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Supporting Information

Cytocompatible Poly(ethylene glycol)-*co*-polycarbonate Hydrogels Cross-Linked by Copper-Free, Strain-Promoted Click Chemistry

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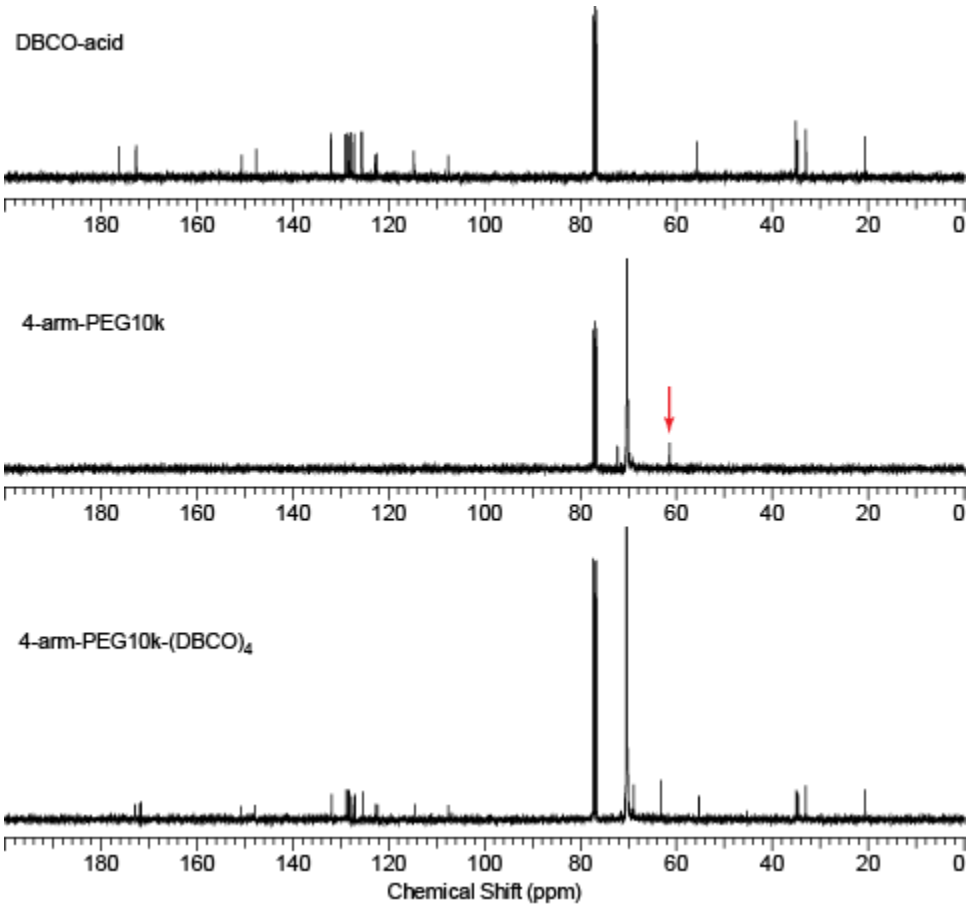

Figure S1. ^{13}C NMR of 4-arm-PEG10k-$(DBCO)_4$ showing the disappearance of the characteristic peak for -CH_2OH end-groups of 4-arm-PEG10k from 61.4 ppm (red arrow), supporting complete esterification of -CH_2OH by DBCO-acid.

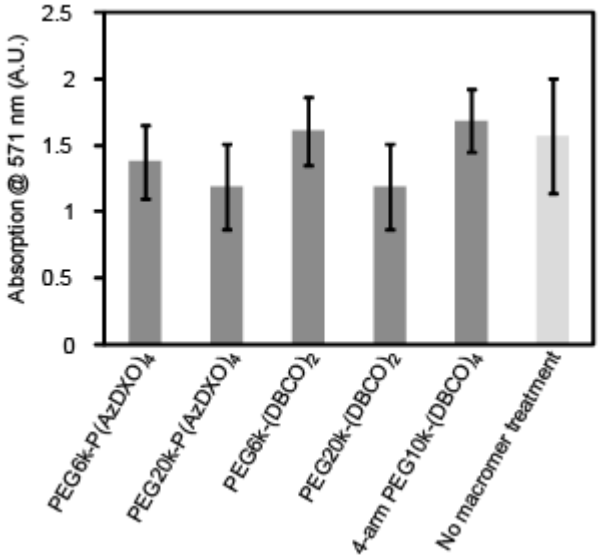

Figure S2. MTT viability assay of BMSC cells cultured on 96-well tissue culture plates in the presence of PEG-P$(AzDXO)_{2m}$ and PEG-$(DBCO)_x$ macromers showing cell viability at 48 h comparable to those cultured in the absence of any macromers. For cell seeding, BMSC cell suspension (10^6 cells/mL, 50 μL) in expansion media (α-MEM without ascorbic acid, 20% FBS) containing 0 or 10 w/v% macromers was added to each well of the 96-well plate before an extra 200 μL of expansion media was added. No statistically significant difference was observed between any of the macromer-treated cultures and the no-macromer control culture ($p > 0.05$; student t-test).