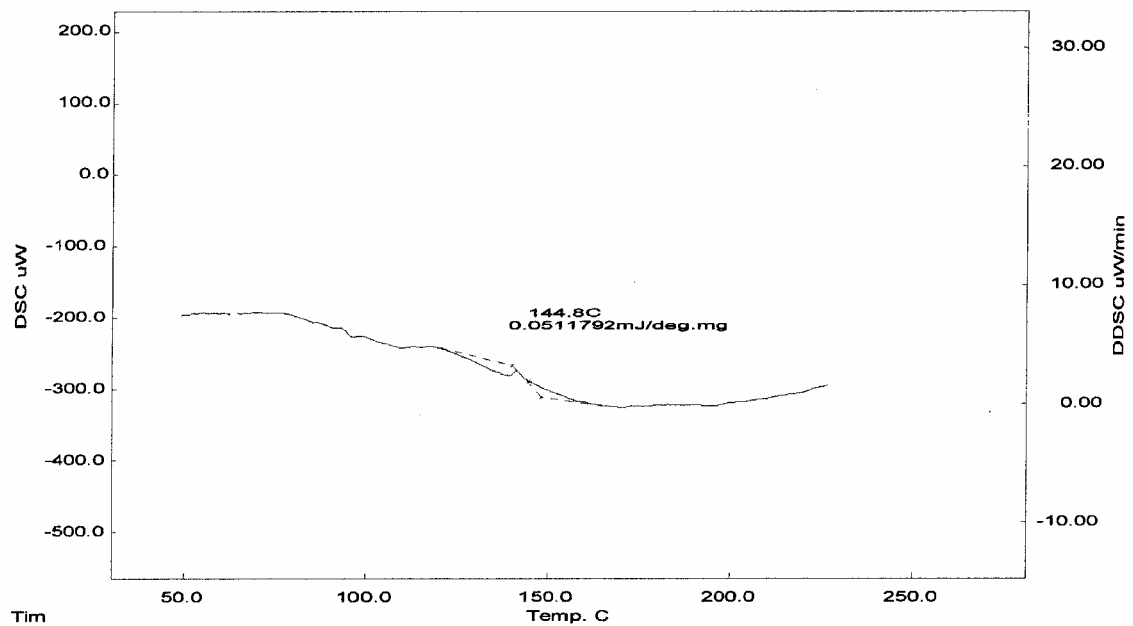


附圖 57. TGA thermogram of P15

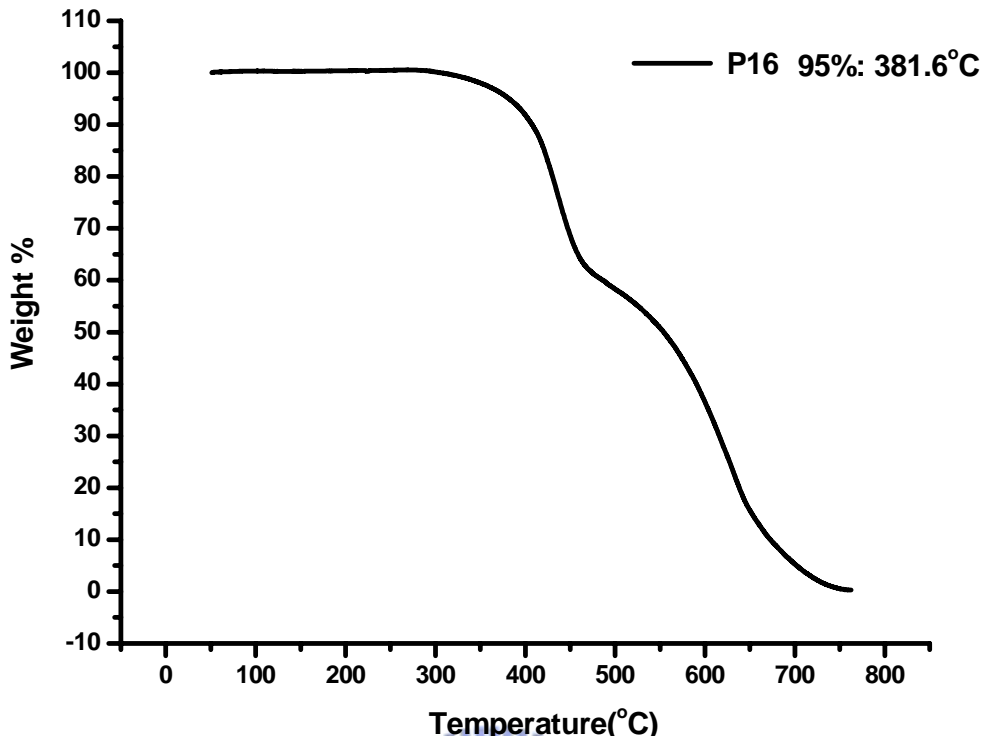
<< DSC >>
 Data Name: P15-H2
 Date: 4/ 5/ 2 19:58
 Sample: P14
 Reference: Al
 2.2 mg
 0 mg

Temperature Program:				
	[C]	[C/min]	[min]	[sec]
1*	30	- 300	20	0 0.5
2*	300	- 30	40	0 0.5
3*	30	- 300	20	0 0.5
4*	300	- 30	40	0 0.5

Comments:
 Operator Kai



附圖 58. DSC thermogram of P15



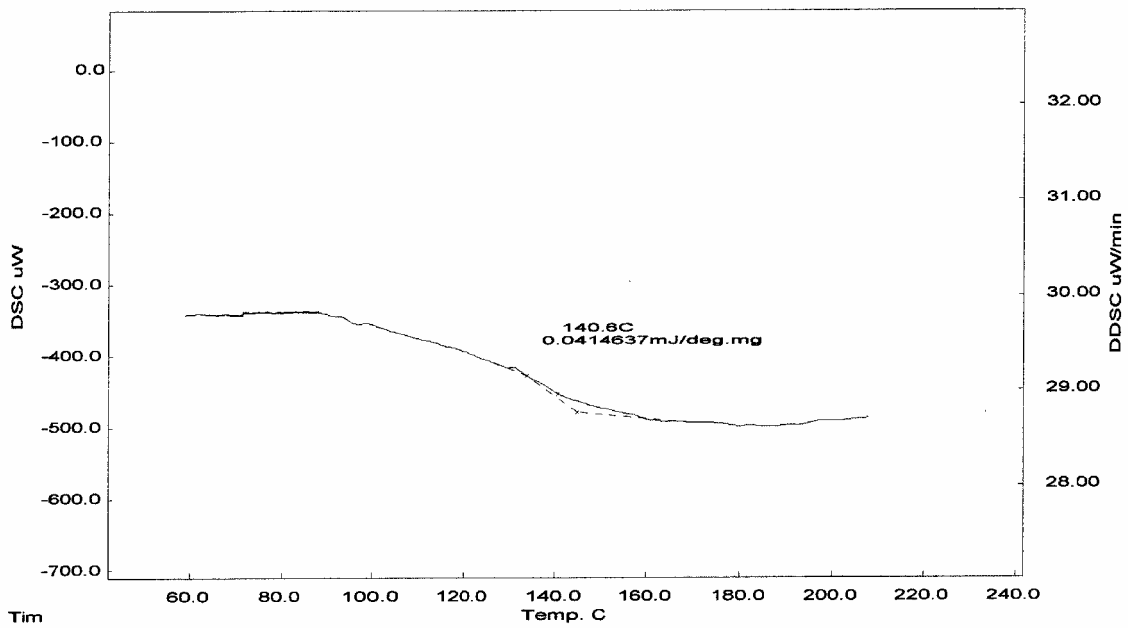
附圖 59. TGA thermogram of P16

<< DSC >>
 Data Name: P16-H1
 Date: 4/ 5/ 2 20:51
 Sample: P16
 Reference: Al

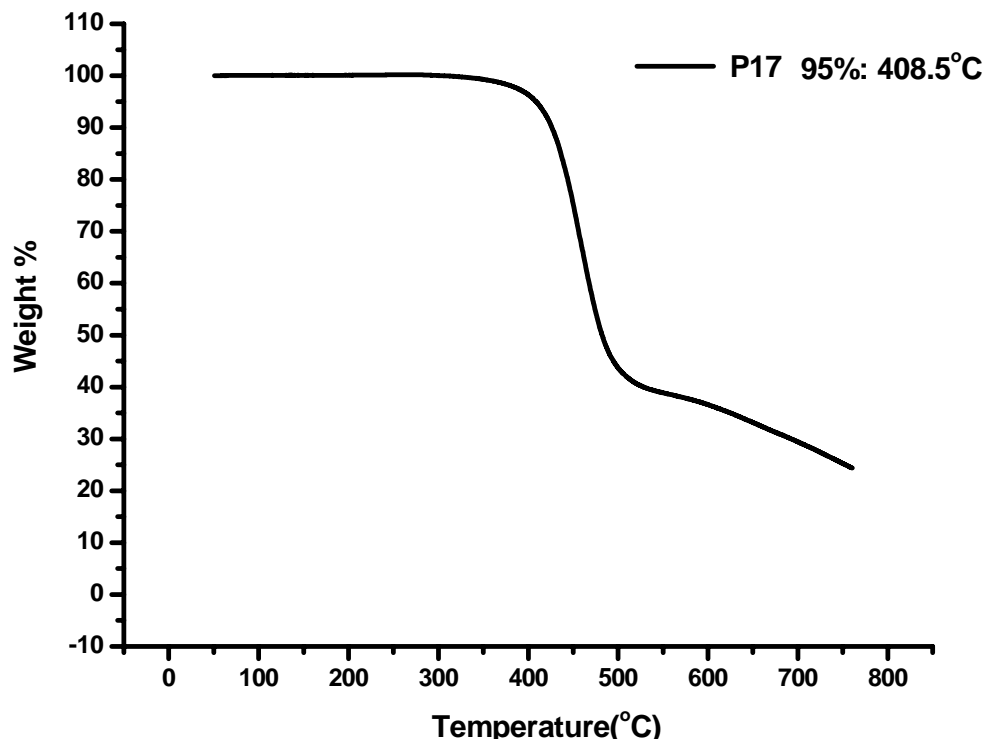
Temperature Program:		[C] [C/min] [min] [sec]		
1*	30 - 300	20	0	0.5
2*	300 - 30	40	0	0.5
3*	30 - 300	20	0	0.5
4*	300 - 30	40	0	0.5

Comments:
Operator Kai

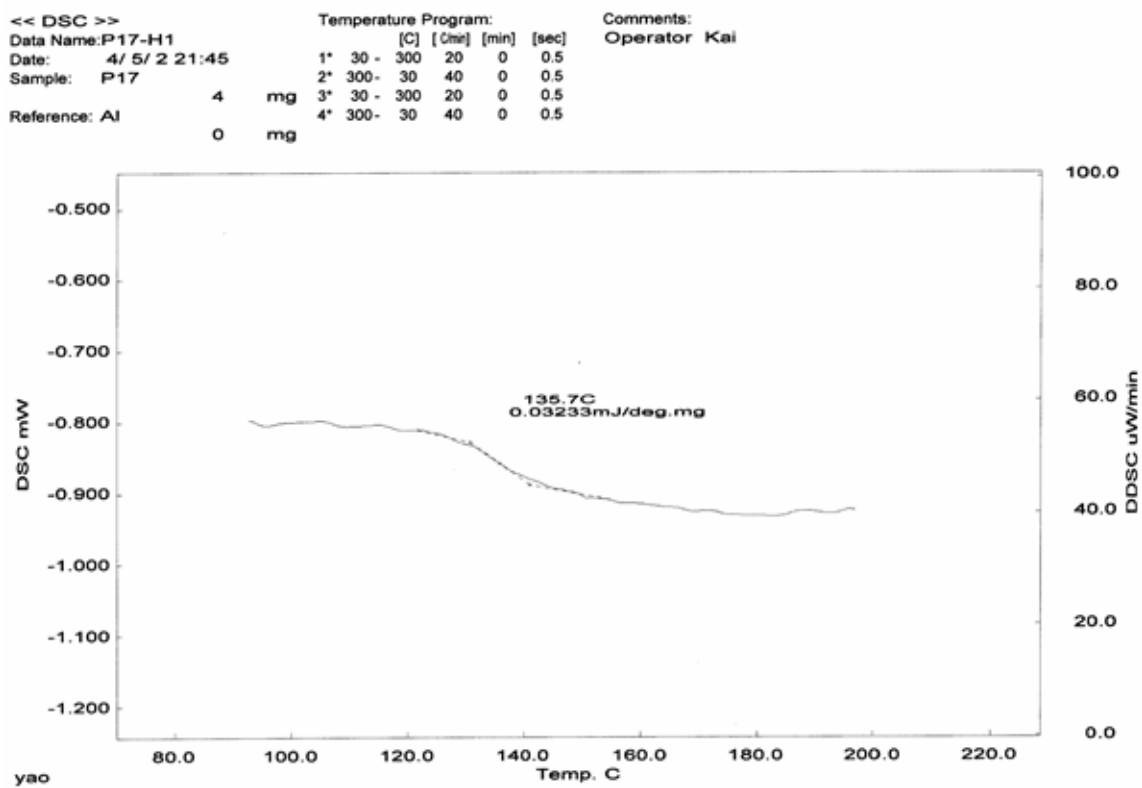
2.28 mg
0 mg



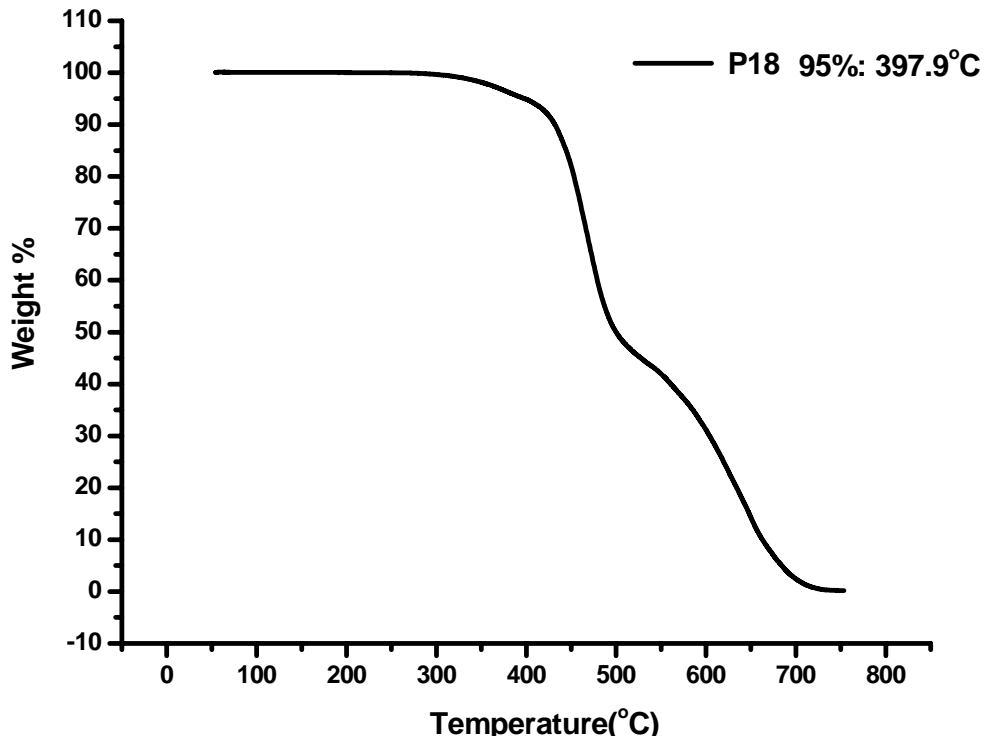
附圖 60. DSC thermogram of P16



附圖 61. TGA thermogram of P17



附圖 62. DSC thermogram of P17

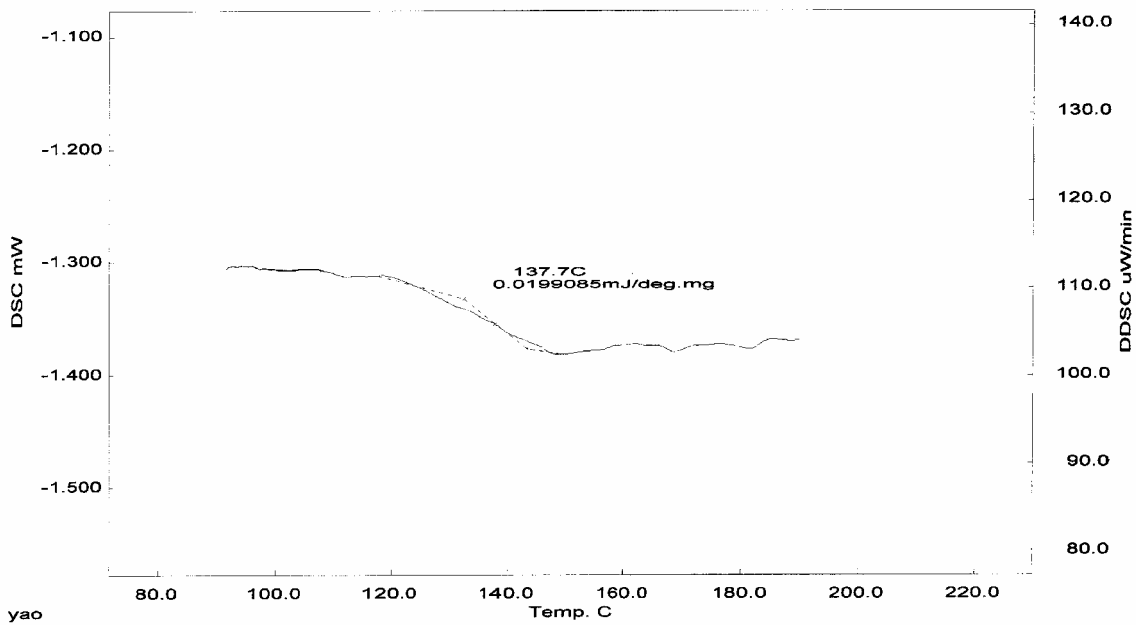


附圖 63. TGA thermogram of P18

<< DSC >>
 Data Name: P18-H1
 Date: 4/ 5/ 2 22:37
 Sample: P18
 Reference: Al
 4.84 mg
 0 mg

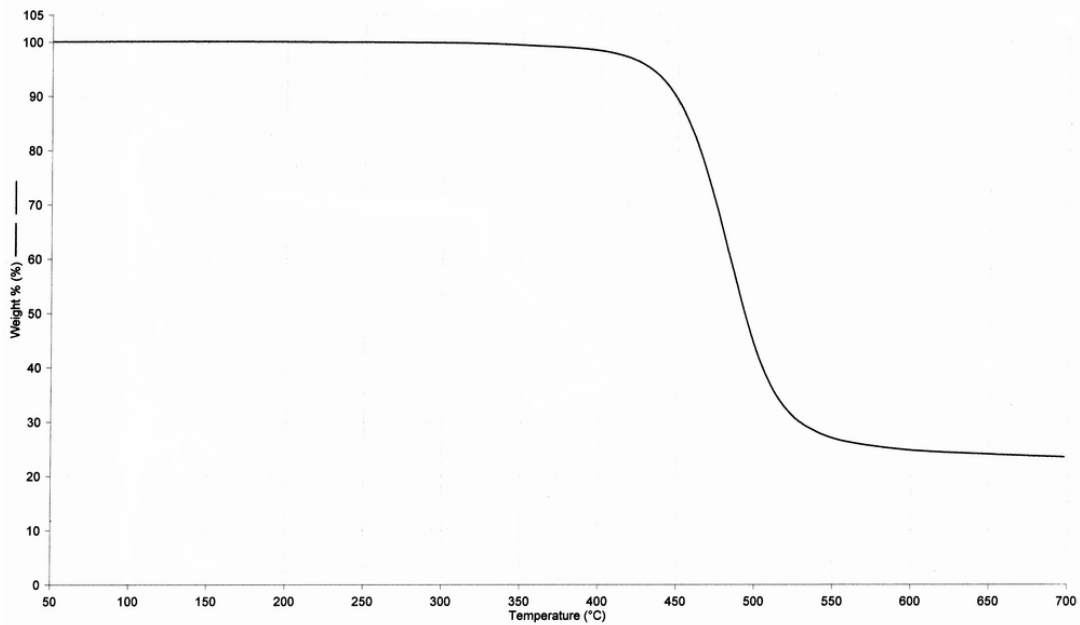
Temperature Program:				
	[C]	[C/min]	[min]	[sec]
1*	30 - 300	20	0	0.5
2*	300 - 30	40	0	0.5
3*	30 - 300	20	0	0.5
4*	300 - 30	40	0	0.5

Comments:
 Operator Kai



附圖 64. DSC thermogram of P18

Filename: C:\TGA file\skyking\IP5.tg1d
 Operator ID: robby
 Sample ID: P5
 Sample Weight: 5.261 mg

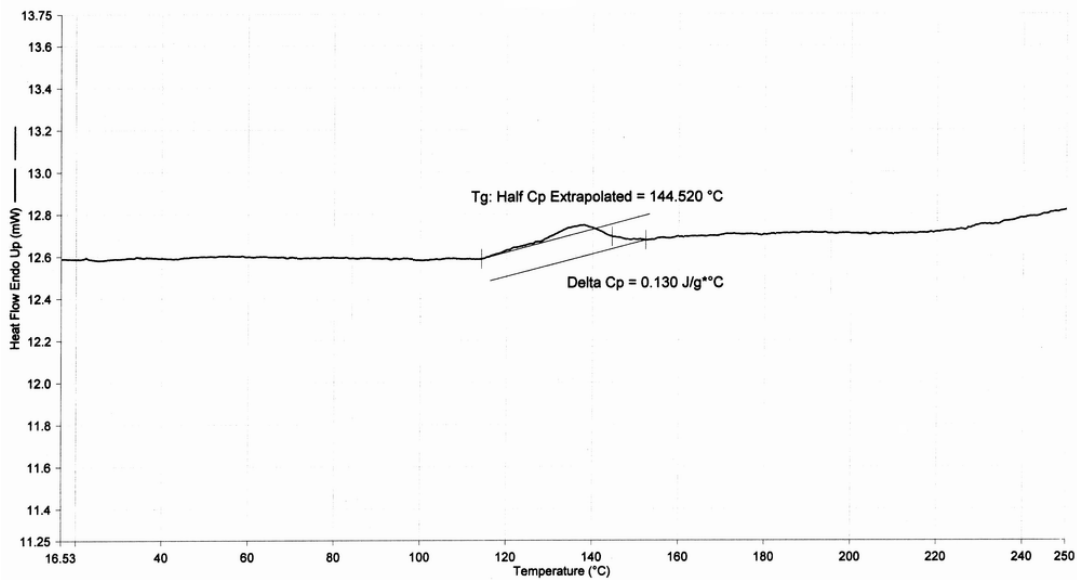


2003/5/22 下午 12:47:50

1) Heat from 50.00°C to 700.00°C at 10.00°C/min

附圖 65. TGA thermogram of P19

Filename: C:\DSC file\skyking\新資料夾\p5-2.pd1d
 Operator ID: sky
 Sample ID: p5-2
 Sample Weight: 2.700 mg



2003/5/21 上午 11:13:35

1) Heat from 30.00°C to 120.00°C at 20.00°C/min
 2) Hold for 180.0 min at 120.00°C
 3) Cool from 120.00°C to -80.00°C at 100.00°C/min
 4) Hold for 5.0 min at -80.00°C
 5) Heat from -80.00°C to 300.00°C at 20.00°C/min

附圖 66. DSC thermogram of P19