Supporting Information

Influence of nanoparticle shapes on cellular uptake of paclitaxel loaded nanoparticles in 2D and 3D cancer models

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Title Influence of nanoparticle shapes on cellular uptake of paclitaxel loaded fructose-based nanoparticles in 2D and 3D breast cancer models

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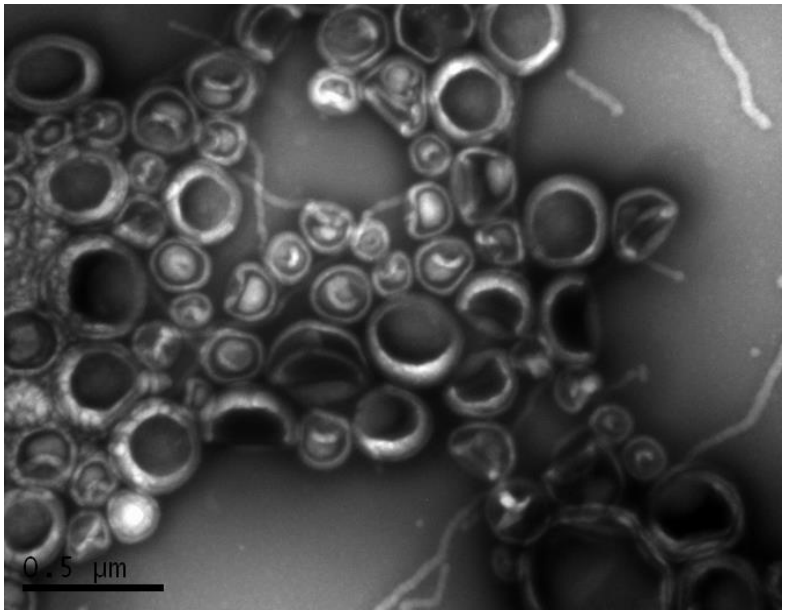

Fig. S1 TEM image of vesicles prepared from P(1-*O*-MAFru)$_{31}$-*b*-PMMA$_{166}$ after storing for 2 months.

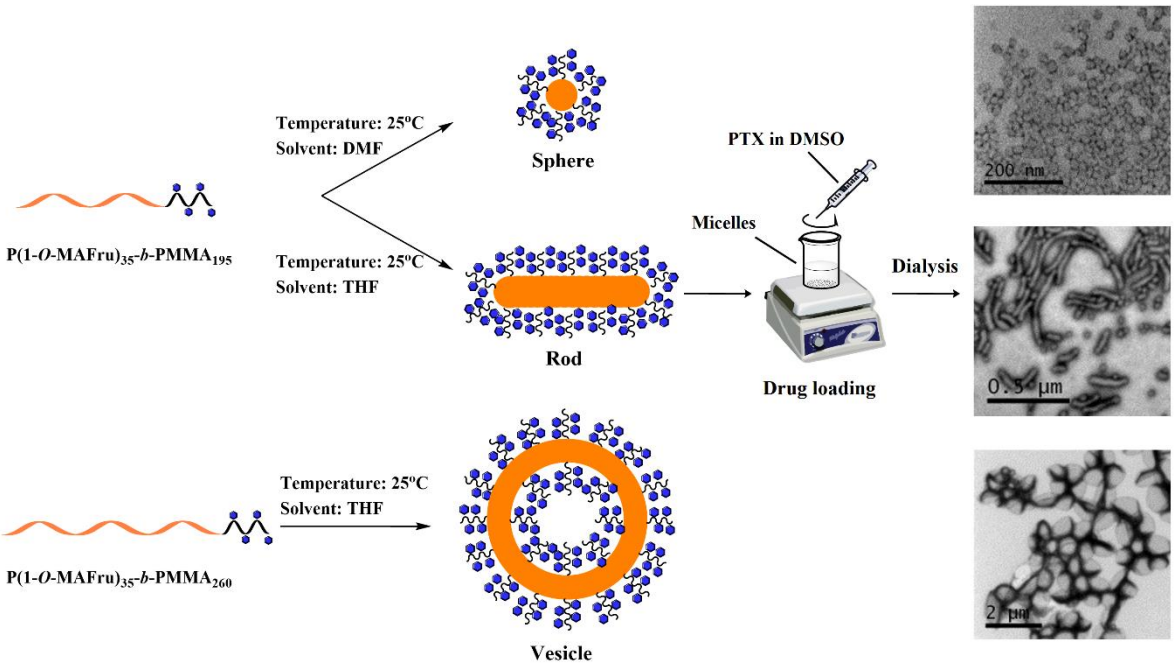

Fig. S2 Paclitaxel loaded nanoparticles of different morphologies via self-assembly of Poly(1-*O*-MAFru)$_{35}$-*b*-PMMA$_{195}$ and Poly(1-*O*-MAFru)$_{35}$-*b*-PMMA$_{260}$ under different preparation condition.

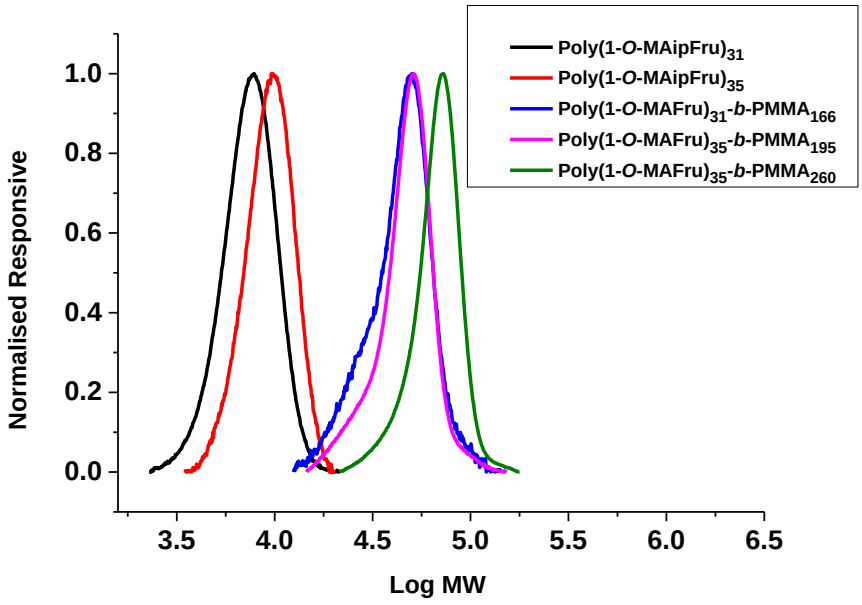

Fig. S3. SEC curves of Poly(1-*O*-MAipFru)$_{31}$, Poly(1-*O*-MAipFru)$_{35}$, Poly(1-*O*-MAFru)$_{31}$-*b*-PMMA$_{166}$, Poly(1-*O*-MAFru)$_{35}$-*b*-PMMA$_{195}$ and Poly(1-*O*-MAFru)$_{35}$-*b*-PMMA$_{260}$

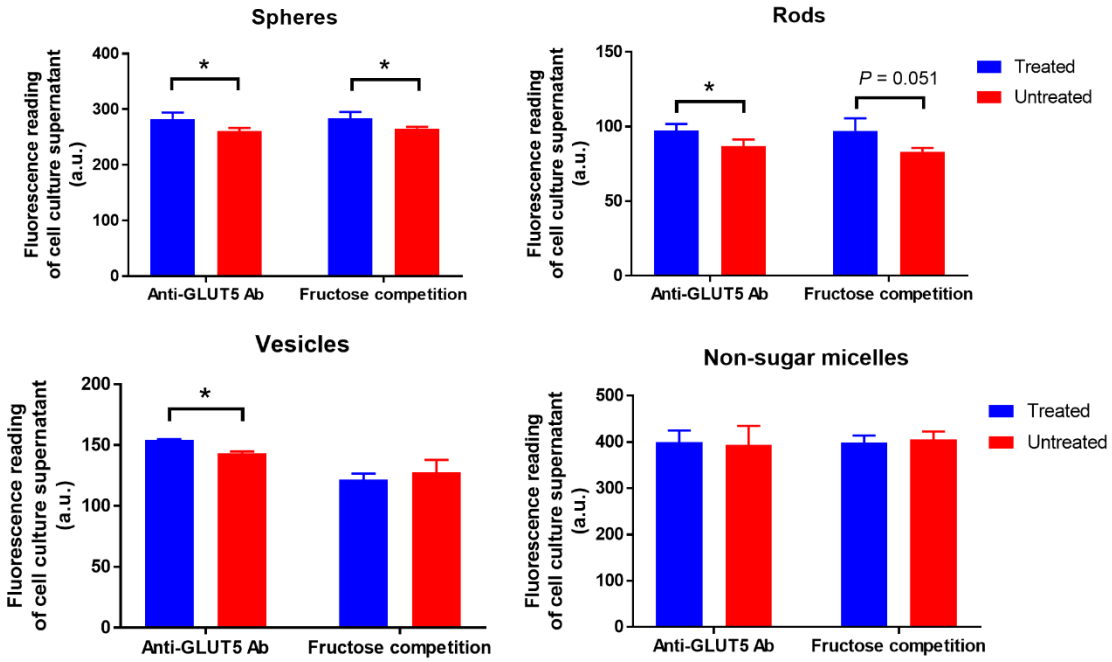

Fig. S4. Fructose competition assay and fructose receptor blocking assay