

Figure 3.11 Chromatogram of polymer P2. Plot of the refractive index response versus time.

Table 3.1 Properties of polymers P1 – P6.

Polymer	Functional Group	Amount		Molecular weight		
		Mol %	(mmol/g)	M _w	M _n	M _w /M _n
P1	ONp groups	7.5	0.47	25,000	19,000	1.3
P2	ONp groups	9.5	0.60	20,000	16,000	1.3
P3	ONp groups	7.5	0.53	25,000	18,000	1.4
P4	ONp groups	4.5	0.23	33,000	17,000	1.9
	Galactose	19	1.0			
P5	ONp groups	6.8	0.34	22,000	16,000	1.4
	Galactose	14	0.78			
P6	ONp groups	3.3	0.22	29,000	21,000	1.4
	LR	0.9	0.058			

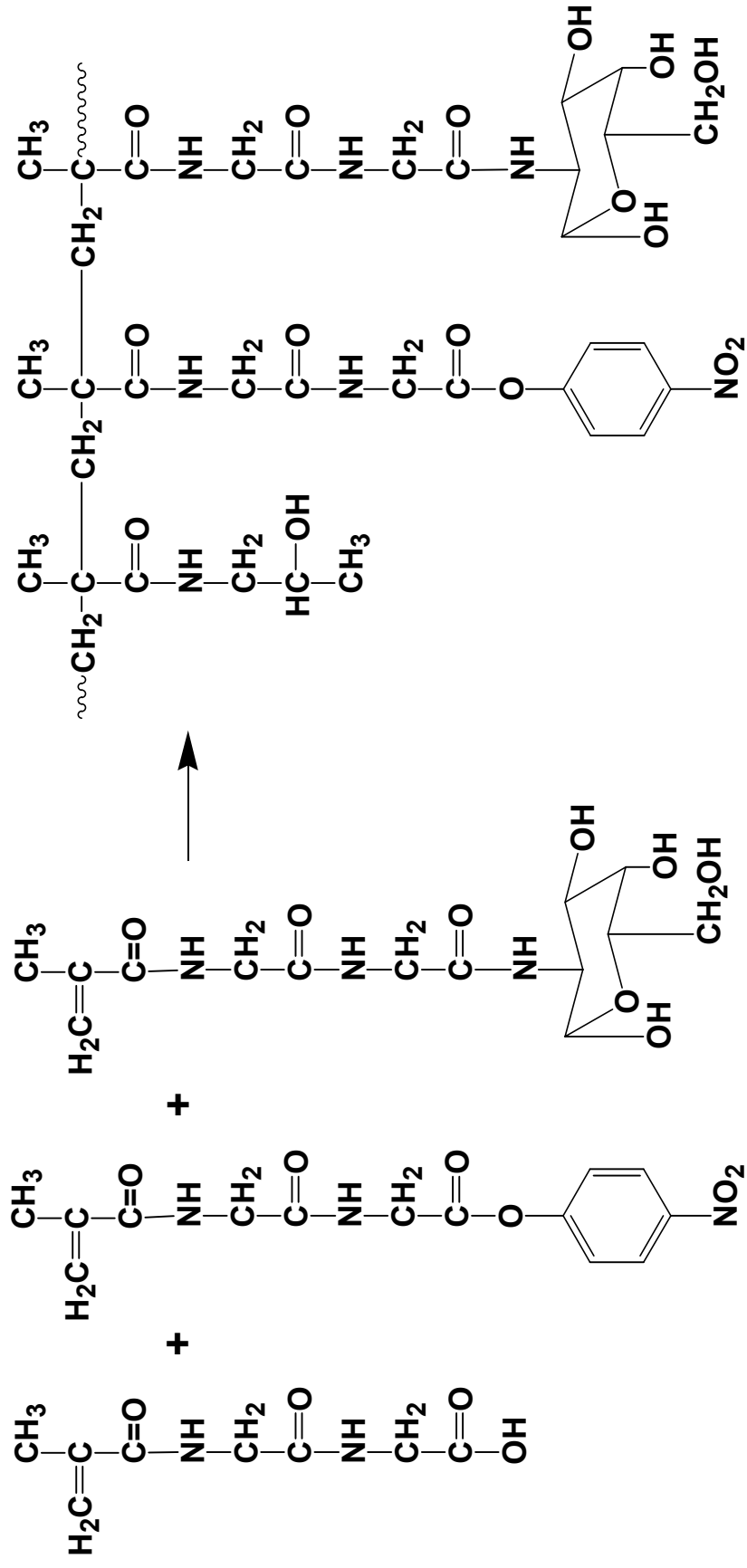


Figure 3.15. Polymerization of HPMA, MA-GG-ONp, and MA-GG-Galn to give polymers P4 and P5.