

Electronic Supporting Information

Therapeutic Efficacy of Lactonic Sophorolipids: Nanoceria-Assisted Combination Therapy of NSCLC using HDAC and Hsp90 Inhibitors

Shuguftha Naz¹, Tuhina Banerjee¹, Filbert Totsingan², Kalee Woody¹, Richard A. Gross², Santimukul Santra^{1,*}

1. Department of Chemistry, Pittsburg State University, Pittsburg, Kansas 66762, United States.
2. Department of Chemistry and Chemical Biology, Rensselaer Polytechnic Institute, Troy, New York 12180, United States.

* Corresponding author: Santimukul Santra, Ph.D., Associate Professor. Department of Chemistry, Pittsburg State University, Pittsburg, Kansas 66762, United States. Phone: 620-235-4861, Fax: 620-235-4003. Email: ssantra@pittstate.edu

1. Characterization of functional nanoceria by FT-IR spectroscopy.

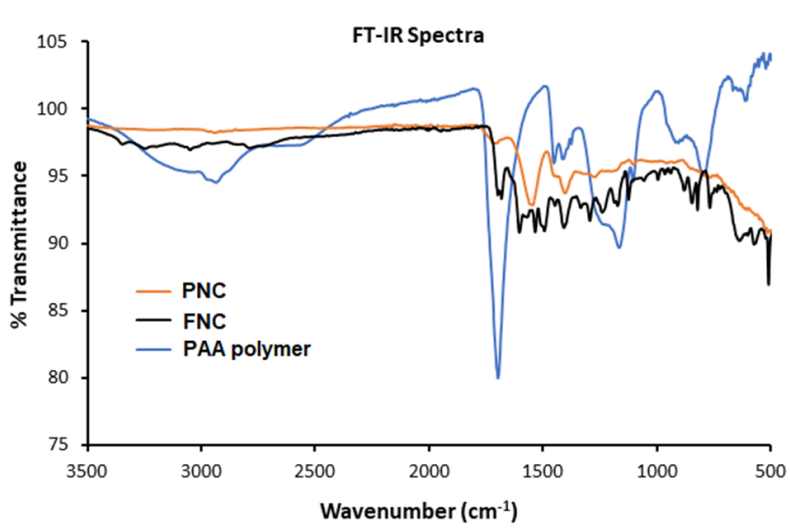


Figure S1. FT-IR spectra of polyacrylic acid polymer (PAA), PAA-coated nanoceria (PNC) and folic acid conjugated nanoceria (FNC).

2. Drug encapsulations by UV-Vis spectroscopy.

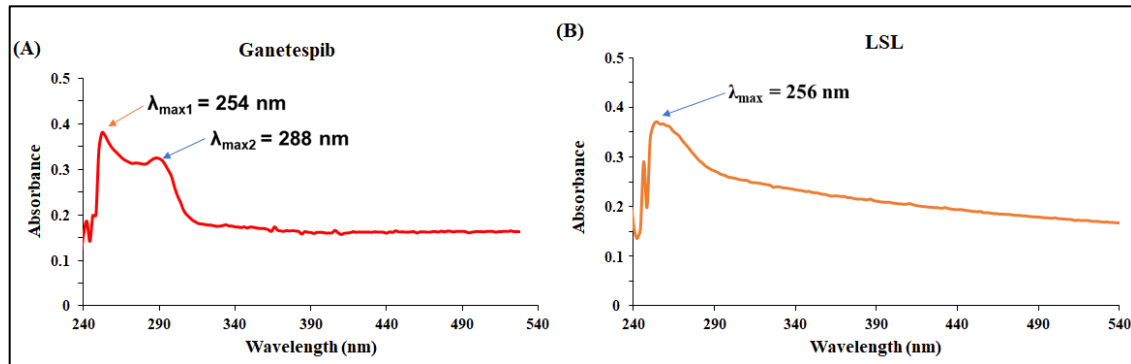


Figure S2. UV-Vis spectra (normalized) of encapsulated drugs, A) Ganetespiib and B) LSL, after digestion of FNC ($1.0 \times 10^{-3} \text{ mol}$) using PBS buffer at pH 5.0.

ToC Figure:

