

Supporting Information

for

Versatile synthesis of end-reactive polyrotaxanes applicable to fabrication of supramolecular biomaterials

Atsushi Tamura, Asato Tonegawa, Yoshinori Arisaka, and Nobuhiko Yui*

Address: Department of Organic Biomaterials, Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University, 2-3-10 Kanda-Surugadai, Chiyoda, Tokyo 101-0062, Japan

Email: Nobuhiko Yui - yui.org@tmd.ac.jp

*Corresponding author

FTIR and ^1H NMR spectra of the PRXs

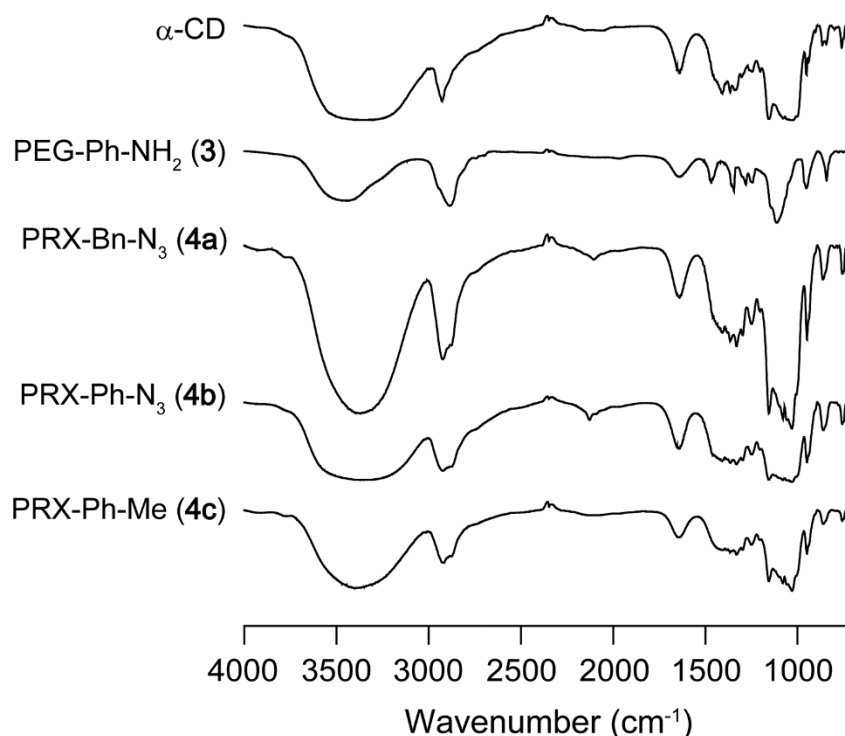


Figure S1: FTIR spectra of α -CD, PEG-Ph-NH₂ (3), PRX-Bn-N₃ (4a), PRX-Ph-N₃ (4b), and PRX-Ph-Me (4c).

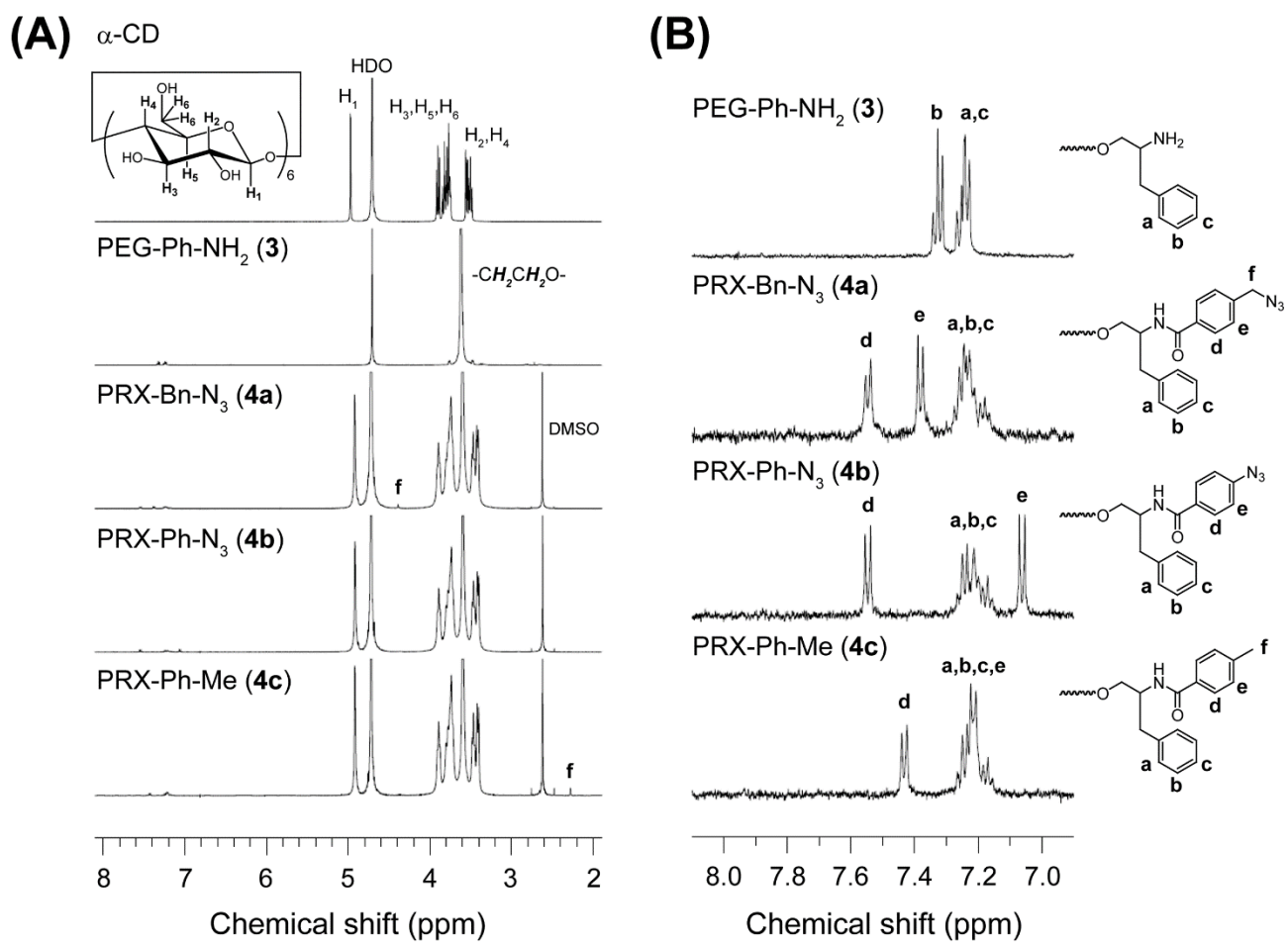


Figure S2: (A) ^1H NMR spectra of α -CD, PEG-Ph-NH₂ (**3**), PRX-Bn-N₃ (**4a**), PRX-Ph-N₃ (**4b**), and PRX-Ph-Me (**4c**) in NaOD/D₂O. (B) Enlarged views of ^1H NMR spectra of PEG-Ph-NH₂ (**3**), PRX-Bn-N₃ (**4a**), PRX-Ph-N₃ (**4b**), and PRX-Ph-Me (**4c**) in NaOD/D₂O.