(Supporting Information for an Article to the Editor of *Molecular Pharmaceutics*)

Double-Stranded RNA Homopolymer Poly(rC)·Poly(rG) for a New pH-Sensitive Drug Carrier

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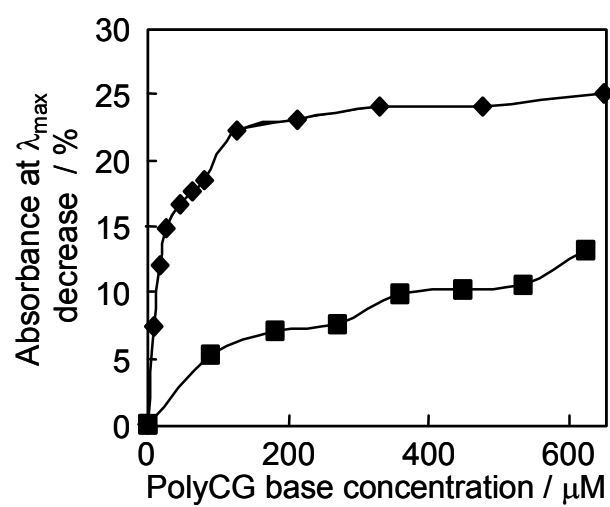E-mail: asayama-shoichiro@c.metro-u.ac.jp.

Figure S-1. Plot of absorbance at λ_{max} of Dox (14 μM) against poly(rC)·poly(rG) (PolyCG) concentration in isotonic phosphate buffer: pH 7 (◆) or pH 5 (■).
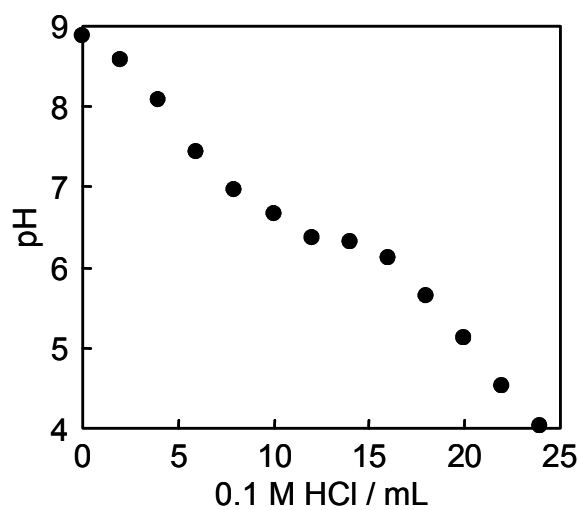
Figure S-2. Acid-base titration curve of poly(rC)·poly(rG)/Dox complex. Basic complex solution was titrated with the stepwise addition of 0.1 M HCl.
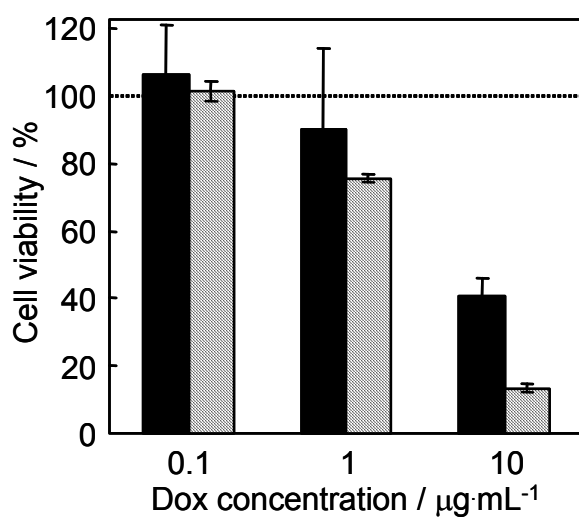
Figure S-3. Effect of the poly(rC)·poly(rG)/Dox complex on the viability of HepG2 cells after 48 h incubation.   Plot of cell viability against Dox concentration (black bars: Dox alone, slashed bars: PolyCG/Dox), that is, viability curve, is represented.   Error bars represent the mean and standard deviation of the measurements made in quadruplicate well.
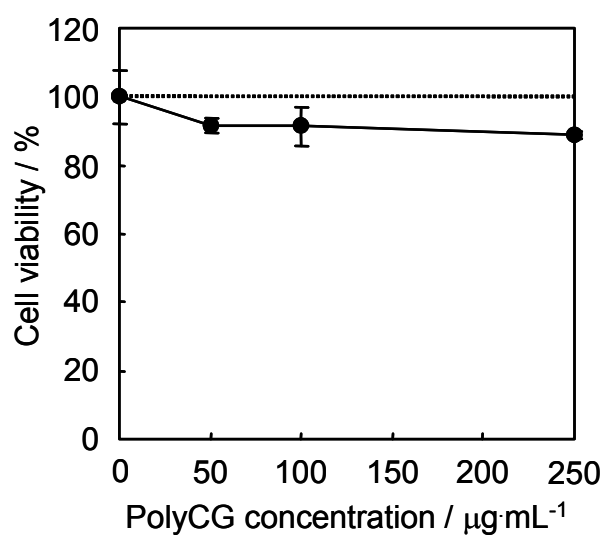
Figure S-4. Effect of poly(rC)·poly(rG) (PolyCG) on the viability of HepG2 cells after 48 h incubation. Error bars represent the mean and standard deviation of the measurements made in quadruplicate well.