

Supporting Information

Construction of Enzyme-Responsive Micelles Based on Theranostic Zwitterionic Conjugated Bottlebrush Copolymers with Brush-on-Brush Architecture for Cell Imaging and Anticancer Drug Delivery

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Captions of Figures and Table

Figure S1. ^1H NMR spectra of PFONPN-*g*-N₃ in CDCl₃.

Figure S2. ^1H NMR spectra of alkyne-PHEMA, PFONPN-*g*-PHEMA and PFONPN-*g*-(PHEMA-*g*-NH₂) in DMSO-*d*₆.

Table S1. Experimental details for synthesis of polymer brushes

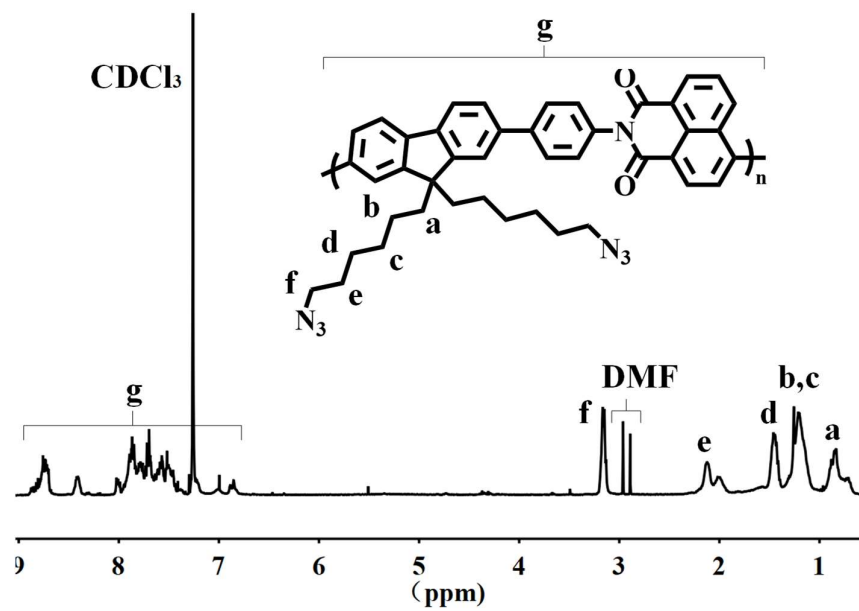


Figure S1. ¹H NMR spectra of PFONPN-g-N₃ in CDCl₃.

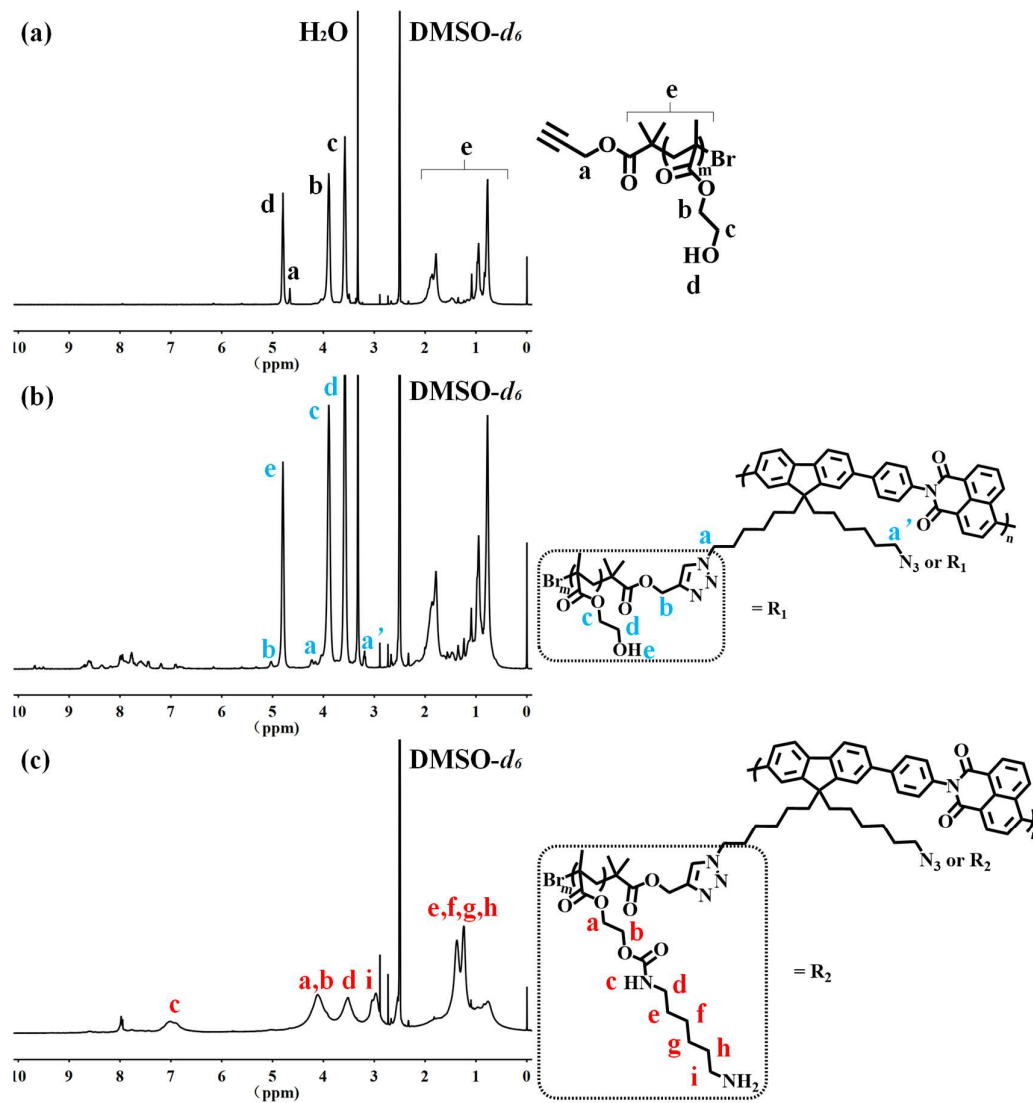


Figure S2. ^1H NMR spectra of alkyne-PHEMA, PFONPN-g-PHEMA and PFONPN-g-(PHEMA-g- NH_2) in $\text{DMSO}-d_6$.

Table S1. Experimental details for synthesis of polymer brushes

Entry	[monomer]/[initiator]	[monomer]	DMSO:H ₂ O	Reaction time
	OEGMA/SBMA/ PFONPN ₉ -g-(PHEMA ₁₅ -g-(PTyr ₁₆ -Br ₂))	[M]	/mL	/ h
P ₁	30:0:1	0.06	10:0	1
P ₂	15:15:1	0.05	10:1	1
P ₃	60:0:1	0.12	10:0	1
P ₄	30:30:1	0.11	10:1	1
P ₅	70:30:1	0.18	10:1	1