

Supplementary Materials

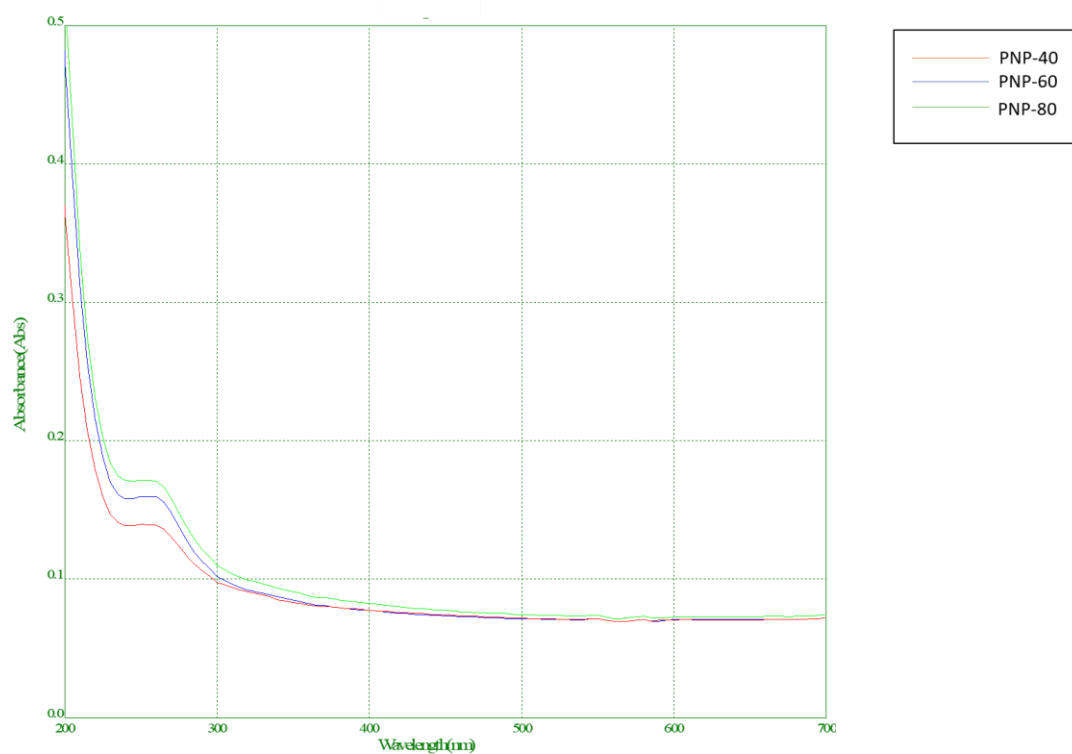


Figure S1. Ultraviolet–visible absorption spectra of PNP-40, PNP-60, and PNP-80.

Table S1. Assignment of ^1H and ^{13}C NMR spectra for PNP-80.

Peak of C spectrum	Chemical shift of C spectrum(ppm)	Peak of H spectrum	Chemical shift of H spectrum(ppm)
A	20	a	1.23
		b	1.24
B	60.75	f	3.62
		h	3.73
C	68	i	4.07
		j	4.09
D	70	c	3.3
E	71	d	3.4
		e	3.5
F	72	g	3.7
G	93.45	k	5.08
H	181.3		

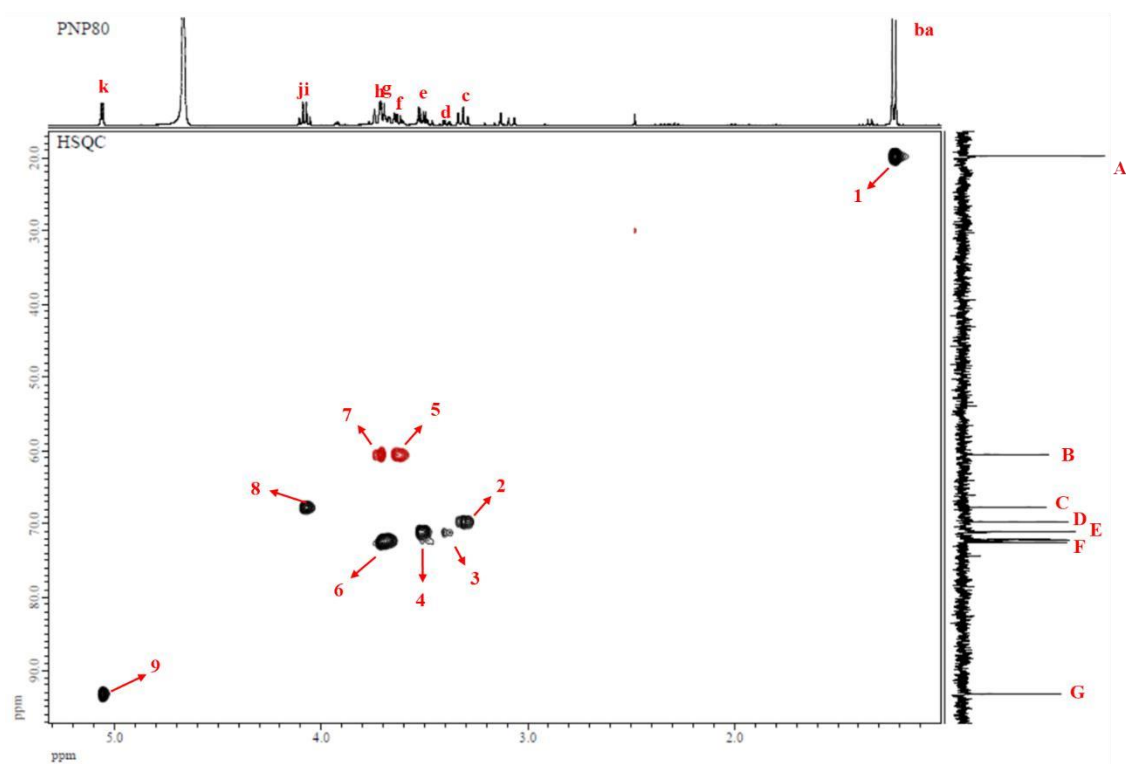


Figure S2. The HSQC spectra of PNP-80.

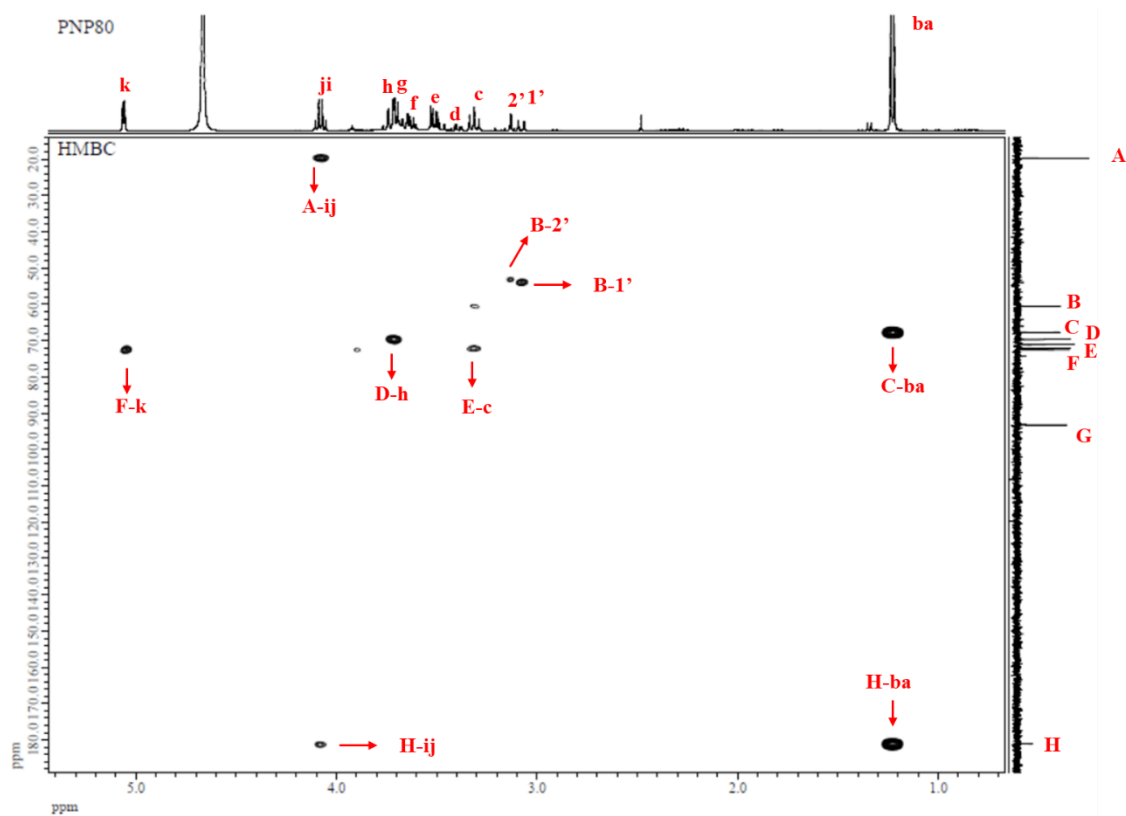


Figure S3. The HMBC spectra of PNP-80.

20210710-2021PNP40

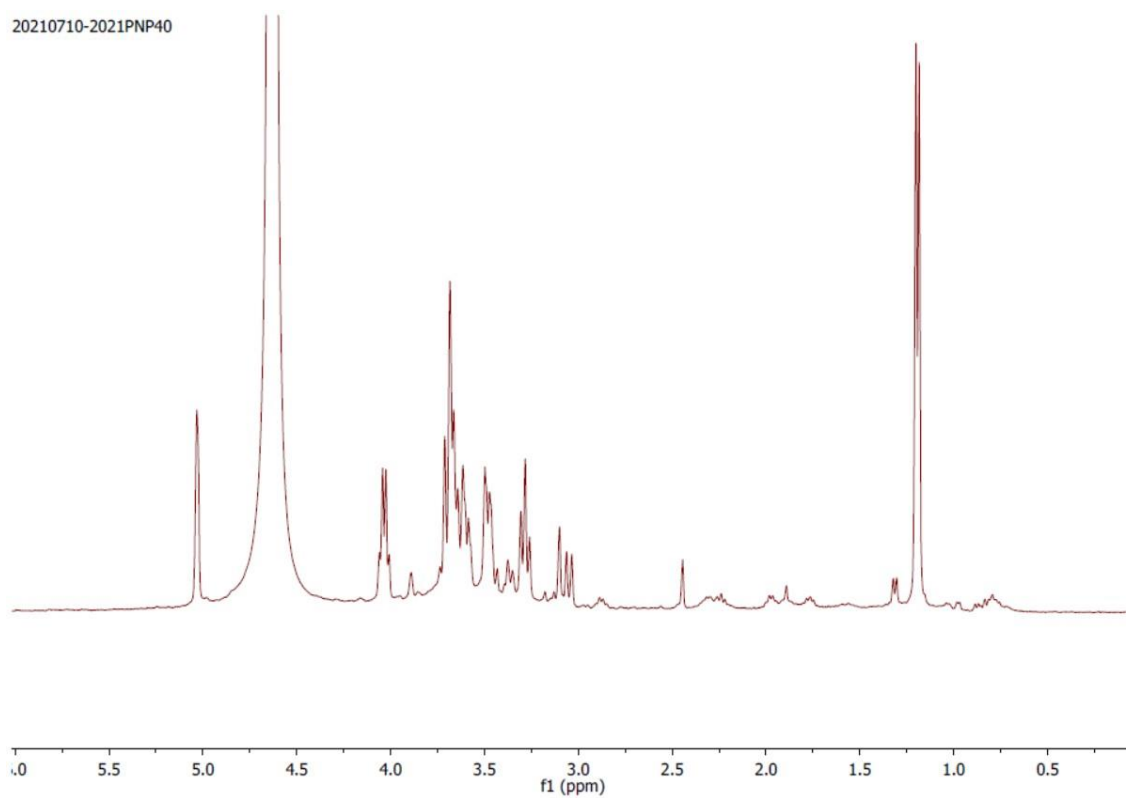


Figure S4. ¹H NMR spectroscopy of PNP-40.

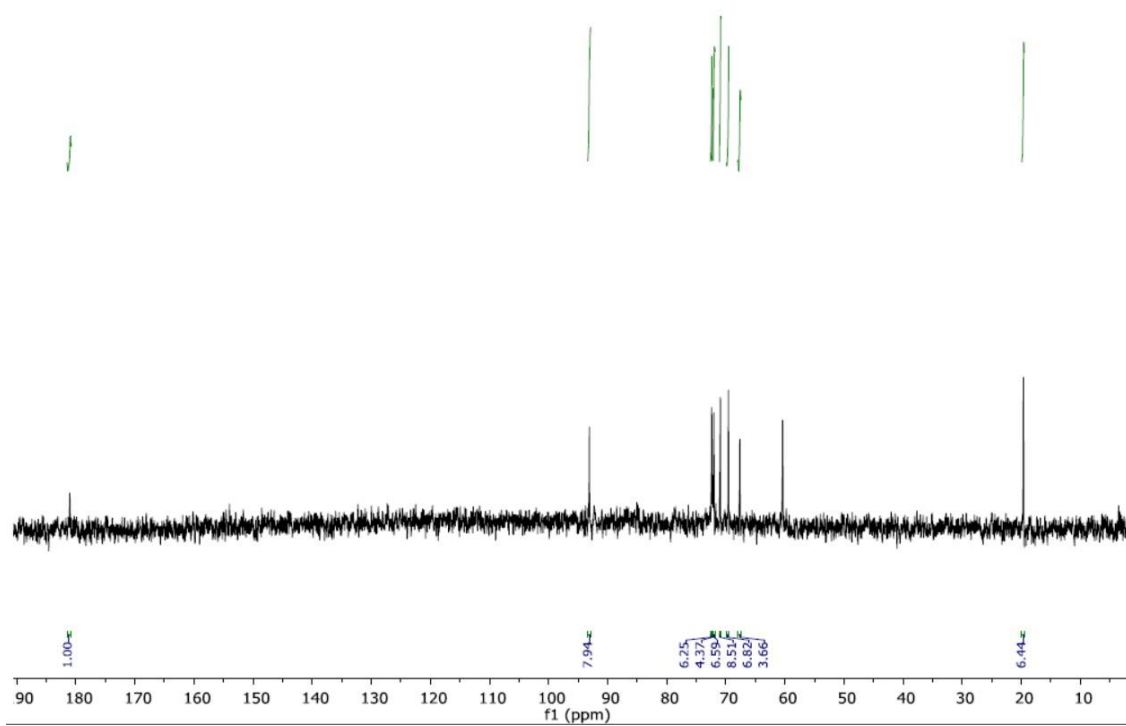


Figure S5. ¹³C NMR spectroscopy of PNP-40.

20210709-2021PNP60

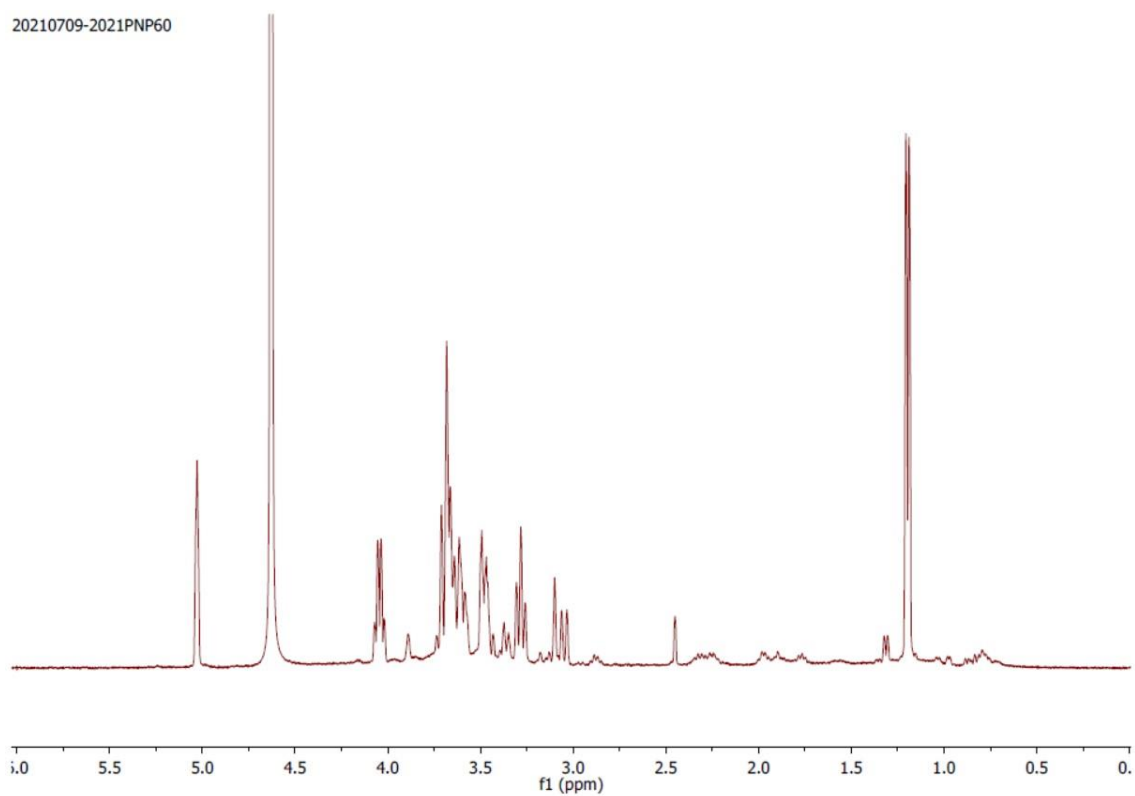


Figure S6. ¹H NMR spectroscopy of PNP-60.

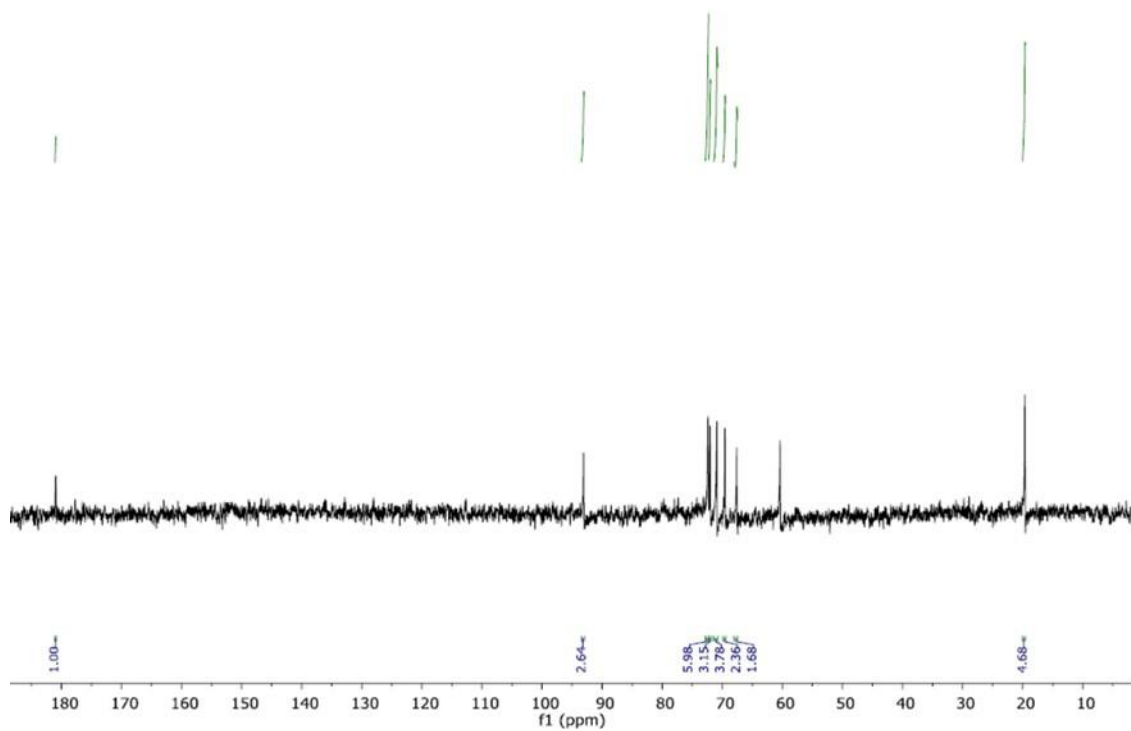


Figure S7: ¹³C NMR spectroscopy of PNP-60