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## **Supporting Information**

## For:

## Diblock- and triblock- copolymer based mixed micelles with high

## tumor penetration in vitro and in vivo

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Figure S1: Viability of B16F10 cells after 24 h of treatment of F127 MM/PTX-Blank, P84 MM/PTX-Blank, Taxol<sup>®</sup>, PTX-loaded F127 MM and PTX-loaded P84 MM with varying concentrations. Data represent mean  $\pm$  SD (n = 3)



Figure S2: The levels of white blood cells (WBC), red blood cells (RBC), and platelets (PLT) after intravenous injection of saline, PTX, F127 MM/PTX and P84 MM/PTX. Data represent mean  $\pm$  SD (n = 3), \* p < 0.05 vs saline.

The effect of TPGS/Pluronic mixed micelles in bone marrow suppression has been investigated by comparing the levels of white blood cells (WBC), red blood cells (RBC), and platelets (PLT) after different treatments. These three indicators has been measured in SD rats before and after 7 repeated treatments. As shown in the figure above, P84 MM/PTX showed a greater extent of suppression of WBC, RBC and PLT than PTX solution and F127 MM/PTX at an equivalent dose in rats. F127 MM/PTX showed no bone marrow suppression.