

Nanoparticle Drug Delivery Enhances the Cytotoxicity of Hydrophobic-Hydrophilic Drug Conjugates

Santosh Aryal^{1,2}, Che-Ming Jack Hu^{2,3}, Victoria Fu,¹ Liangfang Zhang^{1,2*}

¹Department of NanoEngineering, ²Moore's Cancer Center, ³Department of Bioengineering,
University of California, San Diego, La Jolla, CA 92093

*Corresponding author: Tel: +1 858 246 0999, Email: zhang@ucsd.edu

Supporting Information

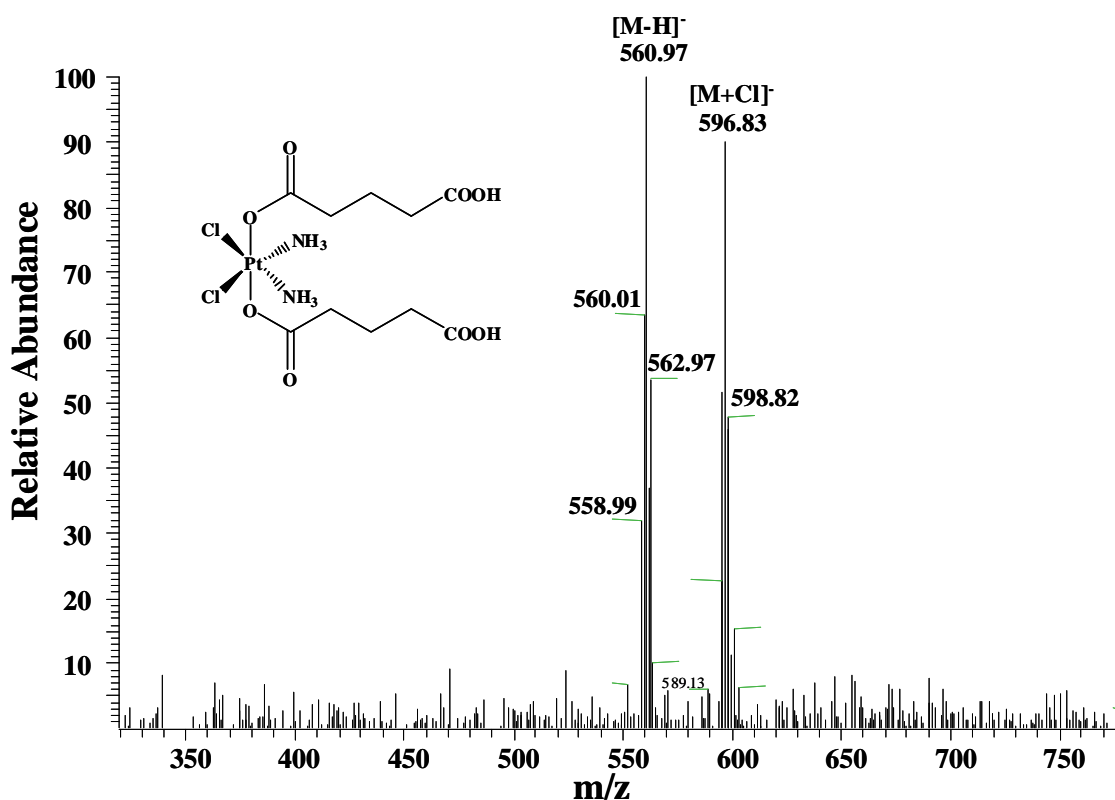


Fig. S1 Mass spectrum determining the exact mass and corresponding molecular formula of the glutaric acid modified Pt(IV).

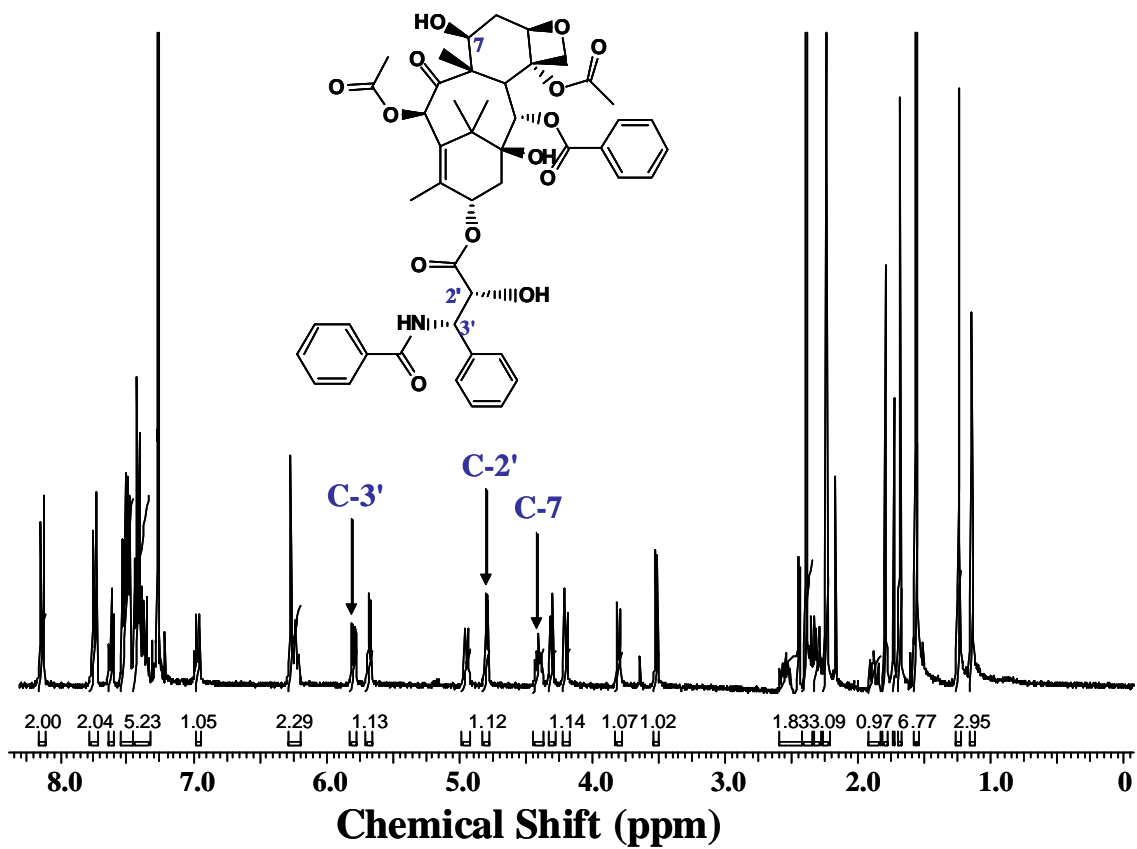


Fig. S2 Representative ¹H-NMR spectrum of paclitaxel (Ptxl).

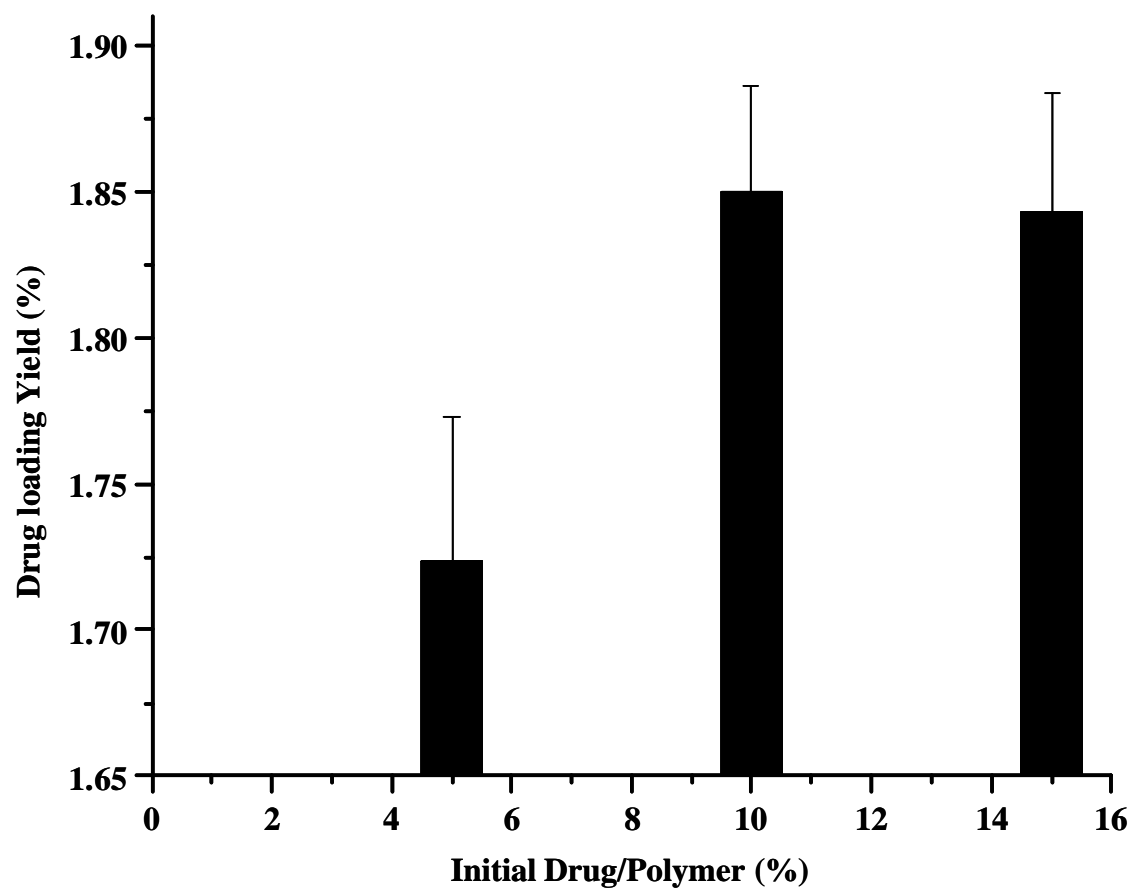


Fig. S3 Quantification of PtxI-Pt(IV) conjugates loading yield in the lipid-coated polymeric nanoparticles at various initial PtxI-Pt(IV) conjugates/nanoparticles weight ratios.