

Electronic Supplementary Material (ESI) for New Journal of Chemistry

Supplementary material

Folate-PEG functionalized silica CdTe quantum dots as fluorescent probes for cancer cell imaging

Miao Lu^a, Wendian Zhang^a, Yongkang Gai^a, Tan Yang^a, Peng Ye^b, Guang Yang^c,
Xiang Ma^{a,*} and Guangya Xiang^{a,*}

Fig. S1 Synthesis of Folate-PEG-COOH

Fig. S2 Molecular formula and ¹H-NMR spectra of Folate-PEG-COOH in D₂O

Fig. S3 Mass spectra of NH₂-PEG-COOH (a) and Folate-PEG-COOH (b).

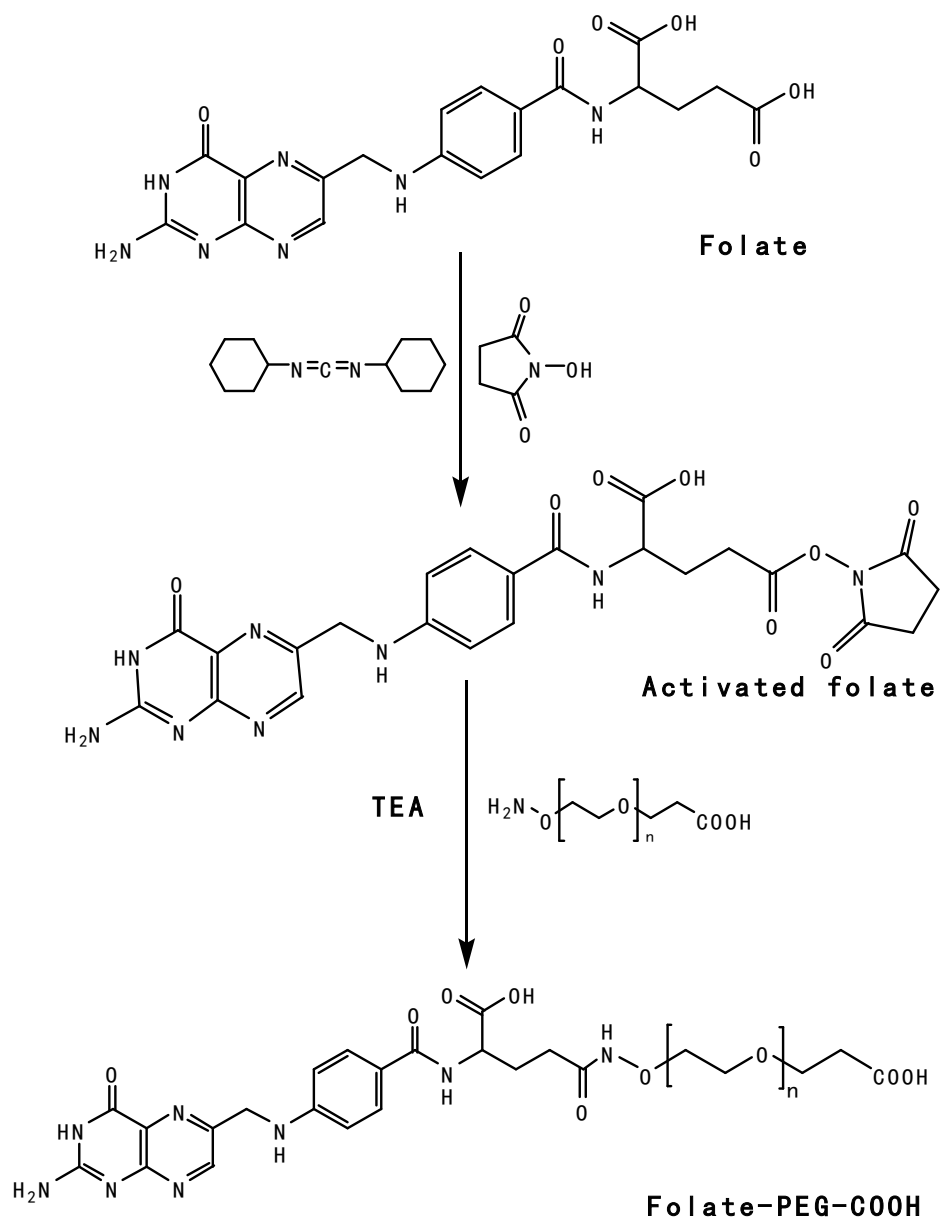


Fig.S1 Synthesis of Folate-PEG-COOH.

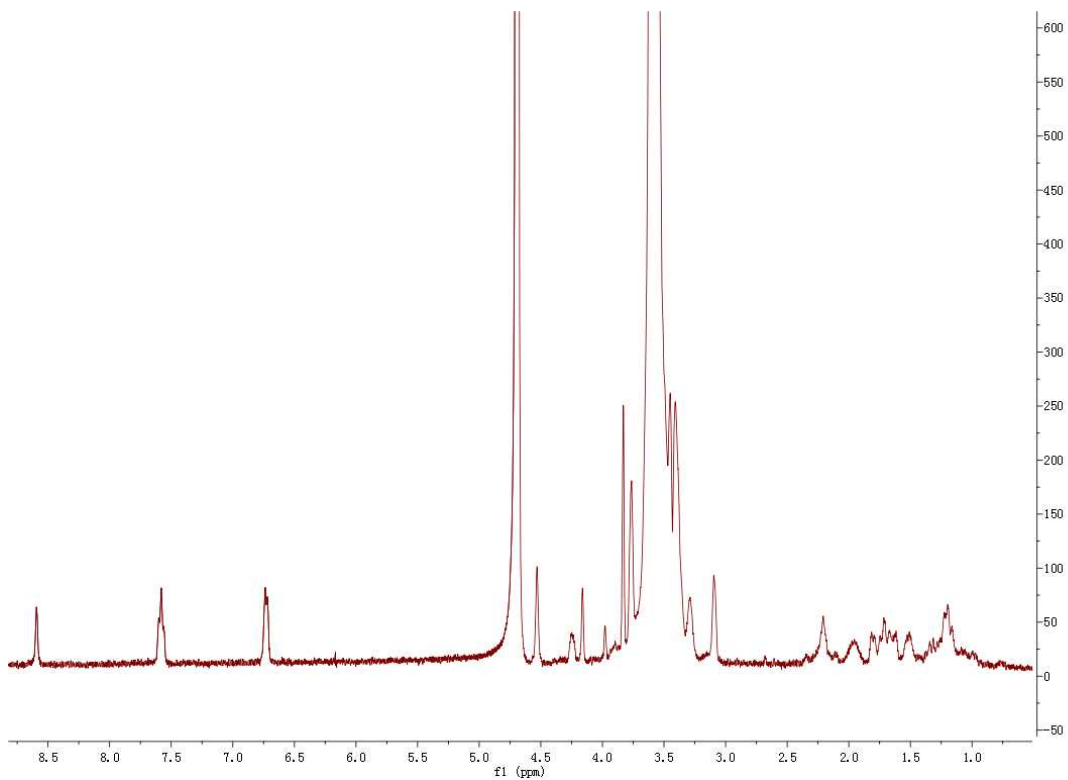
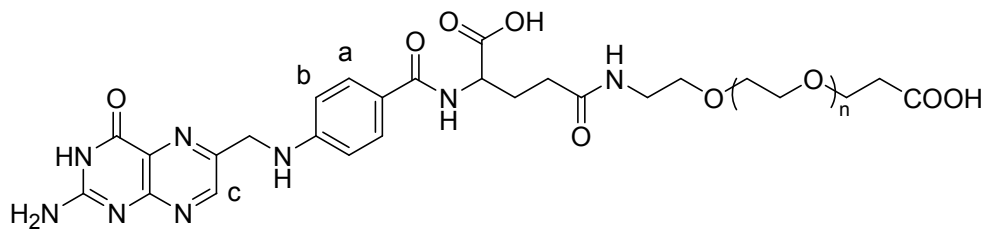


Fig. S2 Molecular formula and ¹H-NMR spectra of Folate-PEG-COOH in D₂O.

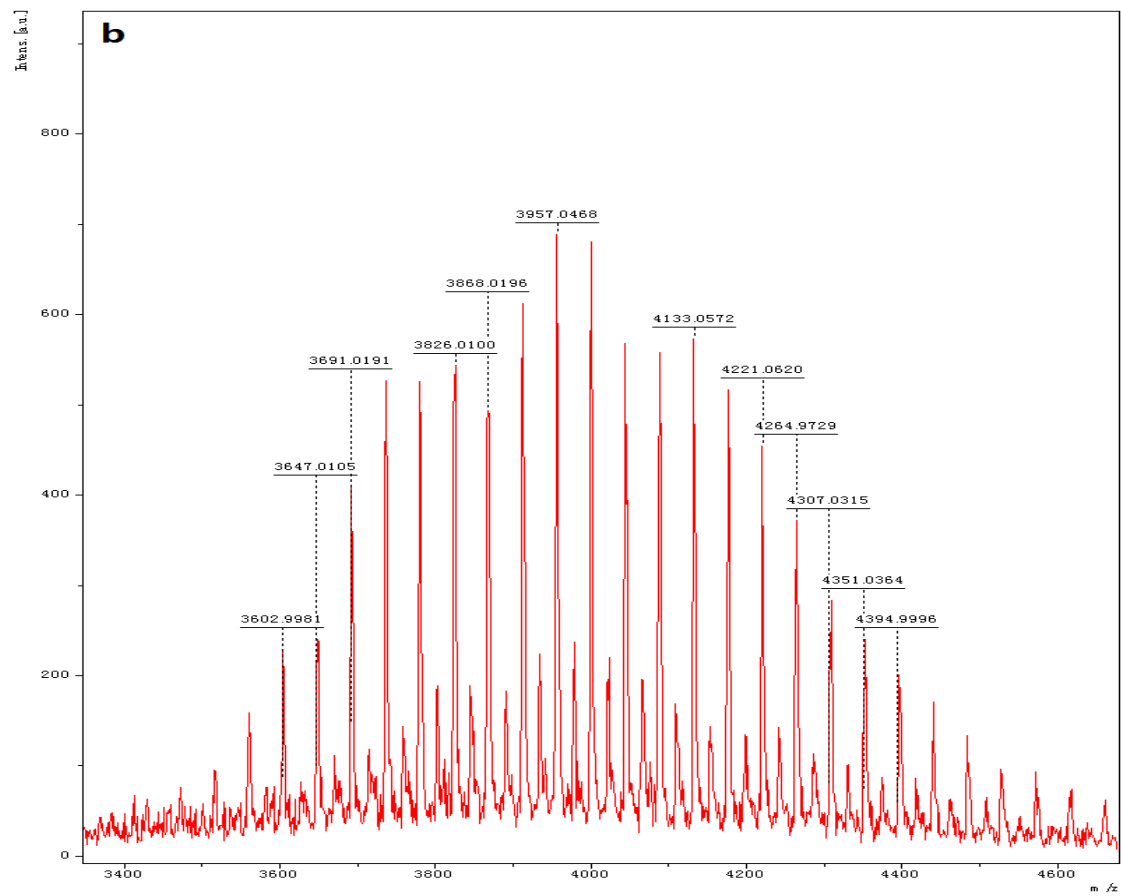
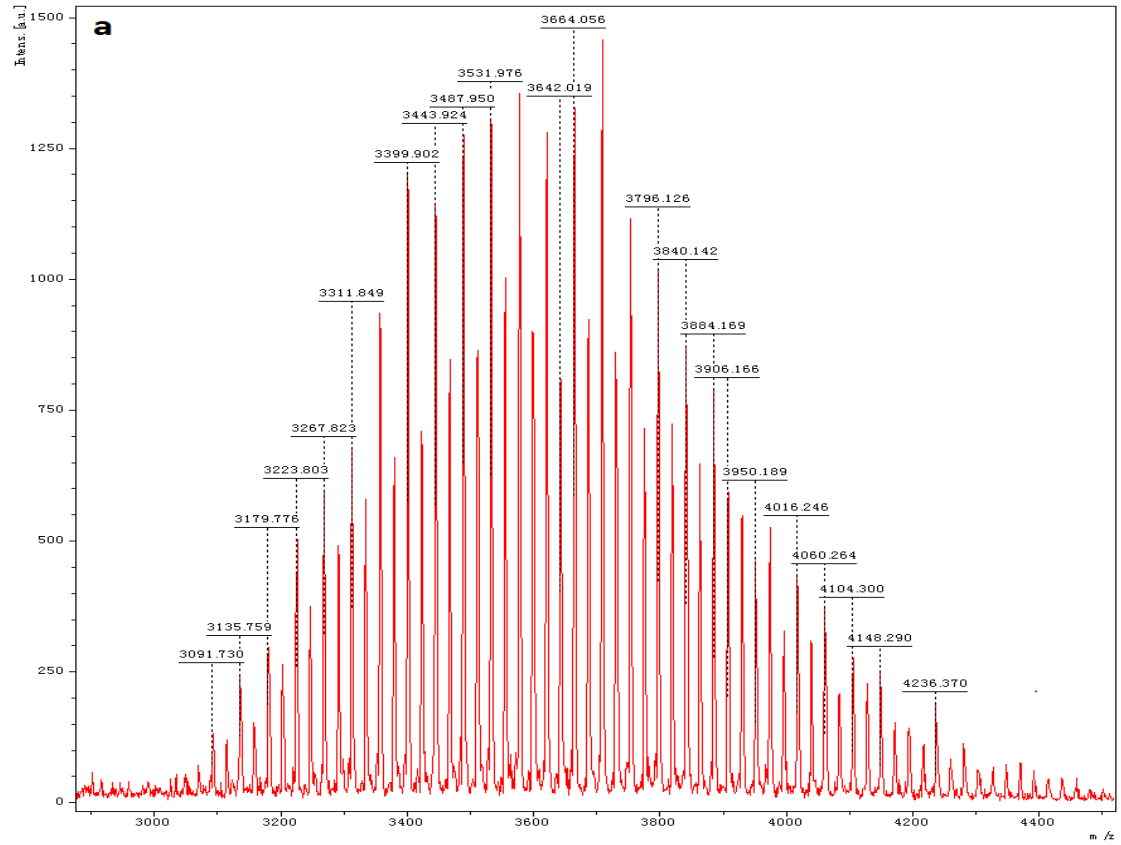


Fig. 3 Mass spectra of $\text{NH}_2\text{-PEG-COOH}$ (a) and Folate-PEG-COOH (b).