

Supplementary Materials

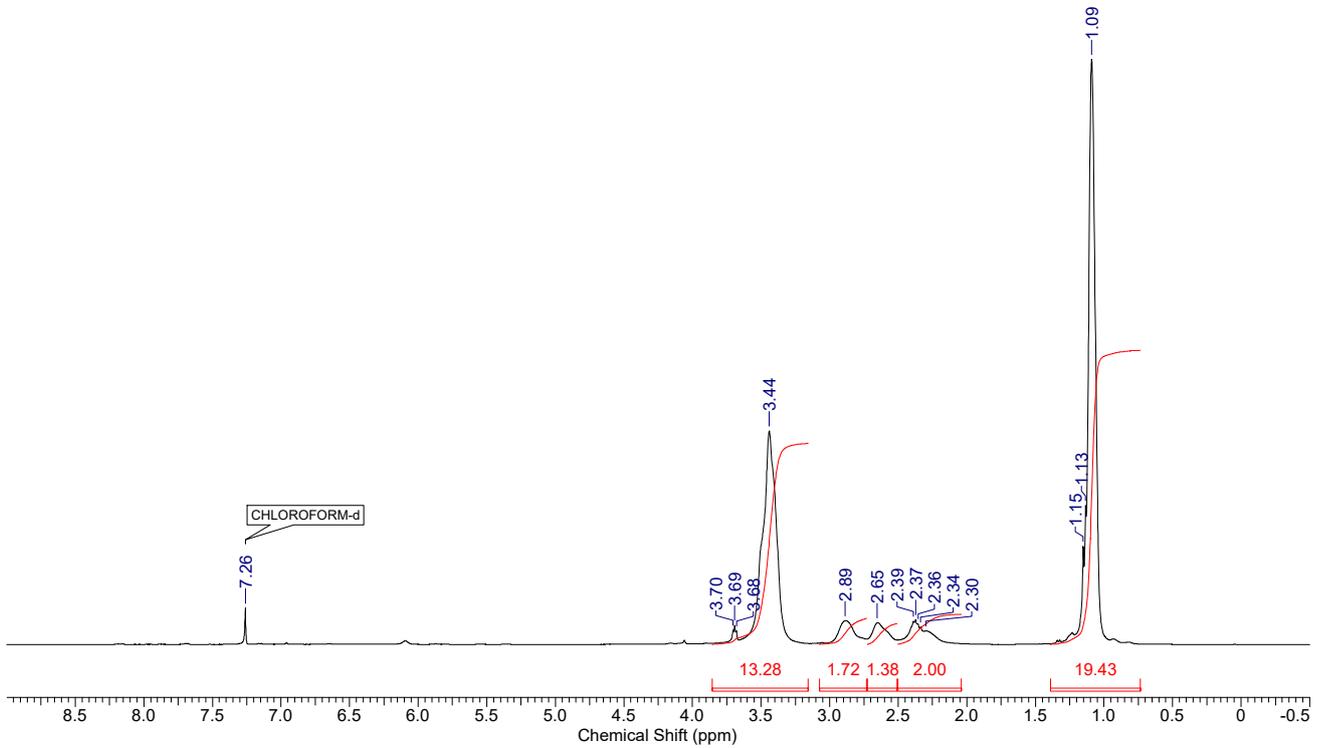


Figure S1. ¹H NMR spectrum of a POZ derivative investigated in this study.

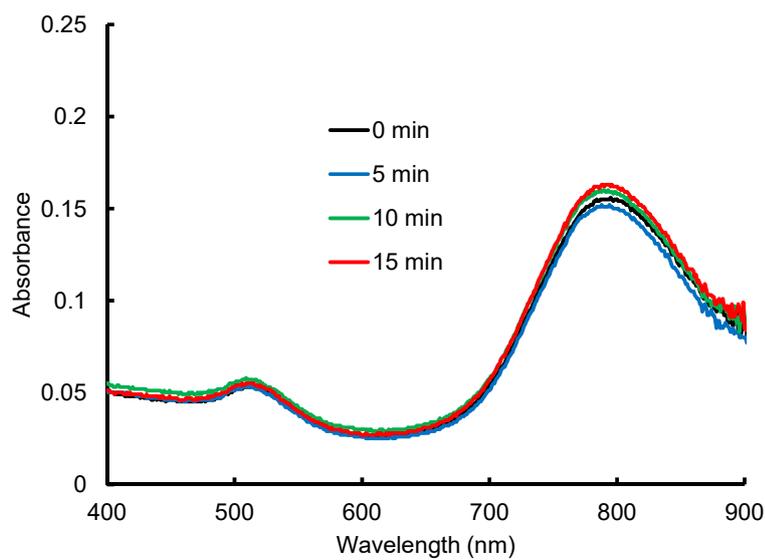


Figure S2. Vis-NIR spectra of GNR investigated in this study. At 0, 5, 10, and 15 min after irradiation of NIR light (0.6 W/cm²), the Vis-NIR spectra was evaluated.

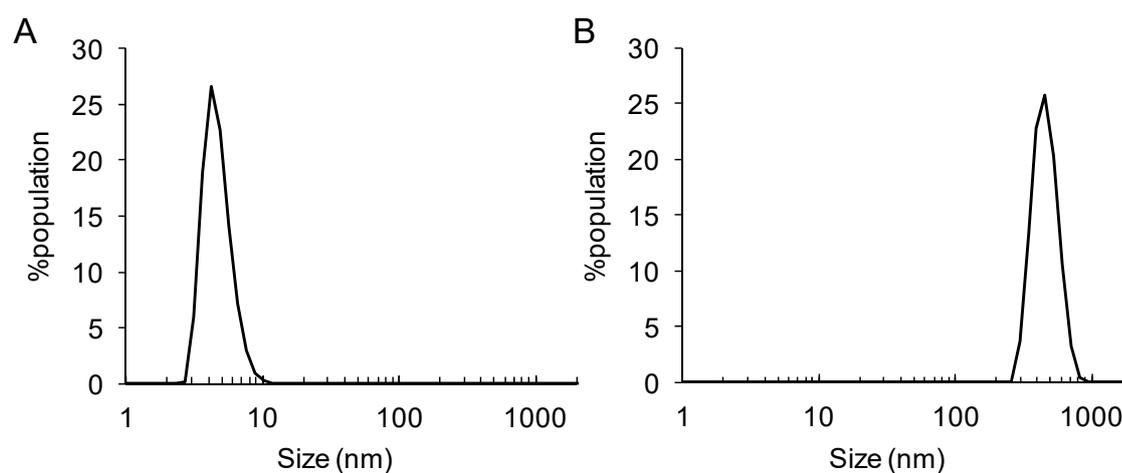


Figure S3. Size distribution of POZ derivative investigated in this study in PBS at 37 °C (A) and 42 °C (B), determined using dynamic light scattering measurements. The number-average diameters were shown.

Movie S1. Polyoxazoline (POZ) distribution in tumor tissues treated with gold nanorod (GNR) administration and near-infrared (NIR) light irradiation was observed in real-time. Confocal fluorescence microscopy imaging was performed 60 min after probe injection. Green: FITC-labeled POZ. Scale bar=50 μm .

Movie S2. Polyoxazoline (POZ) distribution in untreated normal tissues (back) observed in real-time. Confocal fluorescence microscopy imaging was performed 60 min after probe injection. Green: FITC-labeled POZ. Scale bar=50 μm .