

Supporting Information

Simple and tunable surface coatings via polydopamine for modulating pharmacokinetics, cell uptake and biodistribution of polymeric nanoparticles

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Table.S1 Surface element ratio of NPs with different coatings in XPS

samples	Surface component (%)						
	C1s	O1s	N1s	S2p	O/C	N/C	N/O
PLGA	70.43	29.57	0	0	41.98	0	0
pD-PLGA	70.89	28.41	0.71	0	40.08	1.00	2.50
BSA-pD-PLGA	73.76	19.48	6.06	0.69	26.41	8.22	31.11
PLL-pD-PLGA	76.02	22.61	1.37	0	29.75	1.80	6.05
PEG-pD-PLGA	70.17	29.34	0.49	0	41.81	0.70	1.67

Note: O/C, is the ratio of O and C atoms; N/C, is the ratio of N and C atoms; N/O, is the ratio of N and O atoms;

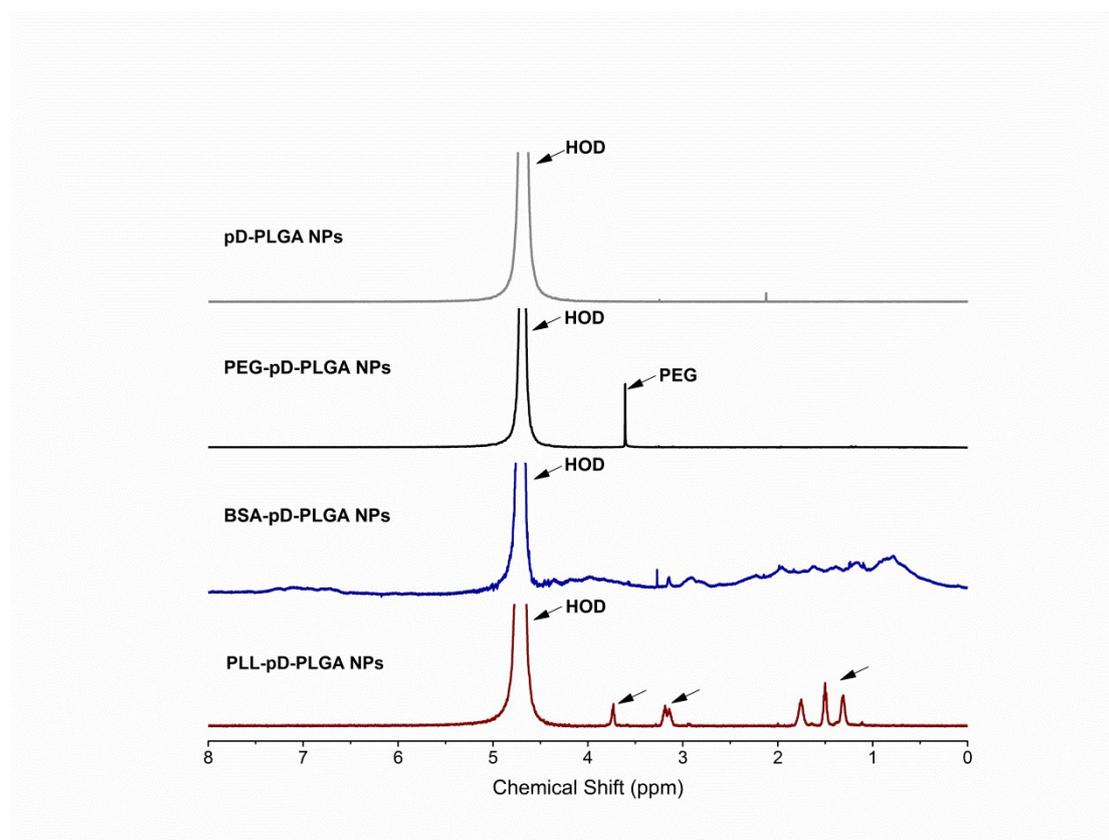


Figure.S1 ¹H-NMR spectra of blank nanoparticles in D₂O

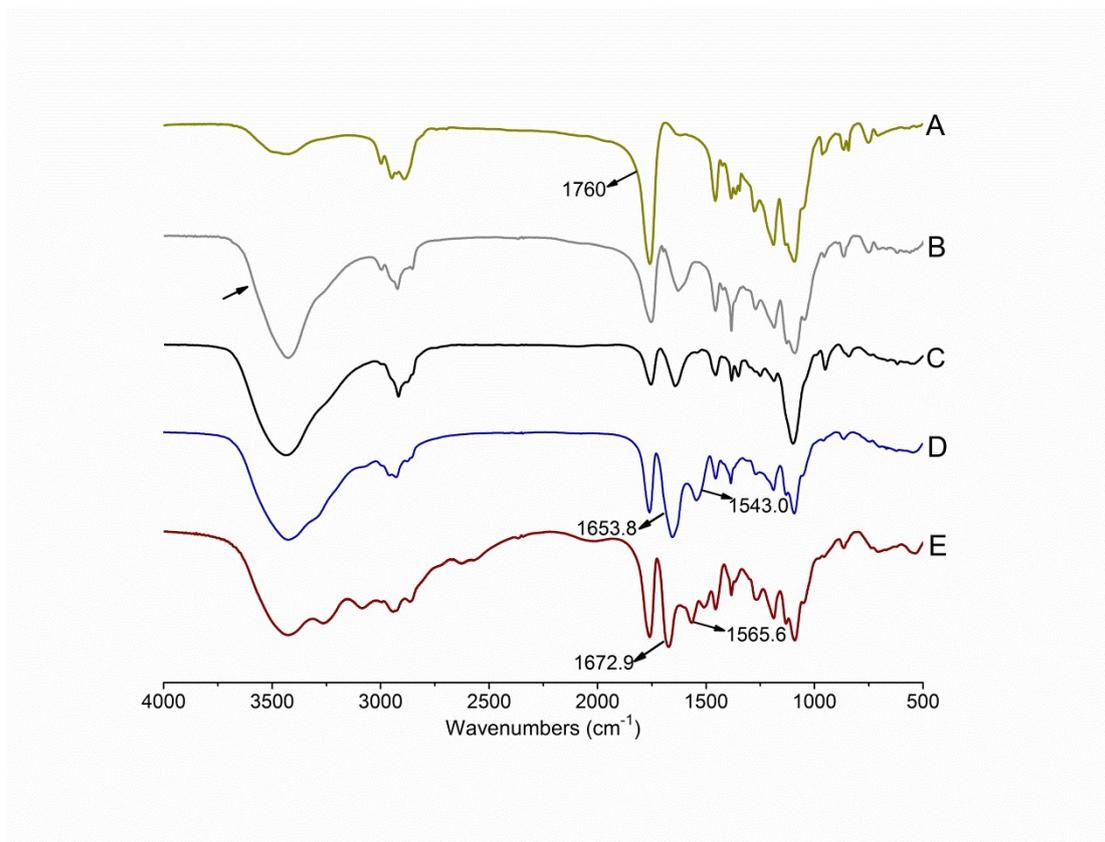


Figure.S2 FT-IR spectrum of (A) PLGA NPs,(B) pD-PLGA NPs,(C) PEG-pD-PLGA NPs,(D) BSA-pD-PLGA NPs and (E) PLL-pD-PLGA NPs.