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## **Supplementary File**

## Bortezomib-loaded mixed micelles realize a "three-in-one" effect for enhanced breast cancer treatment

Jianhao Liu<sup>1†</sup>, Xiaoman Xu<sup>1†</sup>, Yanying Li<sup>2</sup>, Jingxia Xu<sup>1</sup>, Ruogang Zhao<sup>1</sup>, Siwei Liu<sup>2</sup>, Jingliang Wu<sup>2</sup>, Li Zhang<sup>1,3\*</sup>, Bo Zhang<sup>1\*</sup>

- 1. School of Pharmacy, Weifang Medical University, Weifang 261053, P.R. China.
- 2. School of Bioscience and Technology, Weifang Medical University, Weifang, Shandong, 261053, P.R. China.
- 3. College of Traditional Chinese Medicine, Weifang Medical University, Weifang 261053, Shandong, P.R. China.
- \* Corresponding authors: zhangli2020@wfmc.edu.cn (L. Zhang); zhangbo@wfmc.edu.cn (B. Zhang); Tel.: +86-536-8462490.
- † These authors contributed equally to this work.

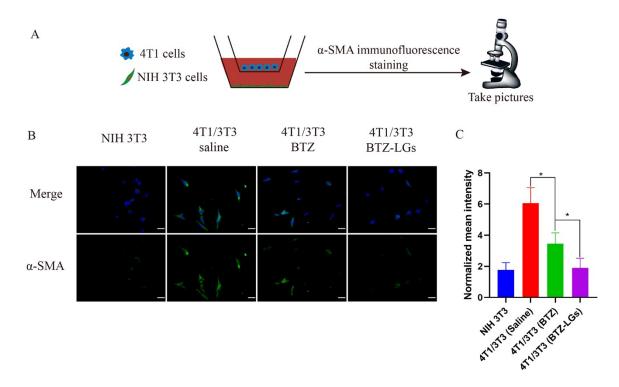


Fig.S1.  $\alpha$ -SMA expression of different formulations by transwell chamber assay ( \*P<0.05)

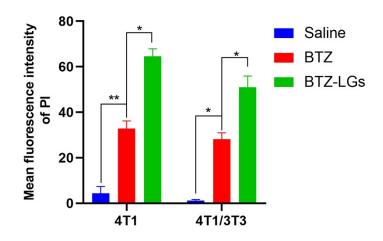


Fig. S2. The quantitative graph of PI/AM staining (\*P<0.05, \*\*P<0.01).

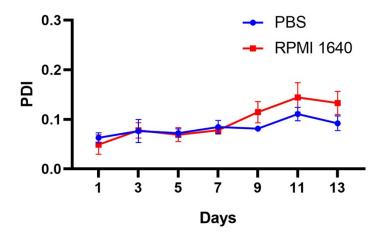


Fig. S3. Size changes of BTZ-LGs in PBS and RPMI 1640 medium.

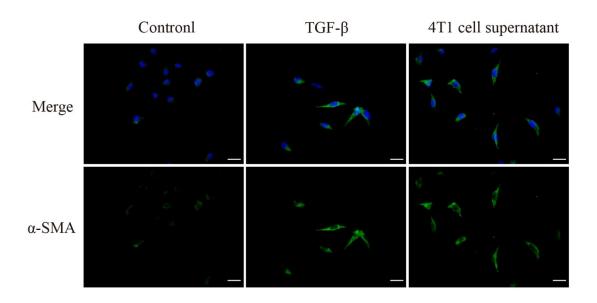


Fig. S4.  $\alpha$ -SMA expression after treatment by TGF $\beta$  or 4T1 supernatant

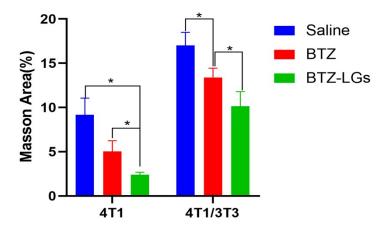


Fig. S5. quantification for the collagen deposition (\*P<0.05).

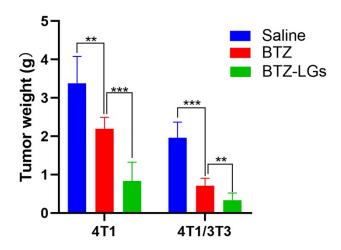


Fig. S6. Tumor weights in mice after drug treatment ( \*\*P<0.01, \*\*\*P<0.001).

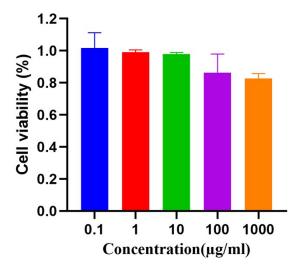


Fig. S7. Viability of co-cultured cells (ratio of 4T1 to NIH 3T3 cells was 1:2) after incubation with LGs at different concentrations for 48 h.