

Supplementary information

Manuscript ID: TB-ART-07-2025-001715

TITLE: Folate Receptor- α Targeted Delivery of Berberine via Folate-Functionalized Bovine Serum Albumin Nanocarriers to Enhance Intracellular Internalization and Suppress 3D Spheroid Formation to Pioneer Therapeutic Modalities for Glioblastoma

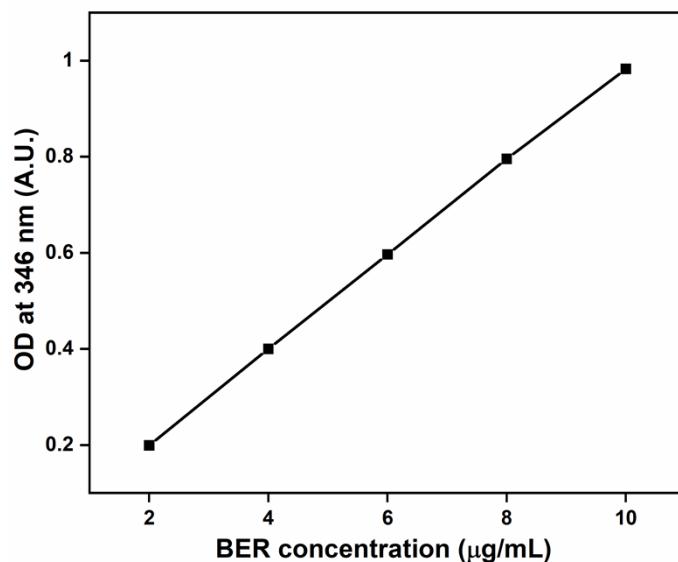


Figure. S1 Standard curve of berberine concentration ($\mu\text{g}/\text{mL}$) with absorbance measured at 346 nm.

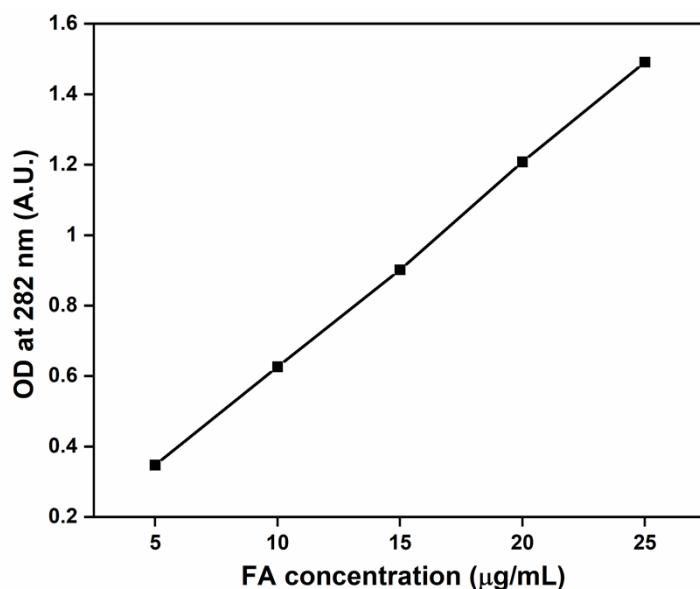


Figure. S2 Standard curve of folic acid concentration ($\mu\text{g}/\text{mL}$) with absorbance measured at 282 nm.

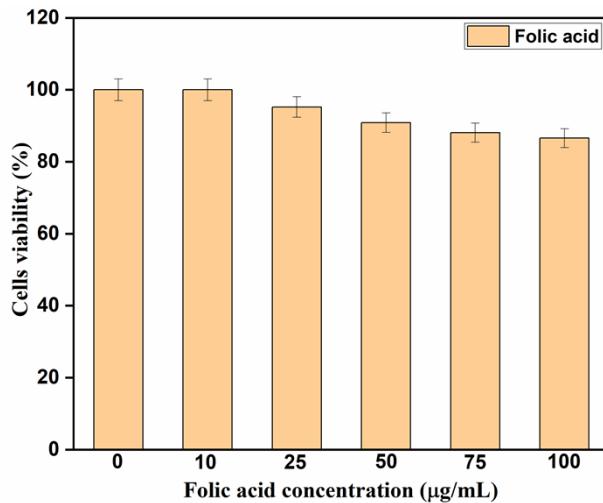


Figure. S3 In vitro cytotoxicity assessment of LN229 cells following treatment with varying concentrations of folic acid.

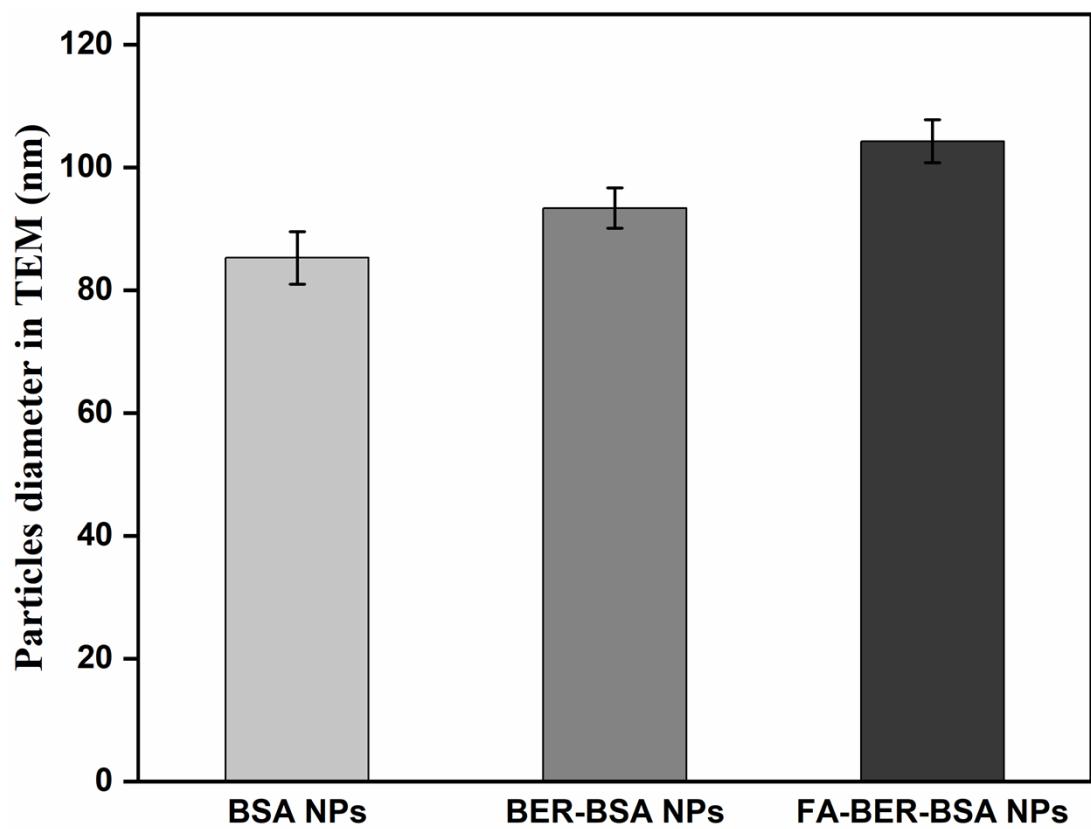


Figure. S4 Graphical illustrations depicting the diameters of TEM images for BSA nanoparticles, BER-BSA nanoparticles, and FA-BER-BSA nanoparticles.

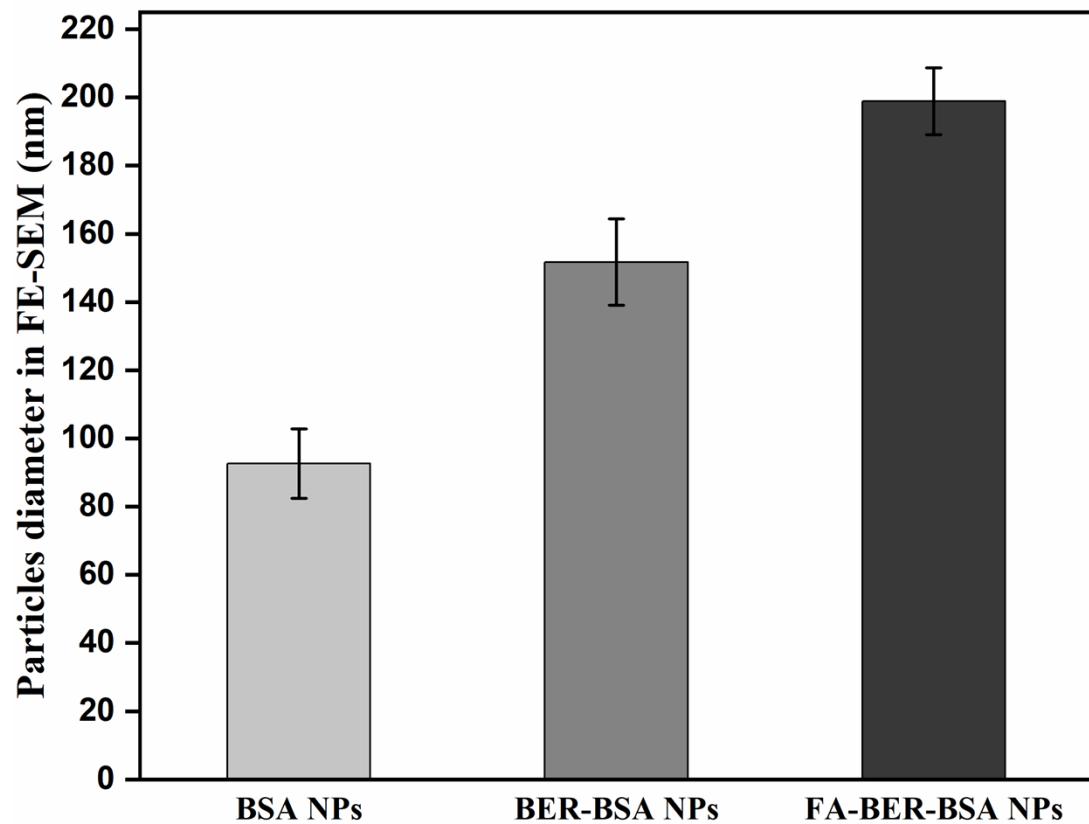


Figure. S5 Graphical illustrations depicting the diameters of FESEM images for BSA nanoparticles, BER-BSA nanoparticles, and FA-BER-BSA nanoparticles.