Reviewer’s report

Title: Pharmacokinetic properties and antitumor efficacy of the 5-fluorouracil loaded PEG-hydrogel

Version: 2 Date: 25 February 2010

Reviewer: Yukio Kato

Reviewer’s report:

The manuscript has been extensively revised, but this reviewer noticed several points that may need to be considered before the publication:

Minor Essential Revisions:
(i) Page 7, lines 16-17
   English grammar (“While...”) may not be correct in this sentence.
(ii) Page 9, line 3
   The authors now mentioned that pharmacokinetics follows one-compartment model (Page 7, lines 9-11), but if so, please delete “early phase” because there should be only one elimination half-life.

Discretionary Revisions:
(iii) Fig. 5
   This reviewer still wonders why this figure is necessary for publication. According to the legend, this figure just represents the A549 tumor xenograft model without any treatment with 5-FU or 5-FU loaded PEG-hydrogel. This kind of xenograft model has been widely used, but not the original one by the authors. The original finding in the manuscript would be a novel controlled release system for 5-FU, but not the xenograft model itself.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests.