

### Supplementary information

Gold nanorod-based smart platform for efficient cellular uptake and combination therapy

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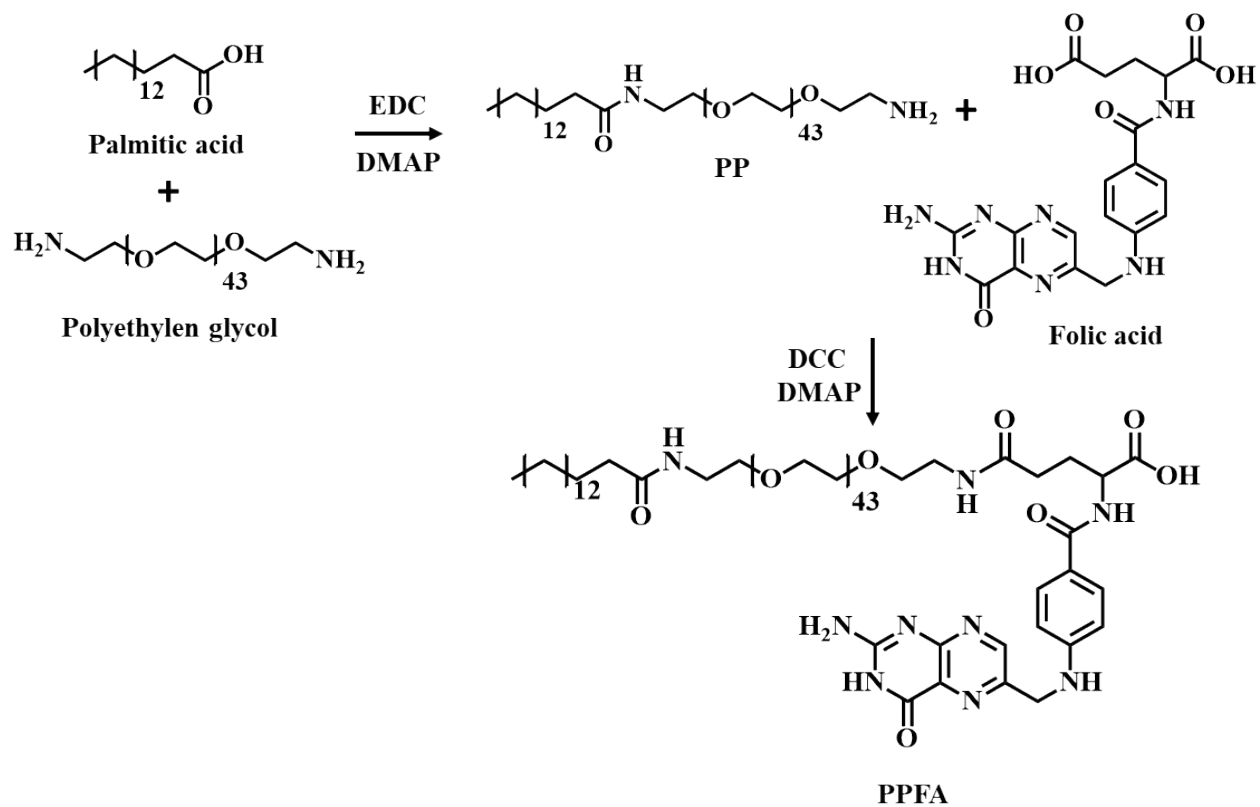
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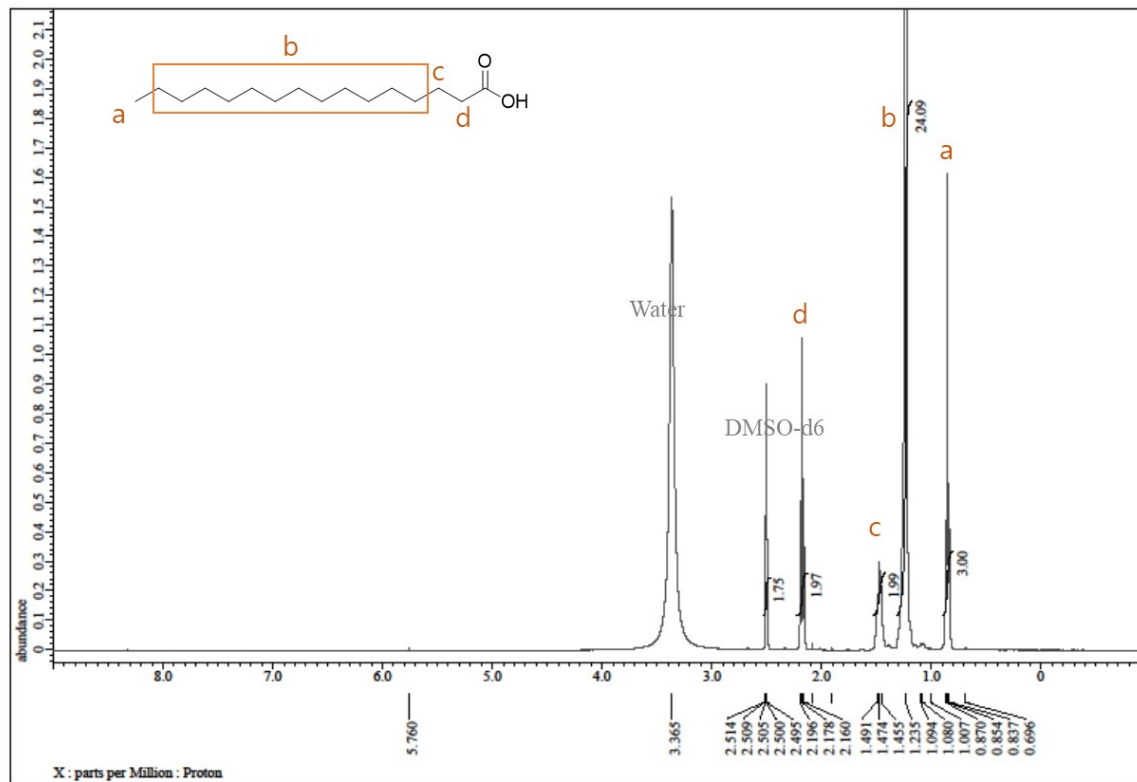
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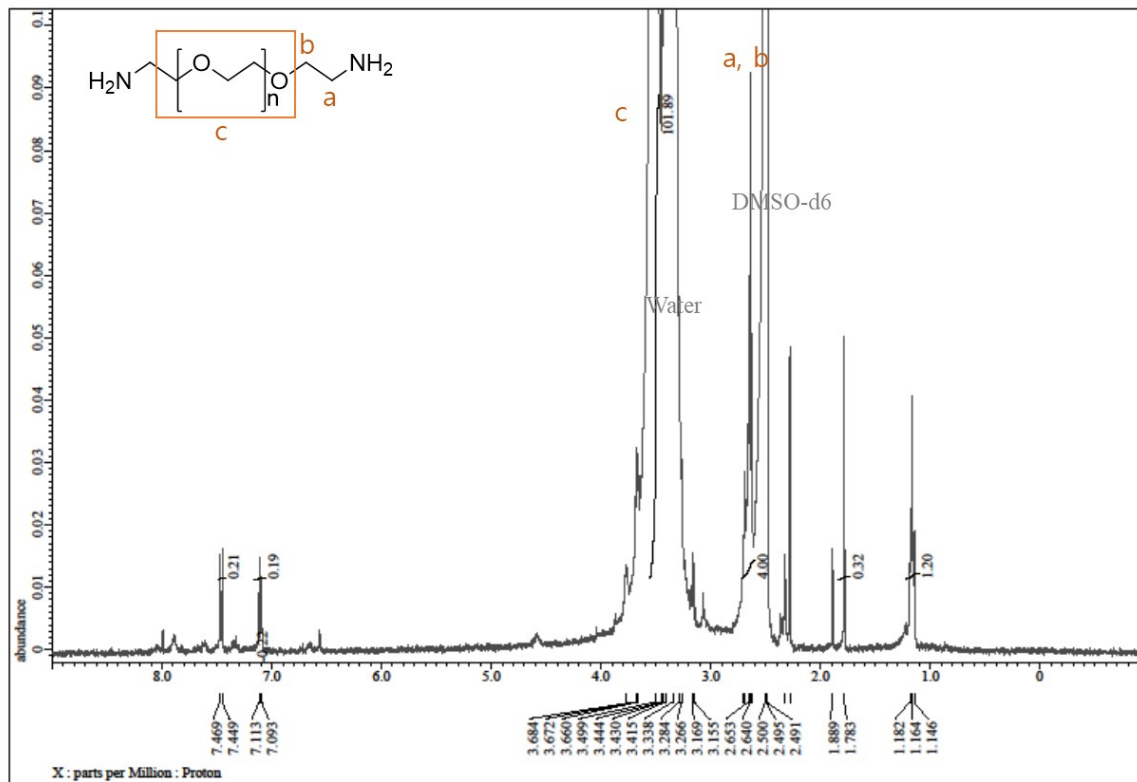
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**Scheme S1.** Synthesis scheme of PPFA.



**Figure S1.** <sup>1</sup>H NMR spectral data of palmitic acid



**Figure S2.** <sup>1</sup>H NMR spectral data of polyethylene glycol

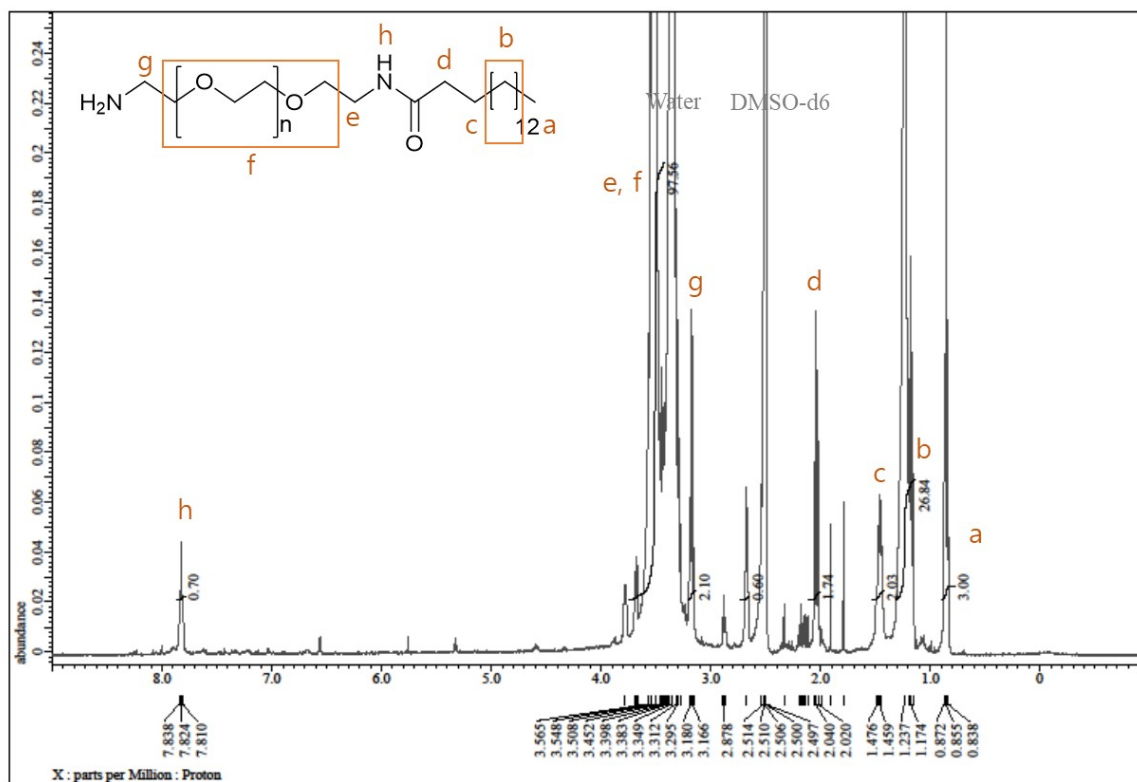


Figure S3. <sup>1</sup>H NMR spectral data of PP

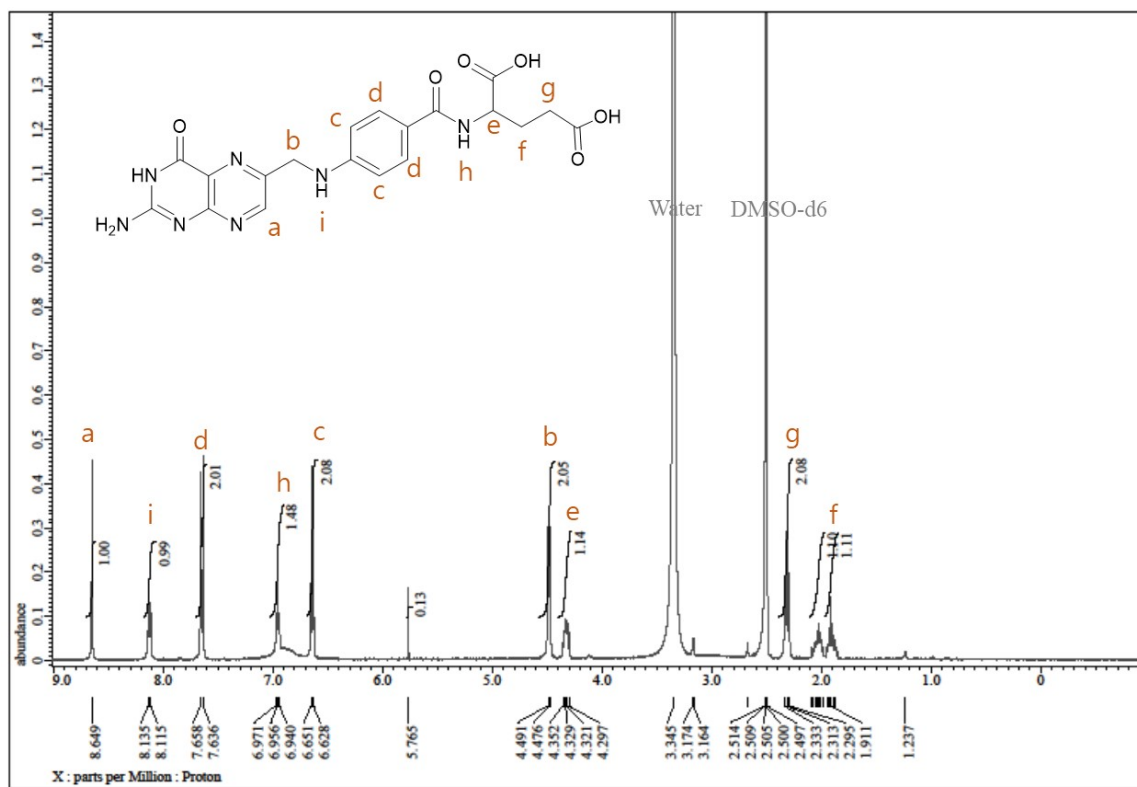


Figure S4. <sup>1</sup>H NMR spectral data of folic acid

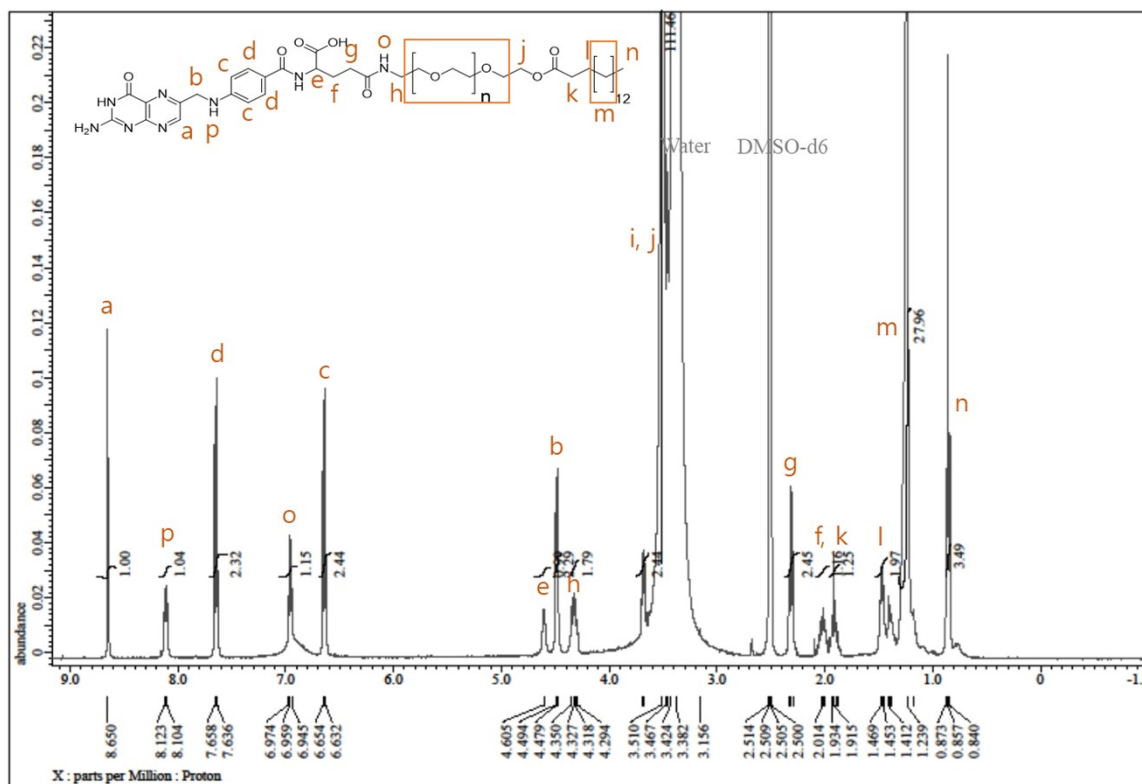


Figure S5. <sup>1</sup>H NMR spectral data of PPFA