

SUPPORTING INFORMATION

A Modular and Orthogonally Reactive Platform for Fabrication of Polymer-Drug Conjugates for Targeted Delivery

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Figure S1. SEC traces of copolymers P1-P5 (Eluent: THF).

Figure S2. ¹H NMR spectra of copolymers P2, P4 and P5.

Figure S3. ¹H NMR spectrum of CTA-Mal.

Figure S4. ¹³C NMR spectrum of CTA-Mal.

Figure S5. SEC traces of FM-P and M-P (Eluent: DMAc).

Table S1. Kelen-Tudos analysis for reactivity ratio determination of DEGMA and SCEMA.

Figure S6. SEC analysis of M-P, M-P-Dox and F-P-Dox (Eluent: DMAc).

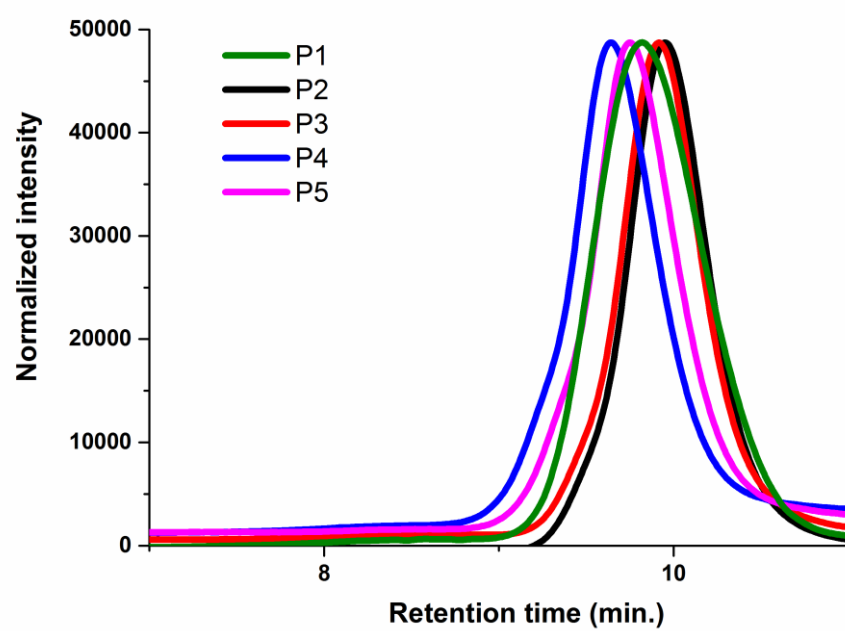


Figure S1. SEC traces of copolymers P1-P5 (Eluent: THF).

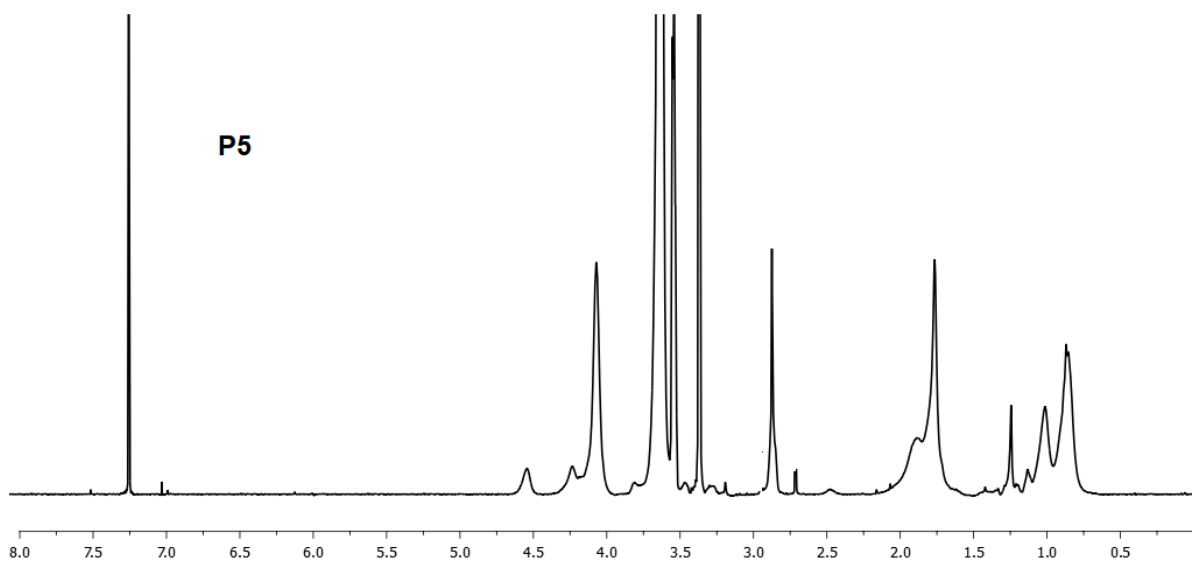
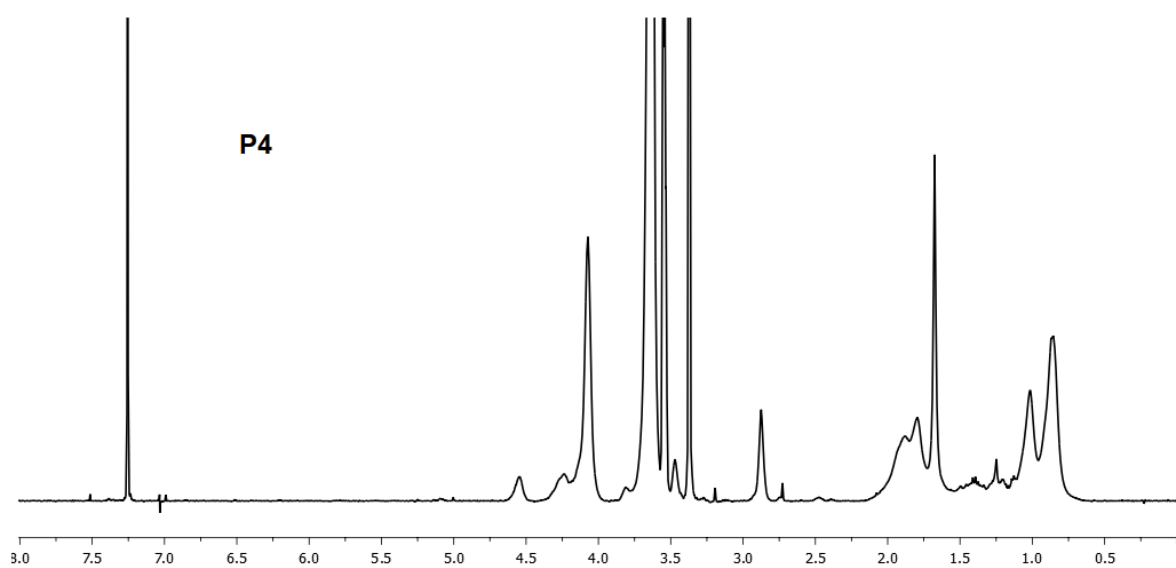
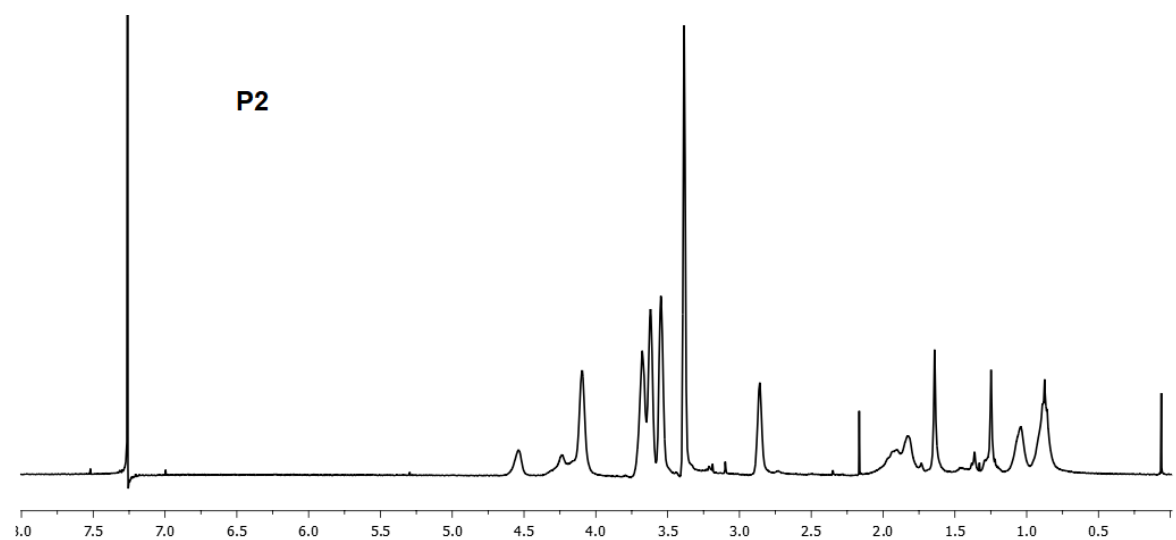


Figure S2. ^1H NMR spectra of copolymers P2, P4 and P5.

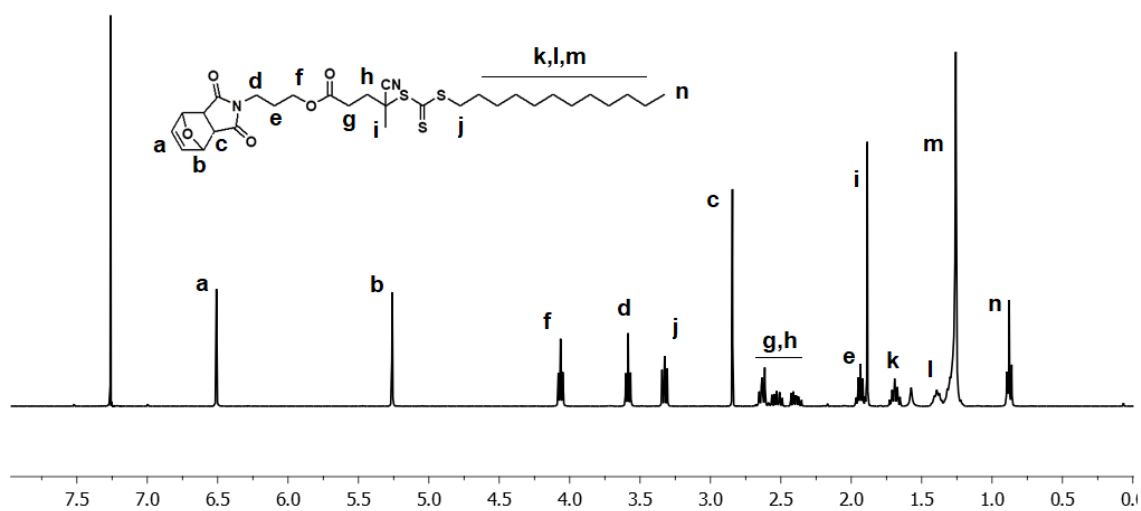


Figure S3. ^1H NMR spectrum of CTA-Mal.

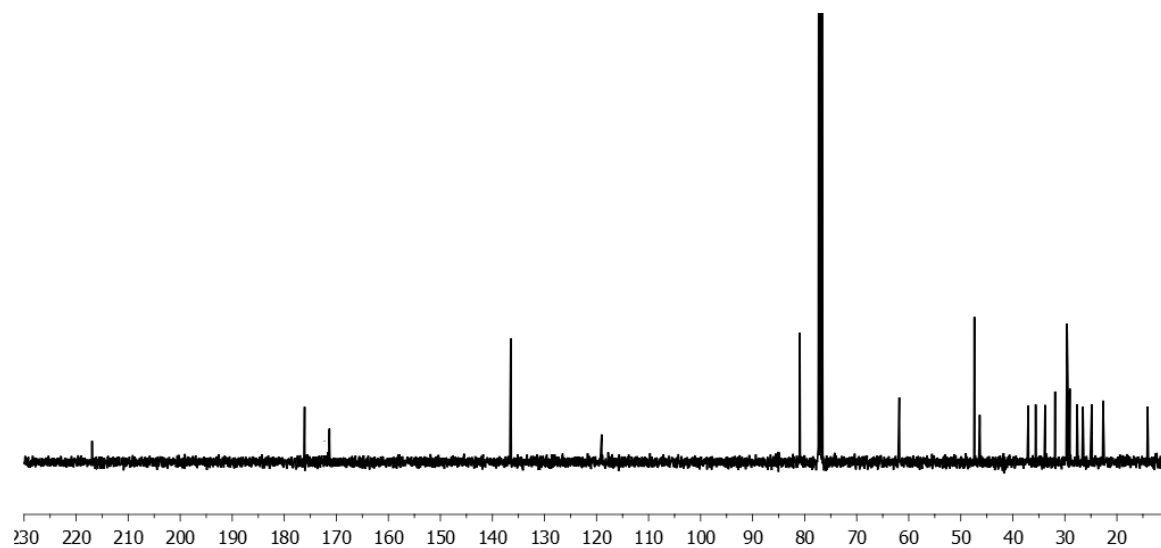


Figure S4. ^{13}C NMR spectrum of CTA-Mal.

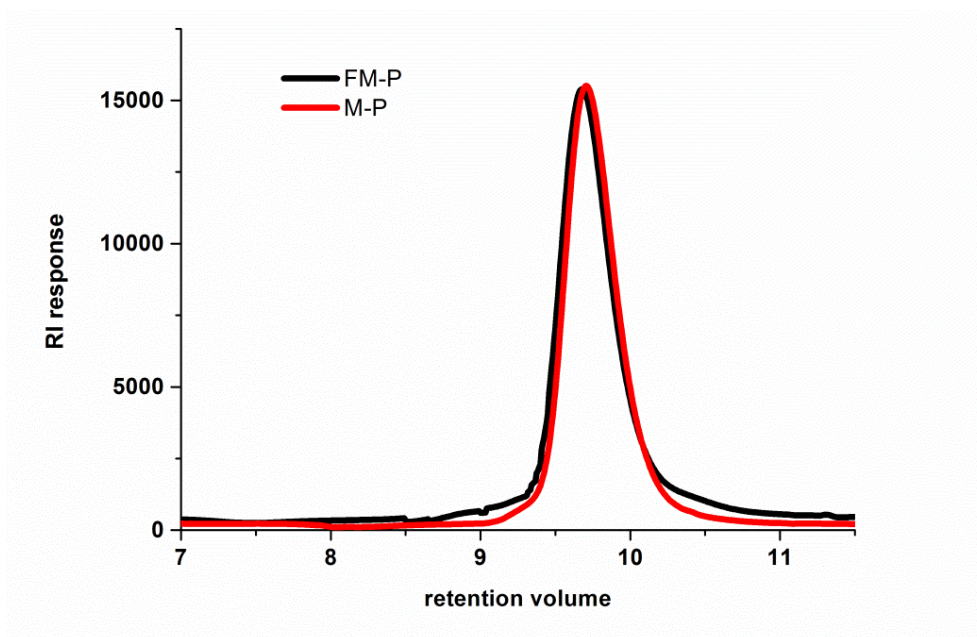
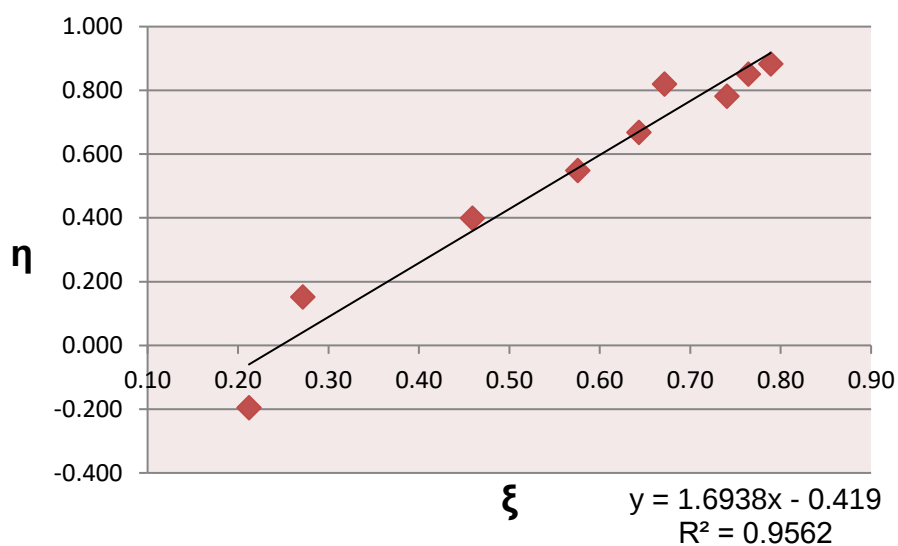


Figure S5. SEC traces of FM-P and M-P (Eluent: DMAc).

Table S1. Kelen-Tudos linearization analysis for reactivity ratio determination of DEGMA and SCEMA:

Sample	M1 (DEGMA)	M2 (SCEMA)	F=M1/M2	f=m1/m2	G=F(f-1)/f	H=F ² /f	$\xi=H/(\alpha+H)$	$\eta=G/(\alpha+H)$
1	1/3	2/3	0.5	0.54	-0.426	0.46	0.22	-0.202
2	1/2	1/2	1.00	1.56	0.36	0.64	0.28	0.16
3	2/3	1/3	2.00	2.94	1.32	1.36	0.45	0.44
4	3/4	1/4	3.00	3.86	2.22	2.33	0.59	0.56
5	4/5	1/5	4.00	5.16	3.22	3.10	0.65	0.68
6	5/6	1/6	5.00	7.11	4.30	3.52	0.68	0.83
7	6/7	1/7	6.00	7.34	5.18	4.90	0.75	0.79
8	7/8	1/8	7.00	8.80	6.20	5.57	0.77	0.86
9	8/9	1/9	8.00	9.96	7.20	6.43	0.80	0.89



$$\eta = (r_1 + r_2/a) \xi - r_2/a \quad r_1 = 1.24 \quad r_2 = 0.72$$

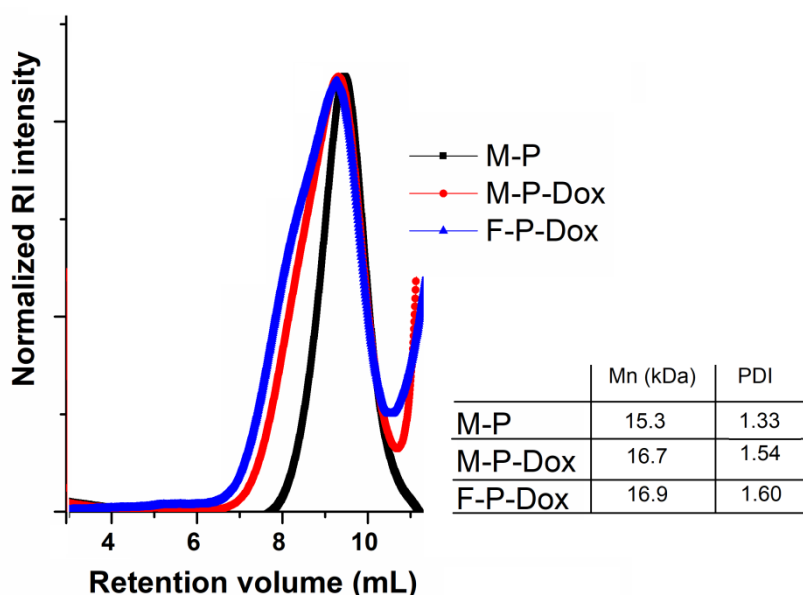


Figure S6. SEC analysis of M-P, M-P-Dox and F-P-Dox (Eluent: DMAc).