

Supplementary Information

Thiol-ene polymerization of oligospiroketal rods

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1. NMR spectra

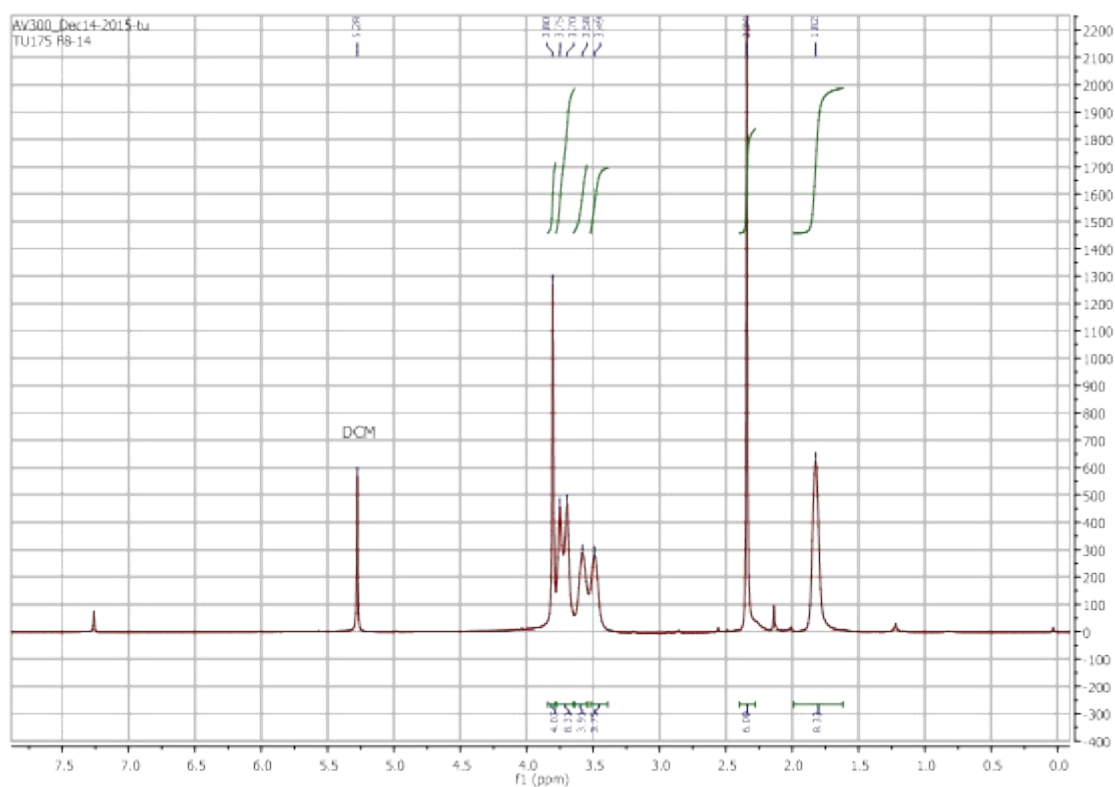


Figure 1: ^1H -NMR spectrum of **2**.

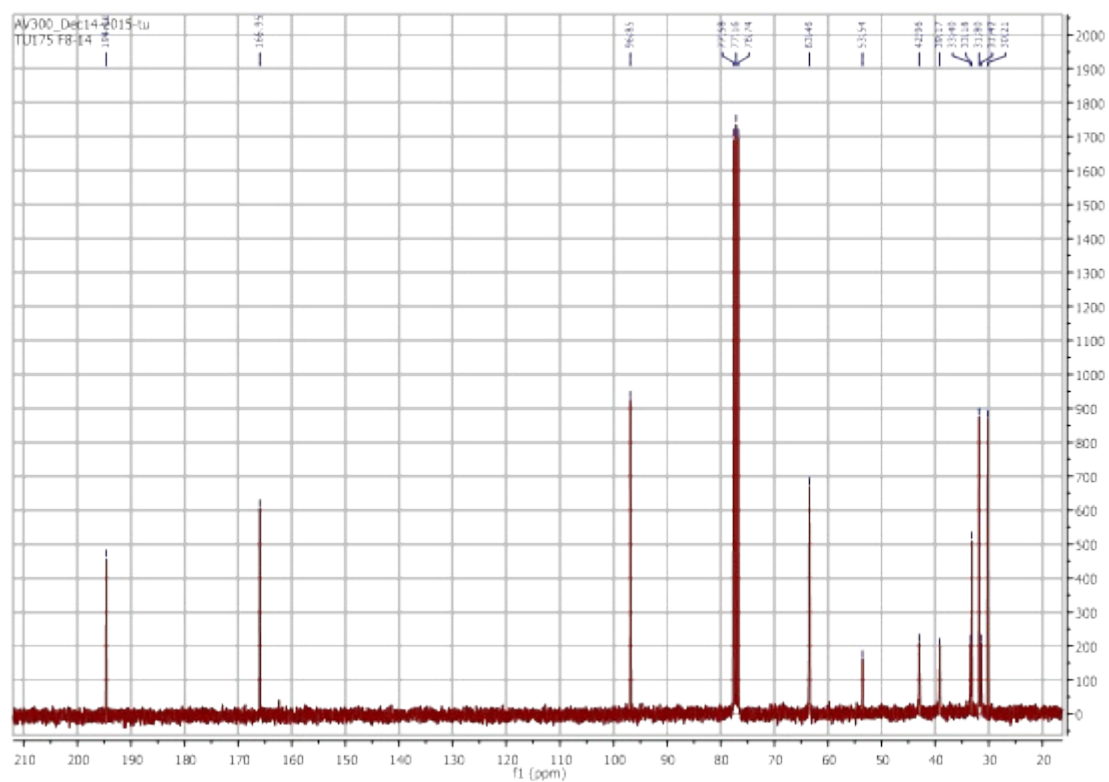


Figure 2: ^{13}C -NMR spectrum of **2**.

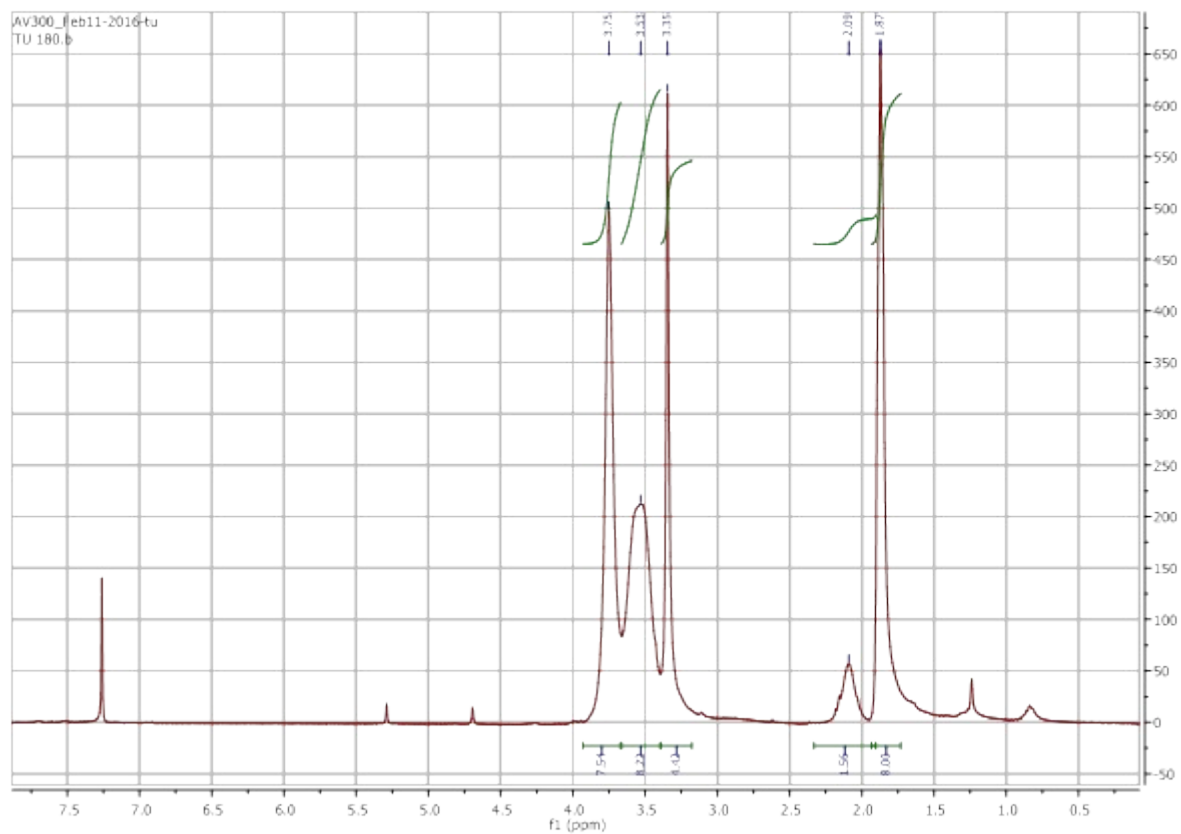


Figure 3: ^1H -NMR spectrum of **3**.

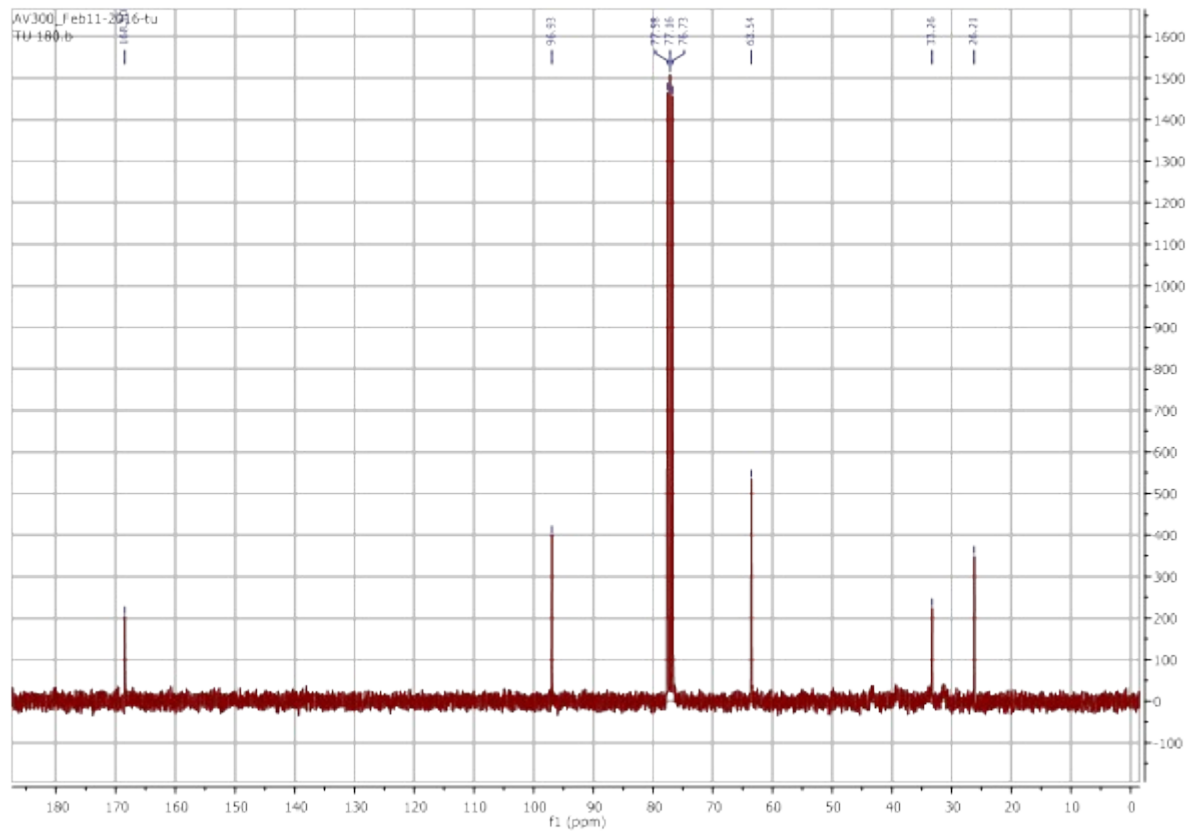


Figure 4: ^{13}C -NMR spectrum of **3**.

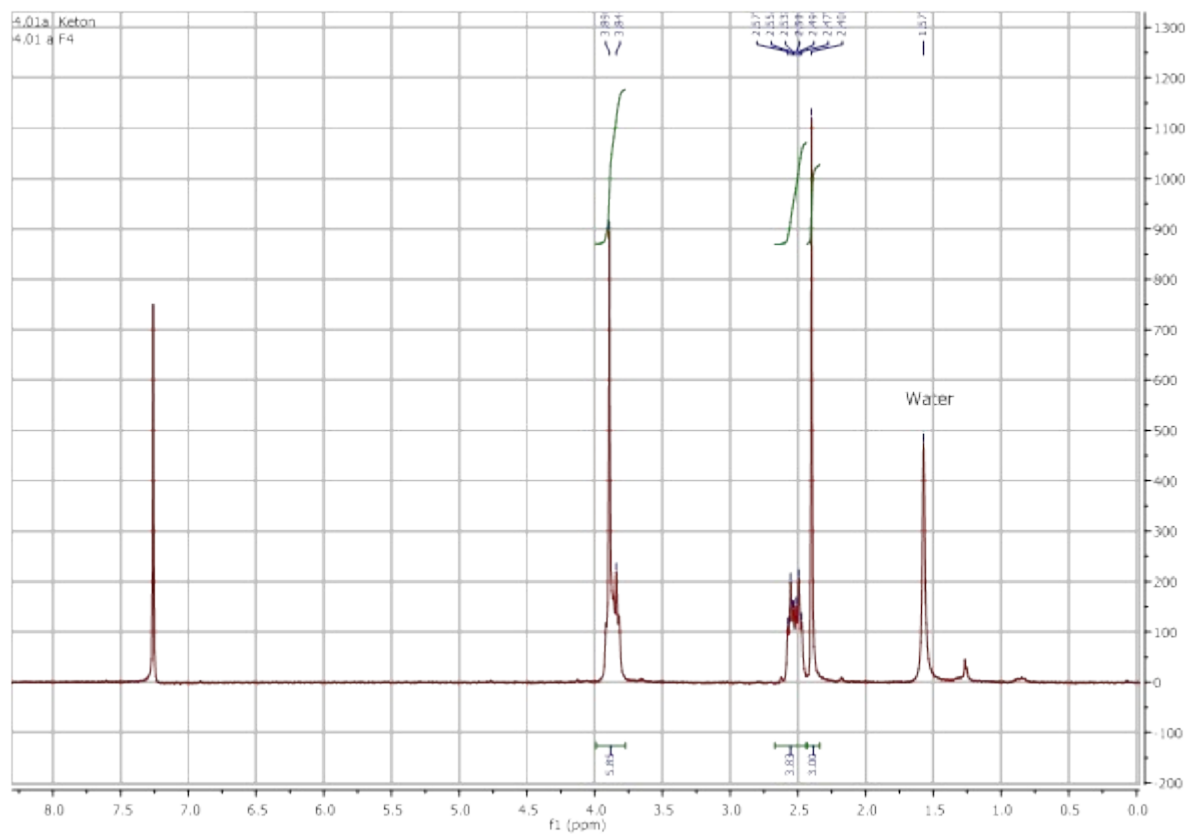


Figure 5: ^1H -NMR spectrum of **5**.

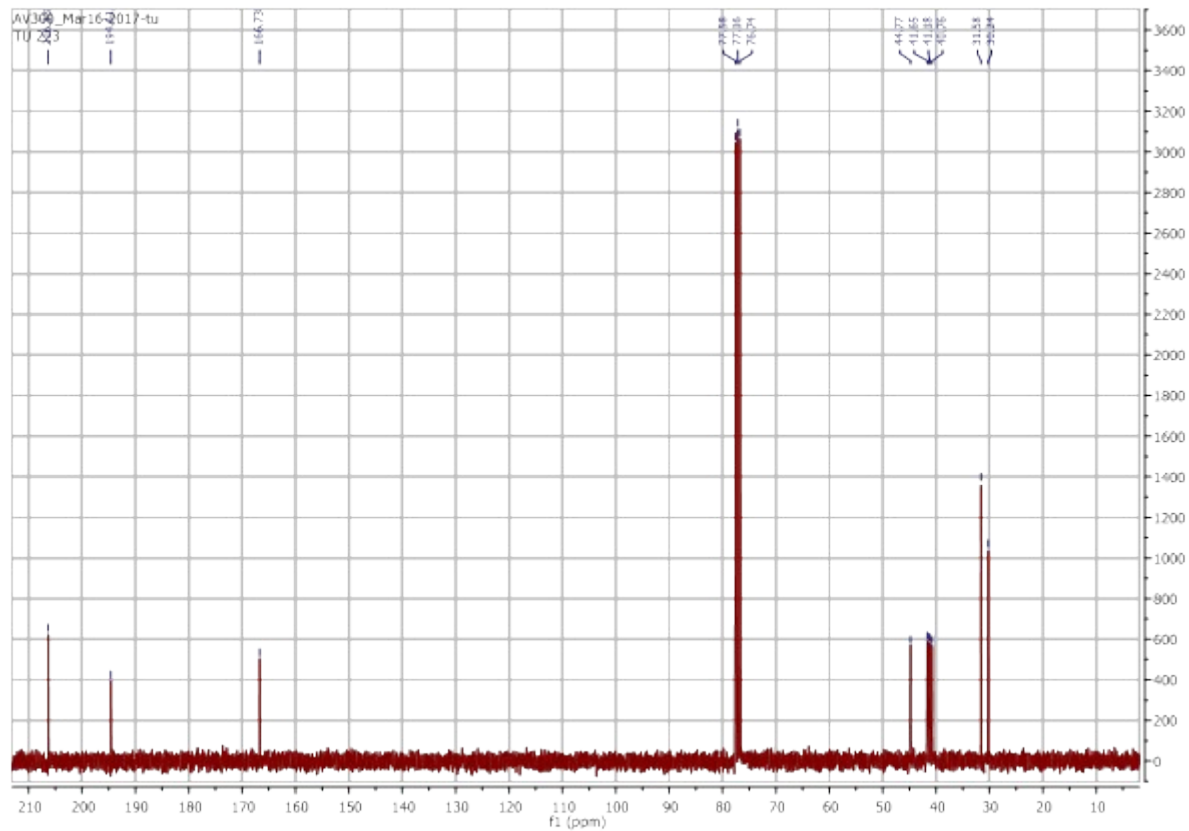


Figure 6: ^{13}C -NMR spectrum of **5**.

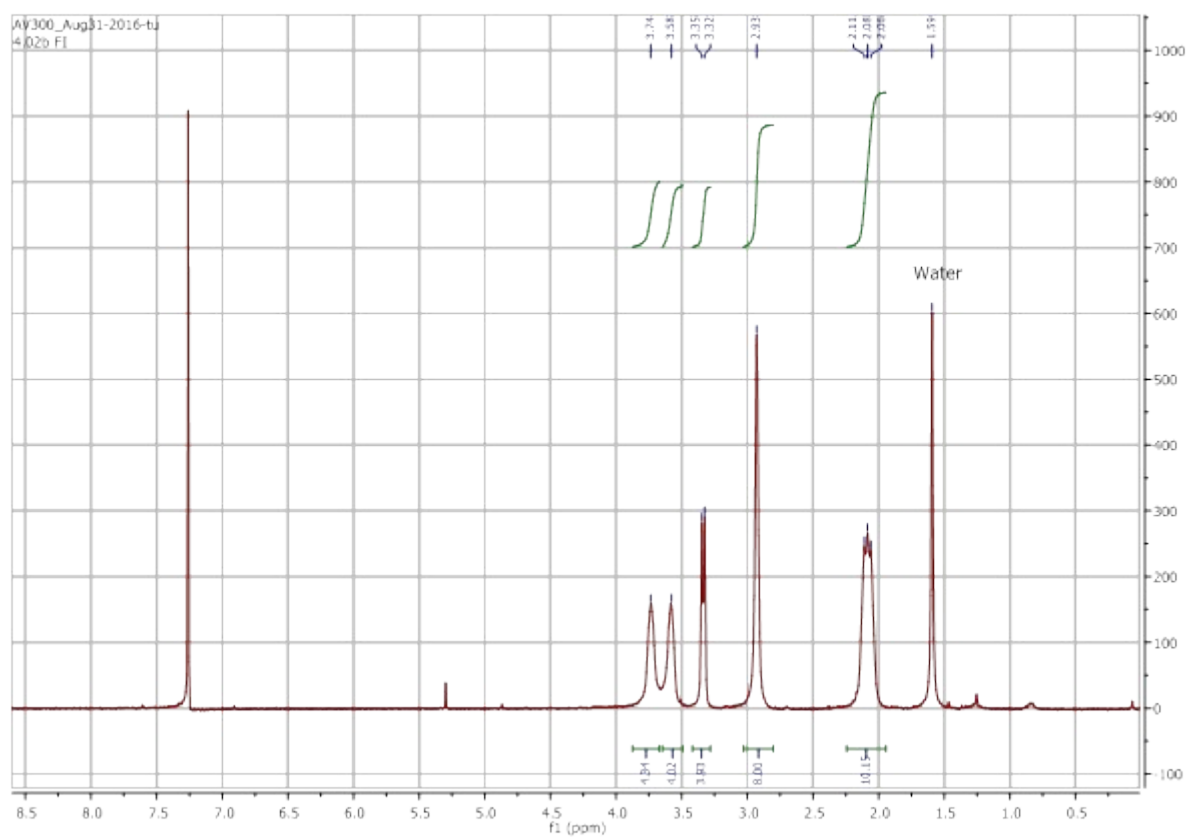


Figure 7: ^1H -NMR spectrum of **6**.

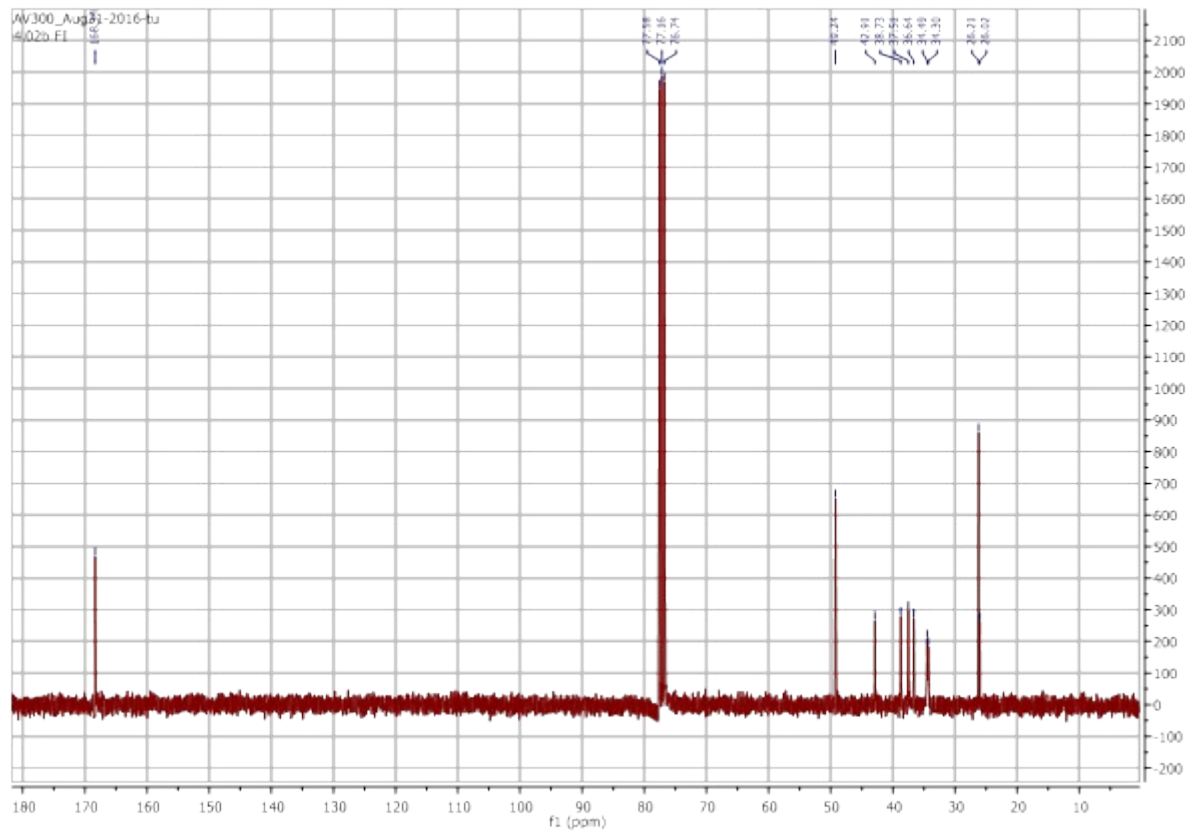


Figure 8: ^{13}C -NMR spectrum of **6**.

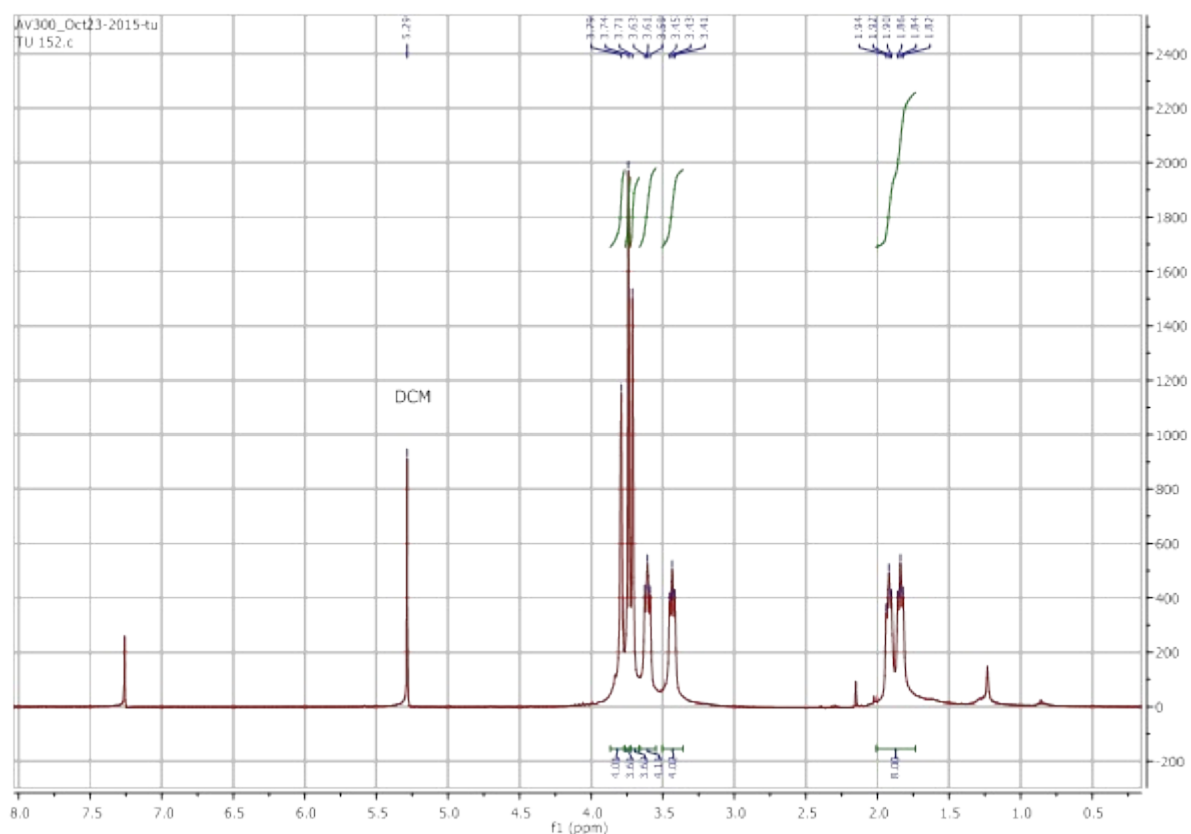


Figure 9: ^1H -NMR spectrum of **7**.

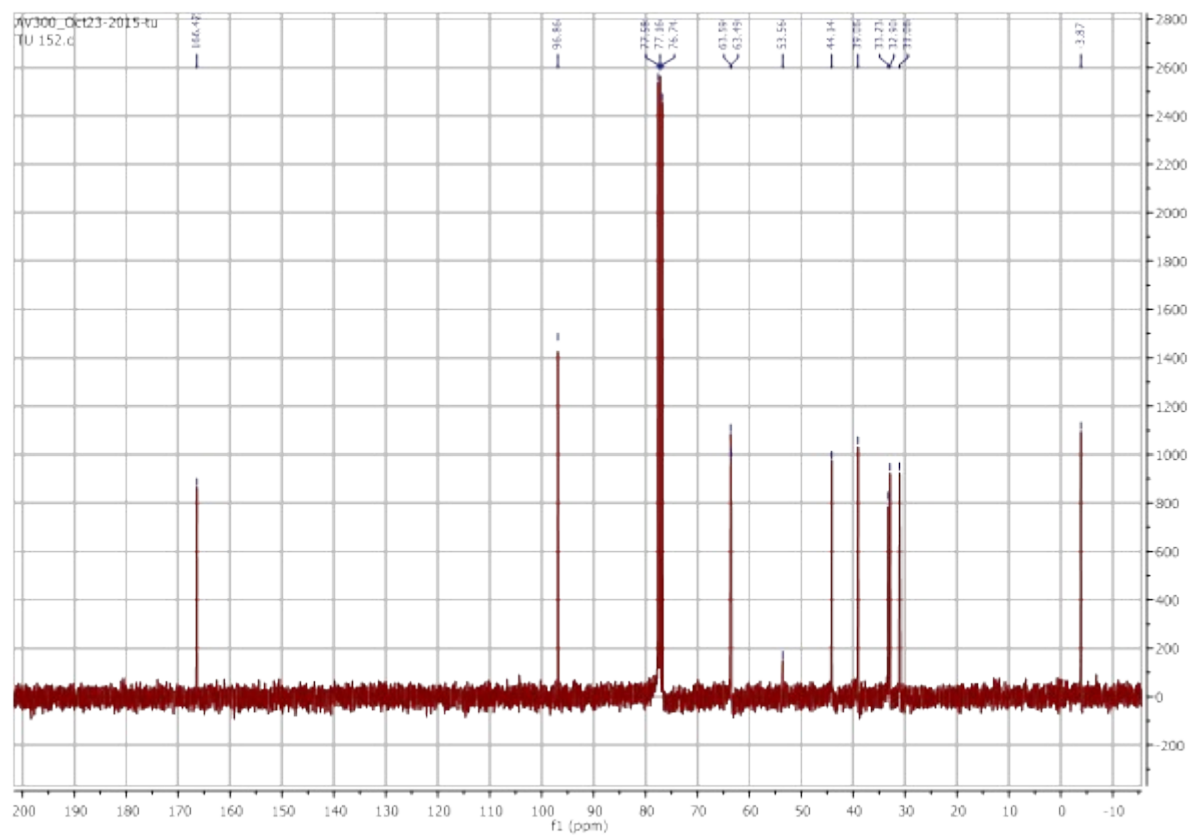


Figure 10: ^{13}C -NMR spectrum of **7**.

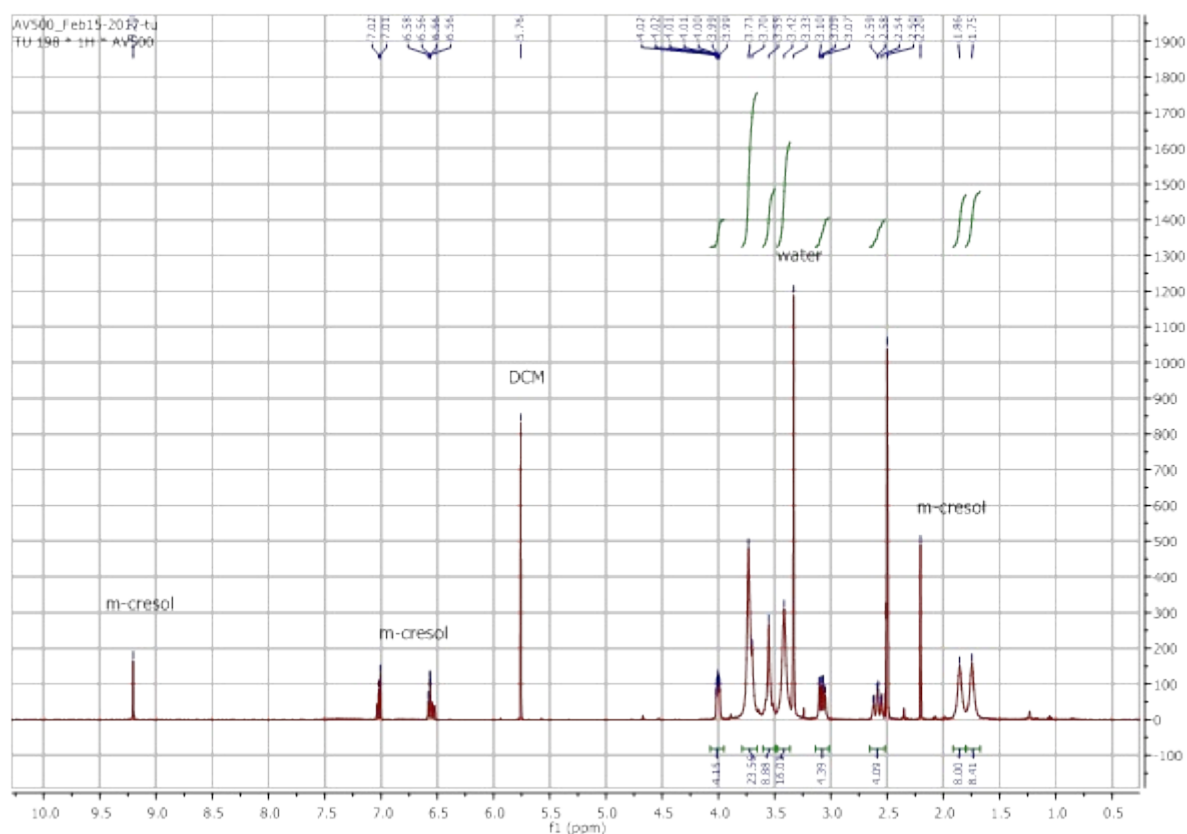


Figure 11: ^1H -NMR spectrum of PIS-1.

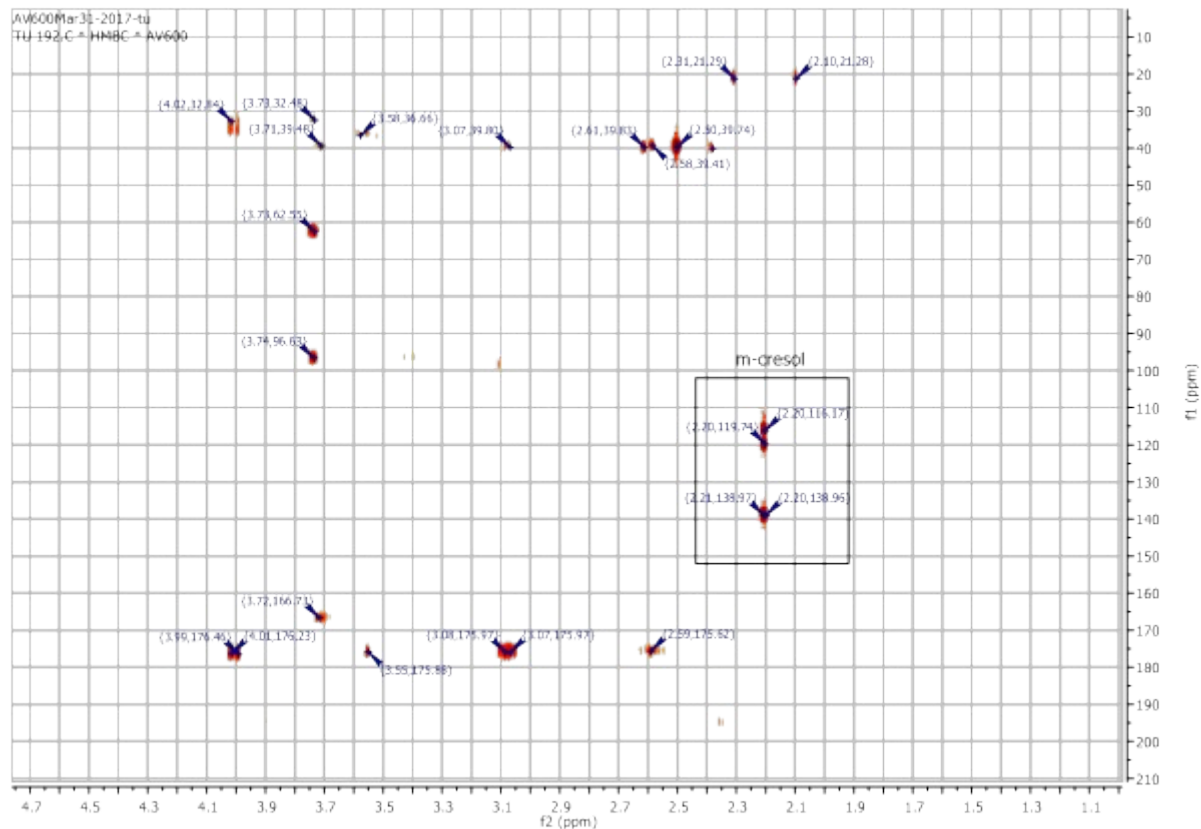


Figure 12: HMBC spectrum of PIS-1.

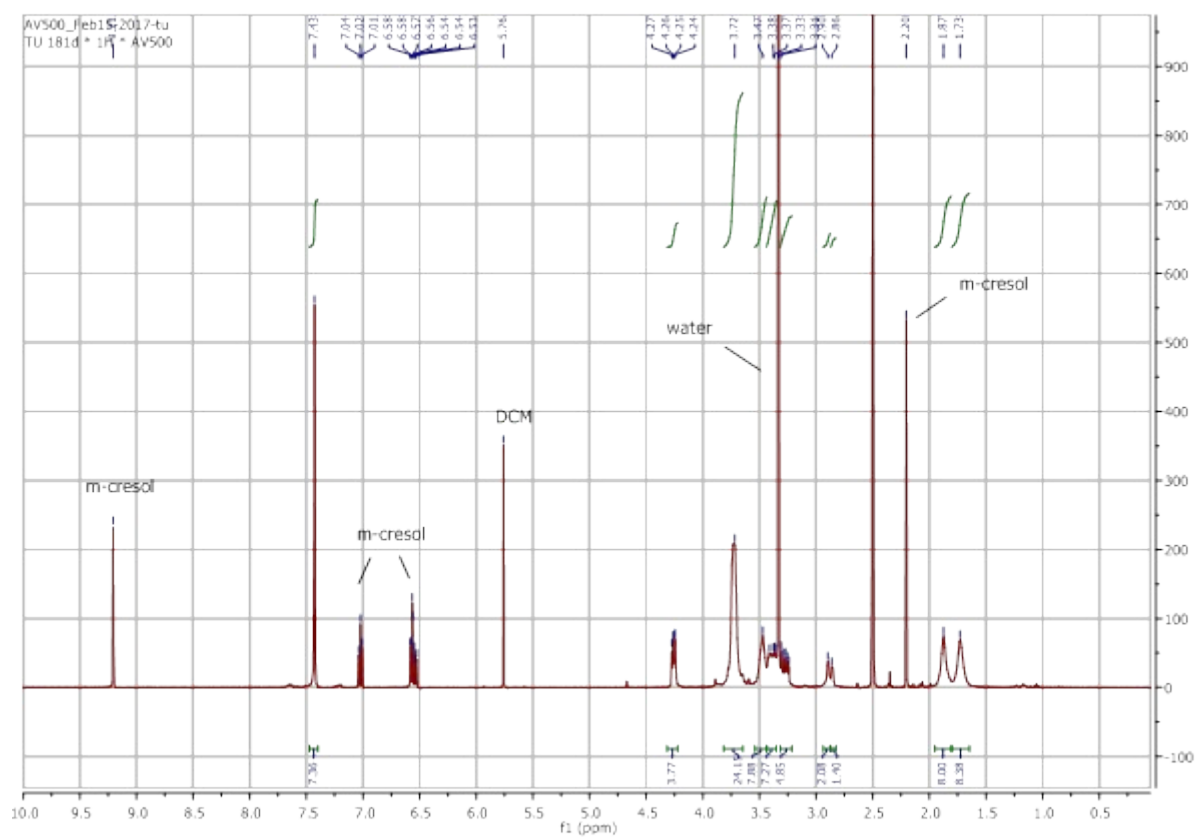


Figure 13: ^1H -NMR spectrum of PIS-2.

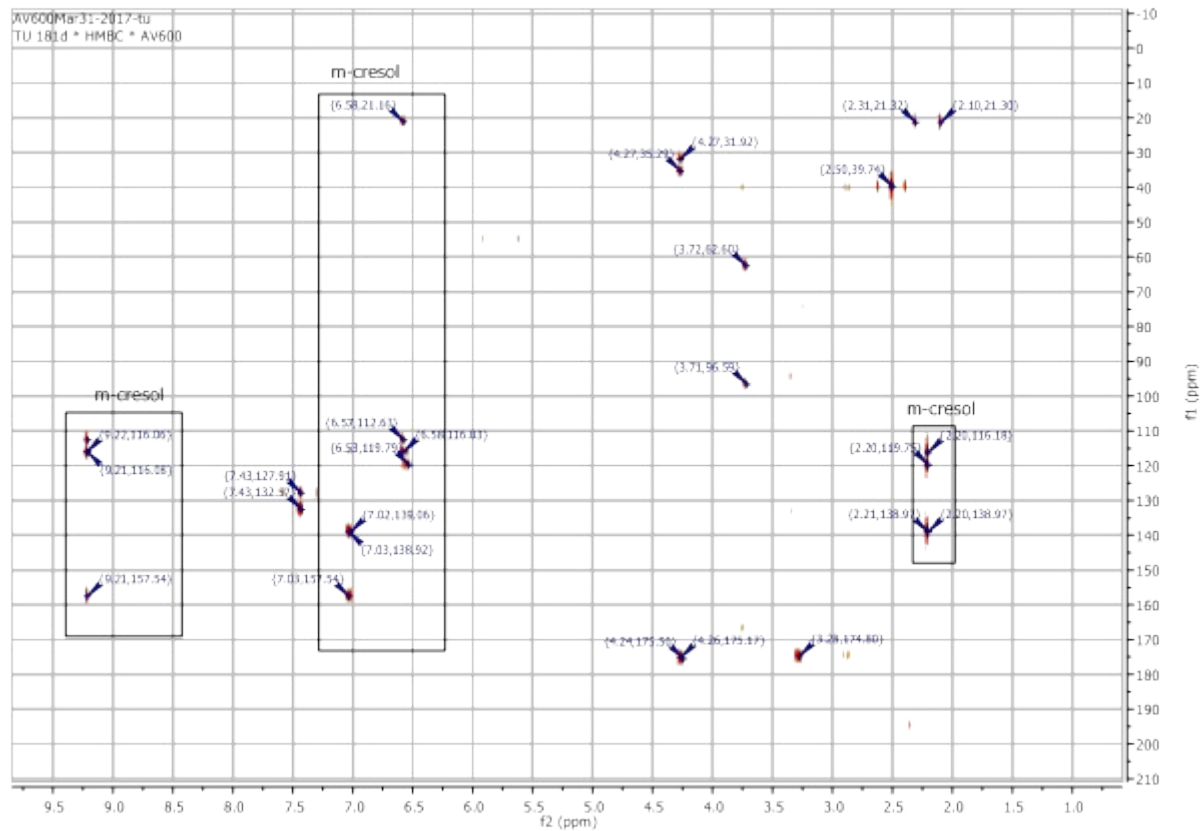


Figure 14: HMBC spectrum of PIS-2.

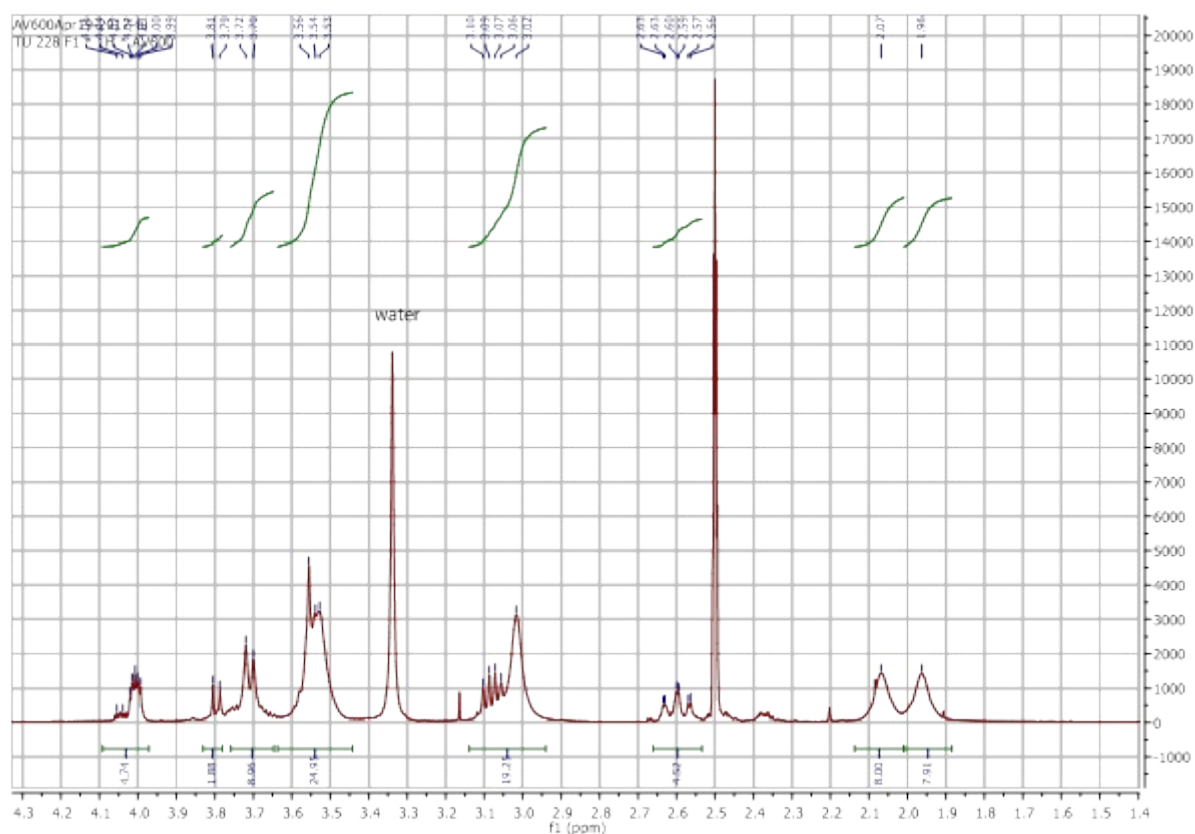


Figure 15: ^1H -NMR spectrum of PIS-3.

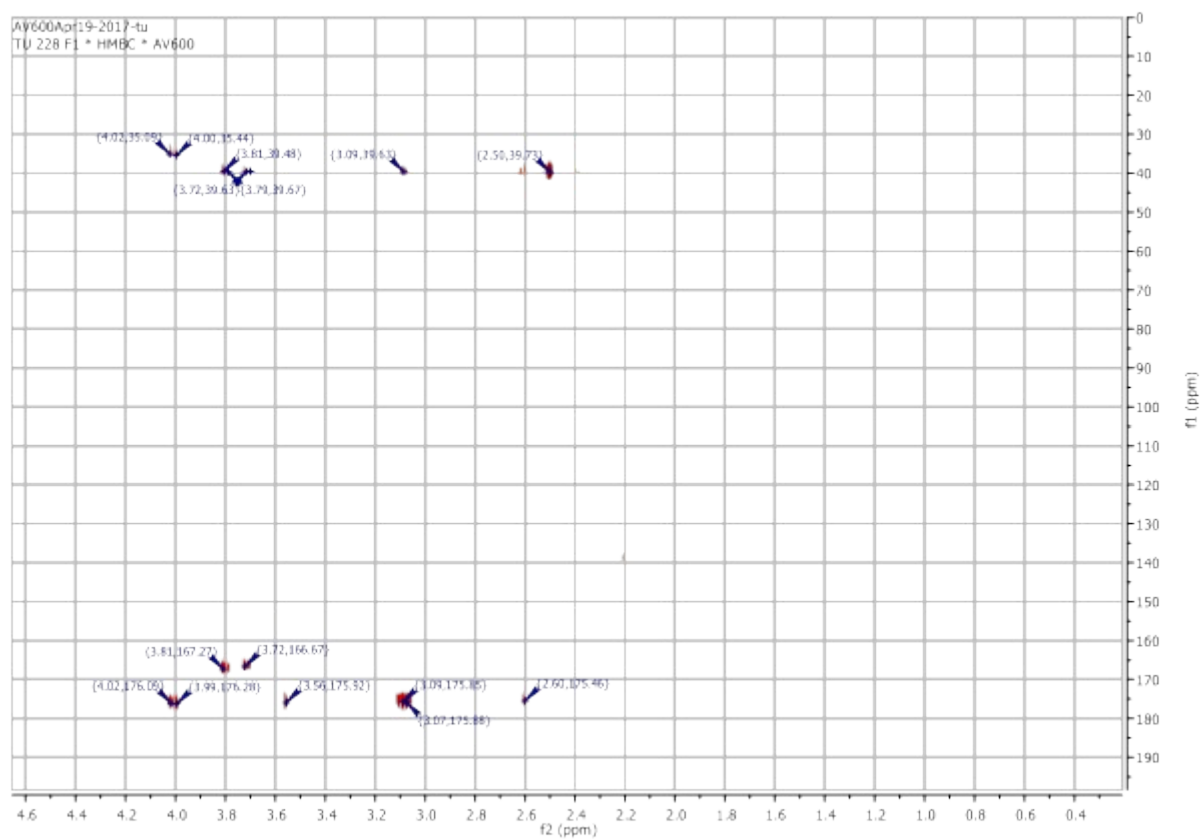


Figure 16: HMBC spectrum of PIS-3.

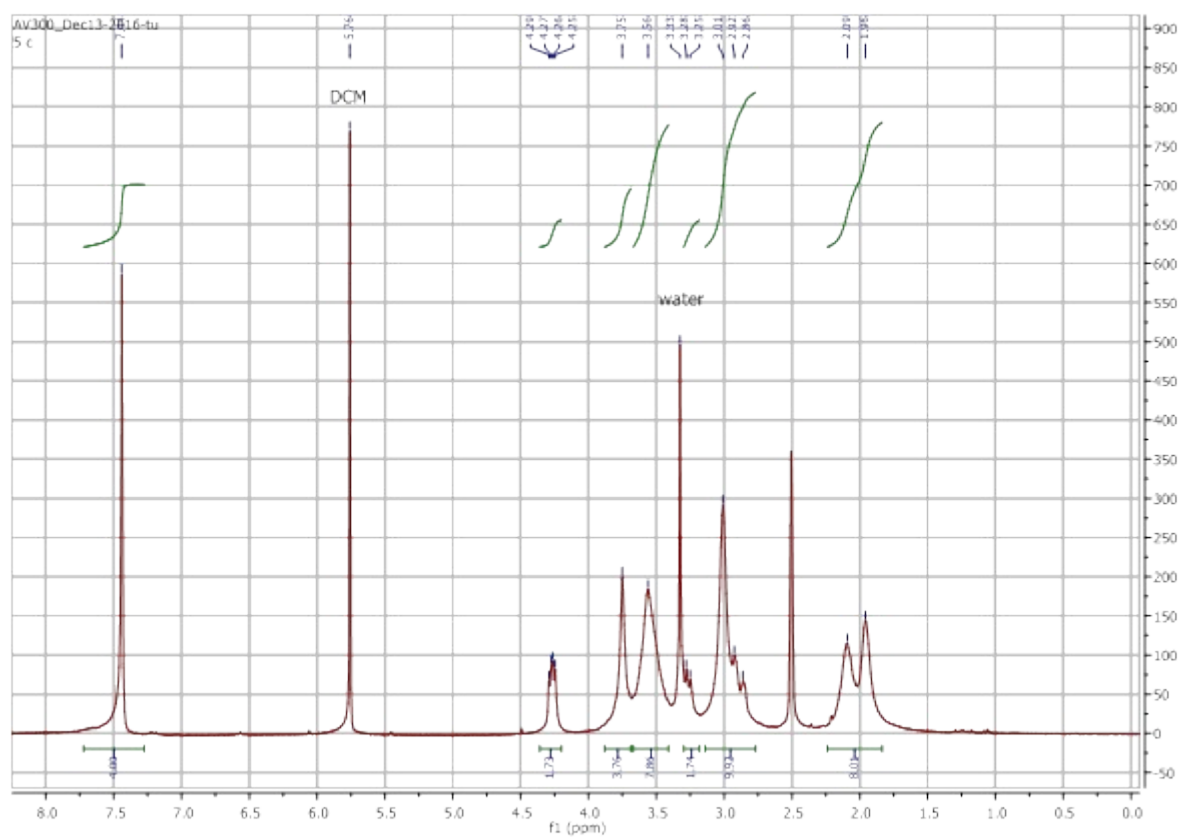


Figure 17: ^1H -NMR spectrum of PIS-4.

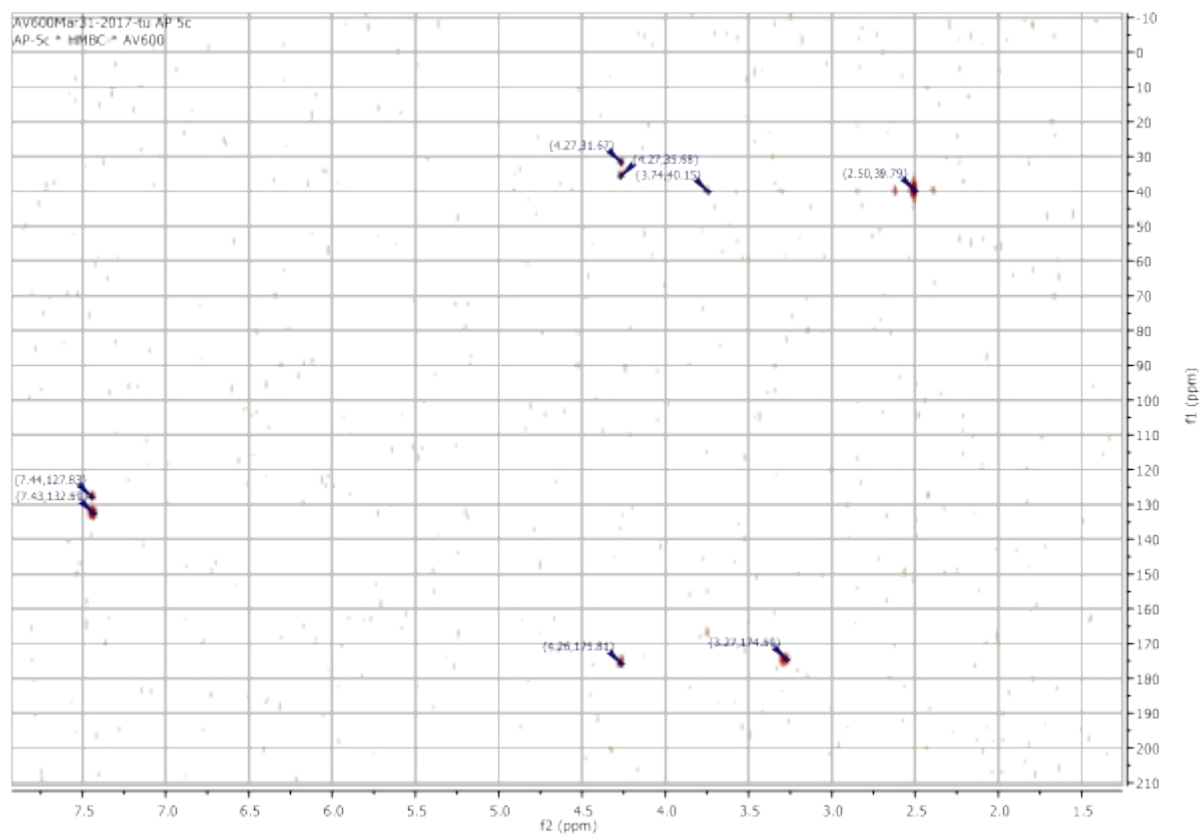


Figure 18: HMBC spectrum of PIS-4.

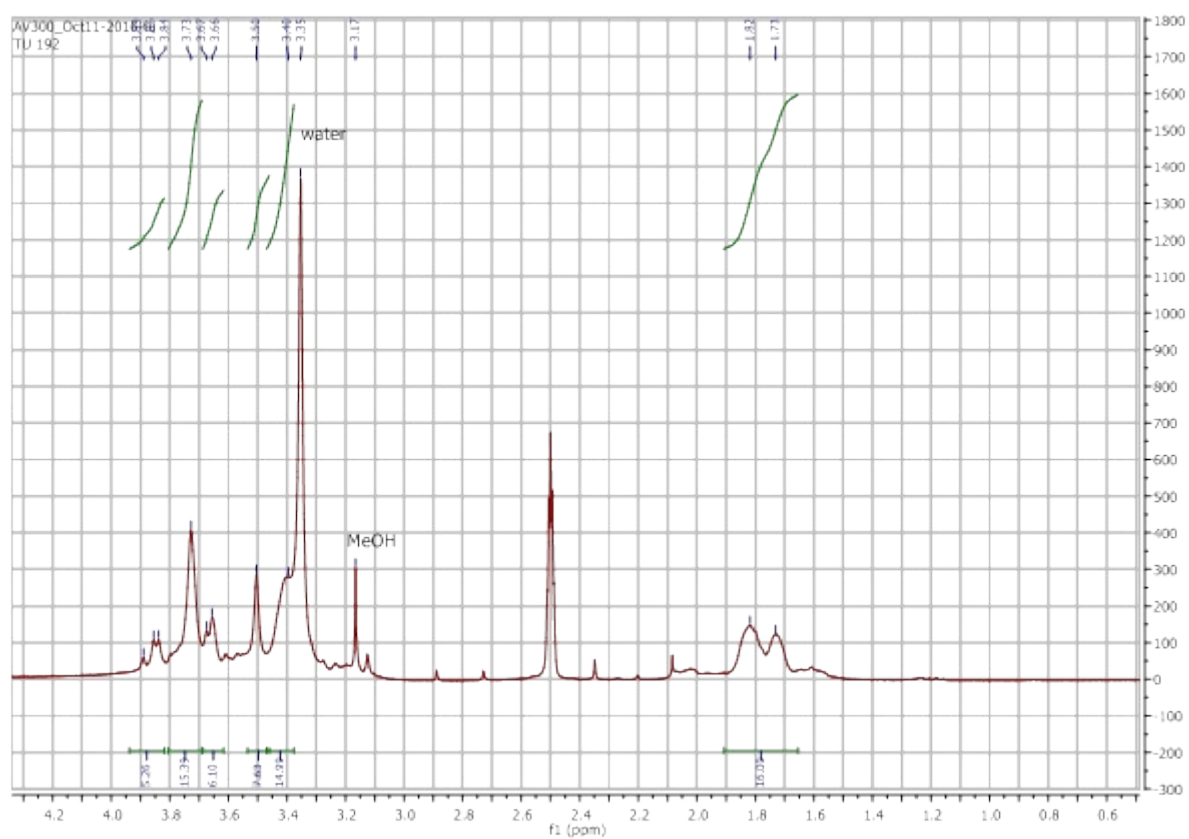


Figure 19: ^1H -NMR spectrum of PS-1.

2. Raman spectra

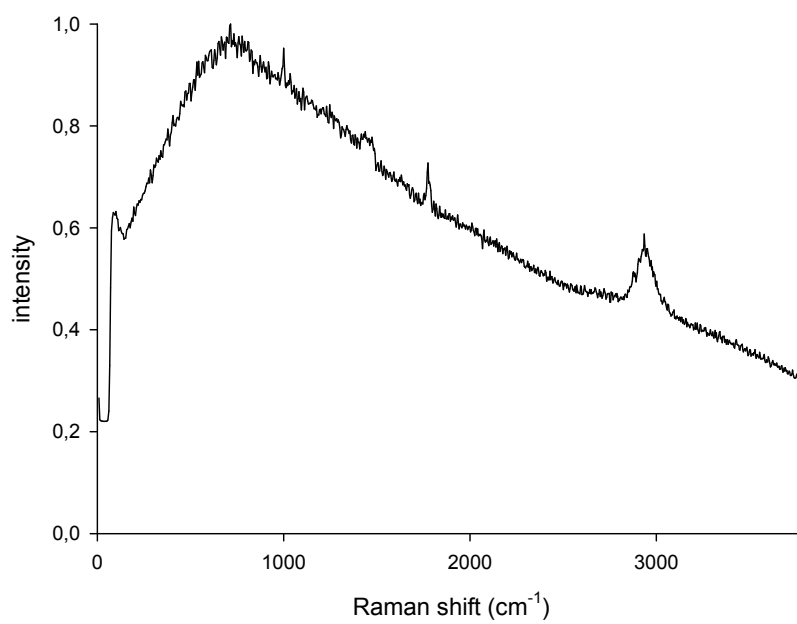


Figure 20: Raman spectrum of **PIS-1**.

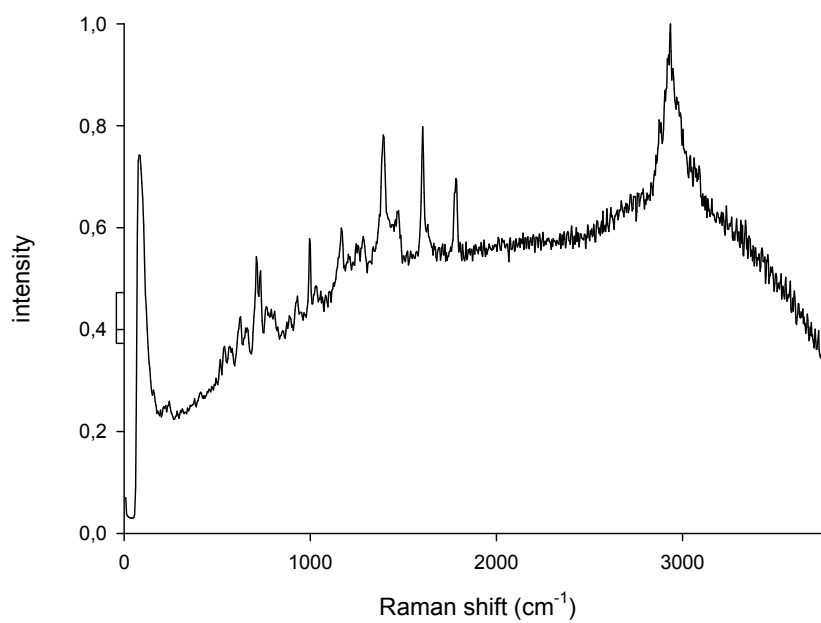


Figure 21: Raman spectrum of **PIS-2**.

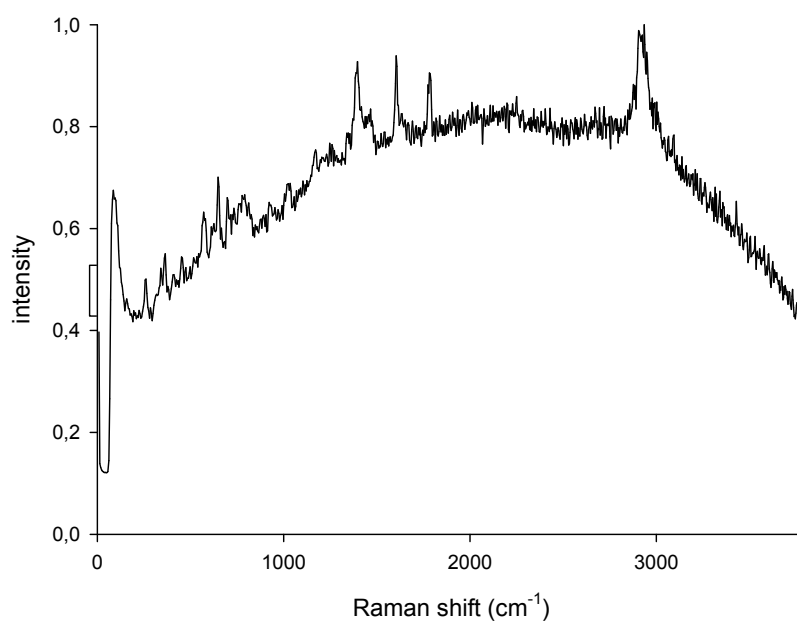


Figure 22: Raman spectrum of **PIS-4**.

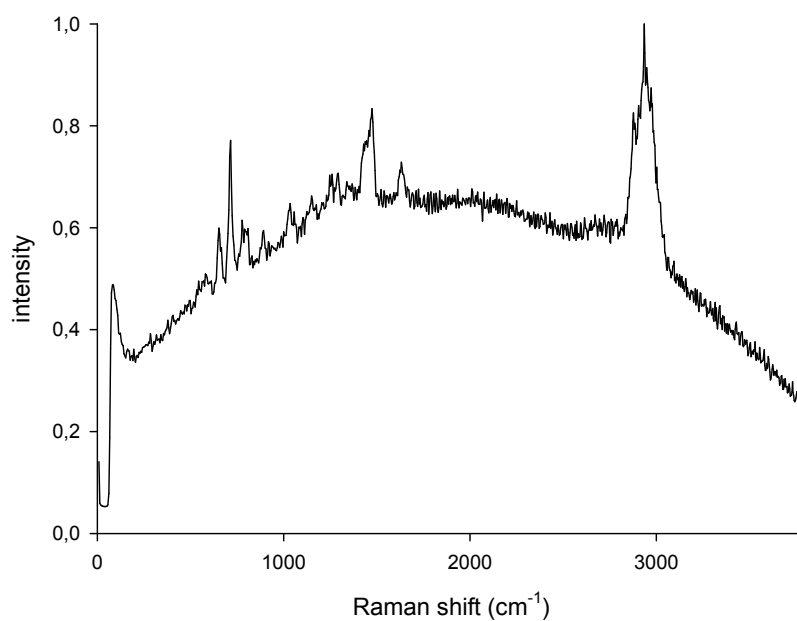


Figure 23: Raman spectrum of **PS-1**.

3. Thermogravimetric analyses

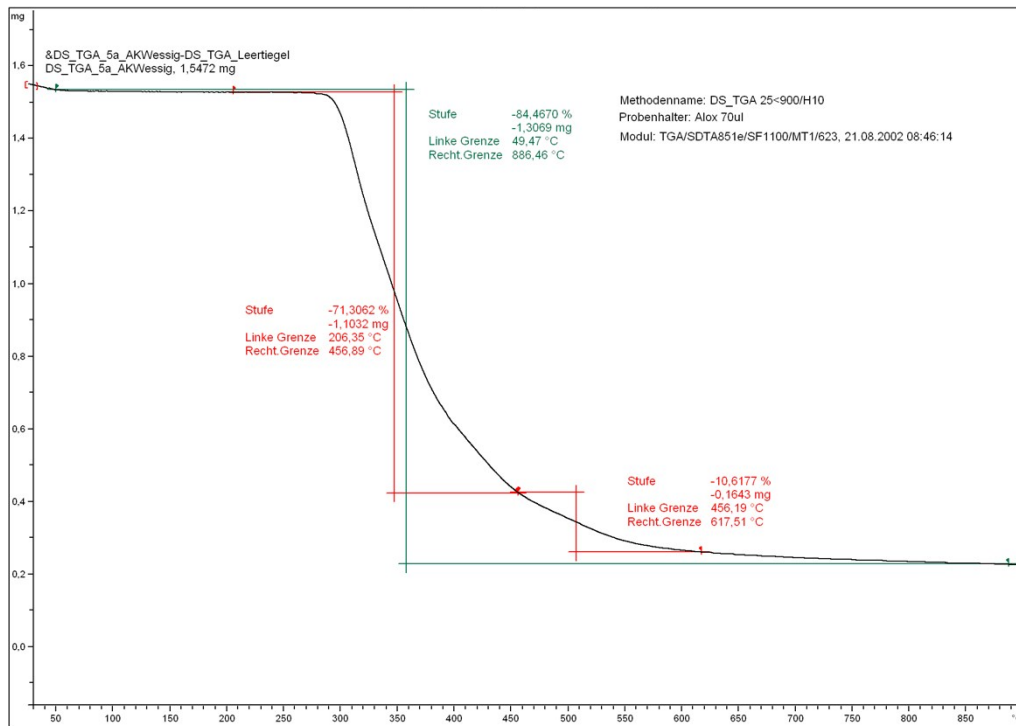


Figure 24: TGA curve of PIS-1.

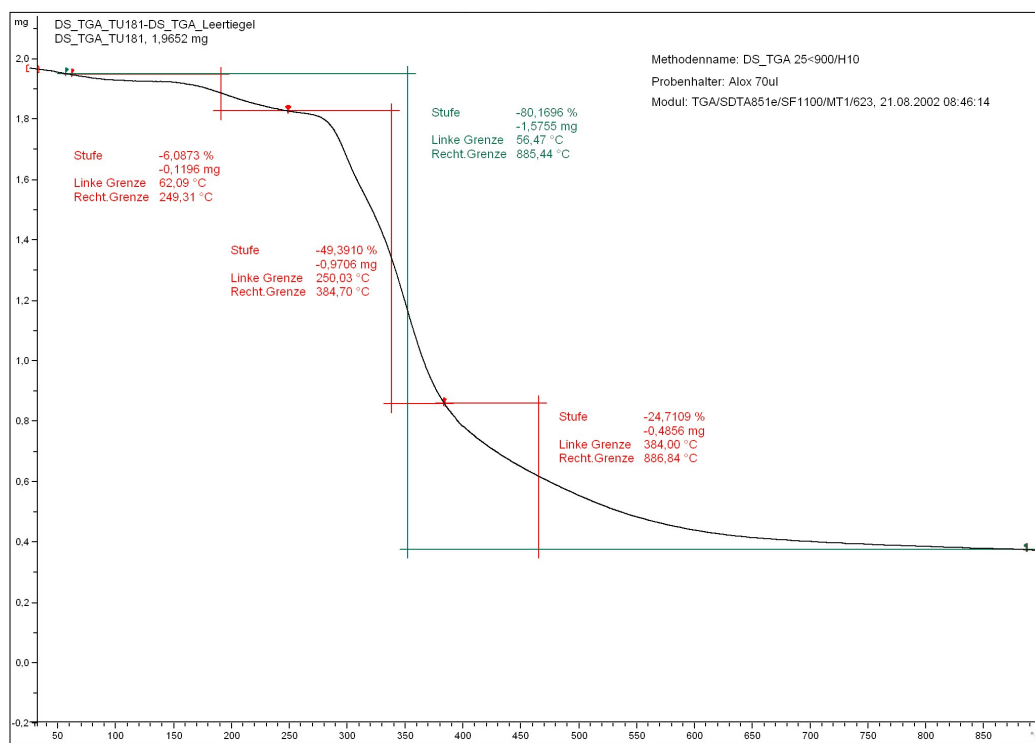


Figure 25: TGA curve of PIS-2.

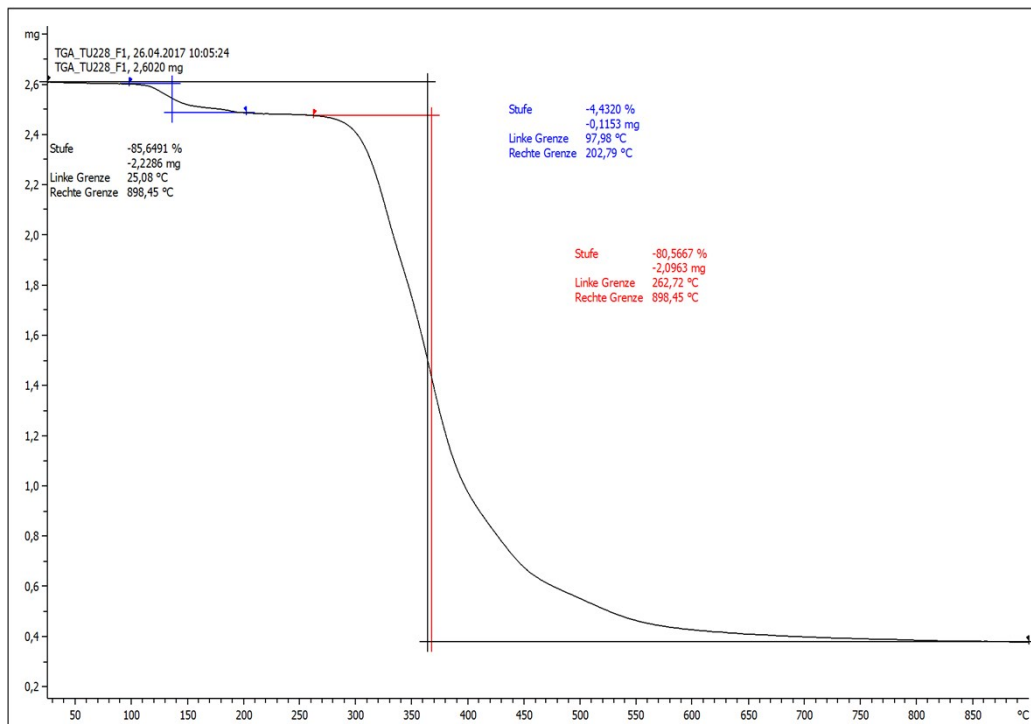


Figure 26: TGA curve of PIS-3.

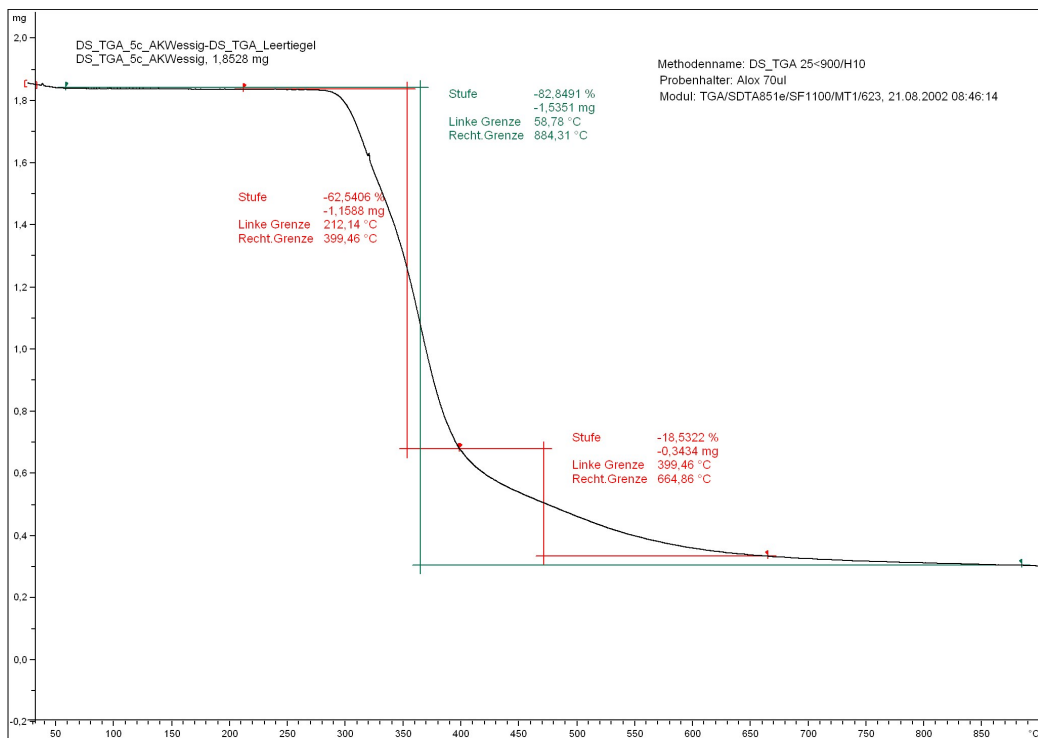


Figure 27: TGA curve of PIS-4.

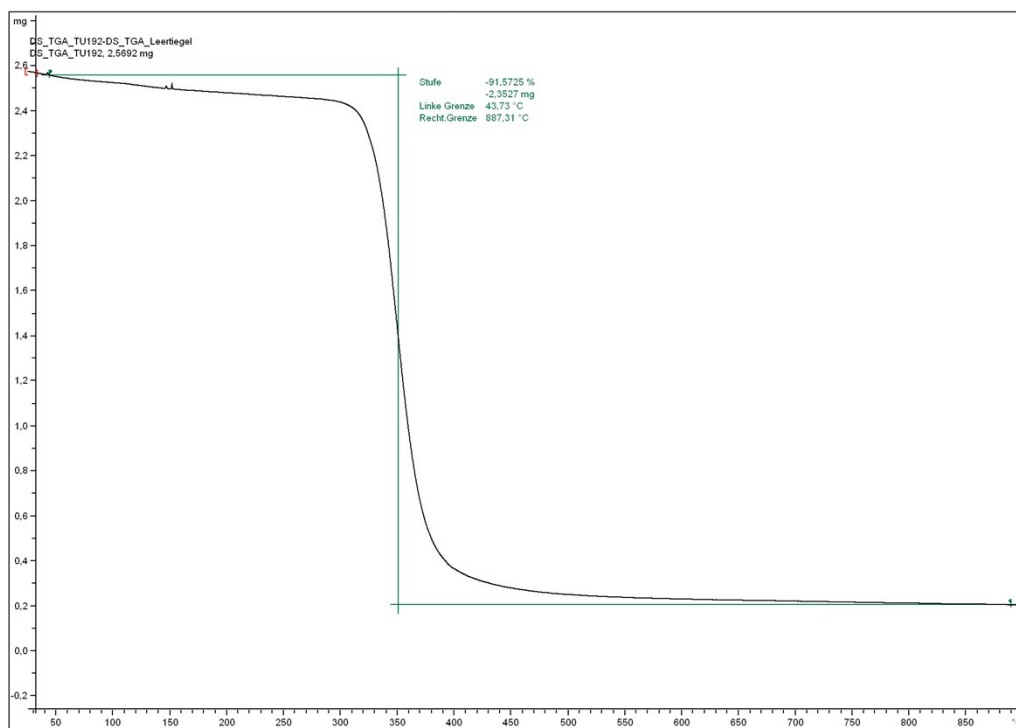


Figure 28: TGA curve of **PS-1**.