

Supporting information

Enhanced two-photon fluorescence and fluorescence imaging of a novel probe for calcium ion by self-assembly with a conjugated polymer

Yue-liang Zhai^{a, b, ‡}, Qiu-bo Wang^{a, b, ‡}, Hao Yu^{a, b}, Xiao-yuan Ji^{a, b}, Xian Zhang^{* a, b}

^aSchool of Materials Science and Engineering, Qilu University of Technology (Shandong Academy of Sciences), Jinan 250353, China

^b Shandong Provincial Key Laboratory of Processing and Testing Technology of Glass and Functional Ceramics; Key Laboratory of Amorphous and Polycrystalline Materials; Qilu University of Technology, Jinan 250353, China

*Correspondence: zhangx@qlu.edu.cn; Tel.: +86-531-89631227

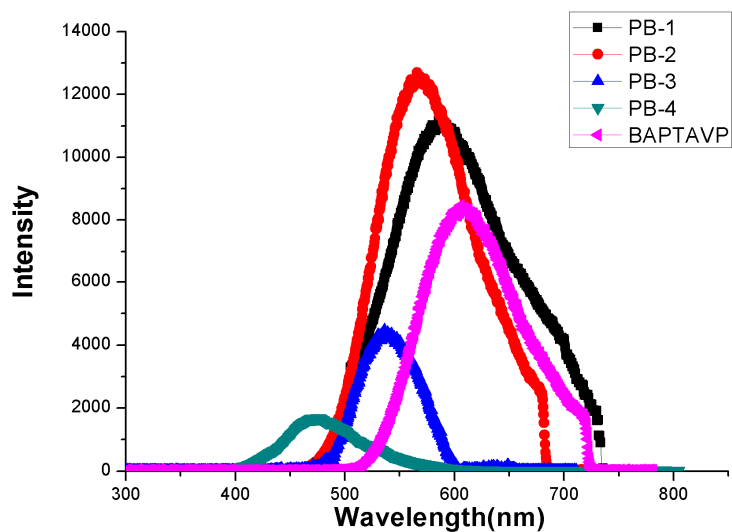


Fig. S1. The fluorescence spectra of PCBMB-BAPTAVP with the different concentrations at the excitation wavelength 800 nm. Probe: BAPTAVP; PB: PCBMB; BAPTAVP =1:1; PB-1: 5×10^{-4} mol/L; PB -2, 1×10^{-4} mol/L; PB -3: 5×10^{-5} mol/L; PB -4: 1×10^{-5} mol/L.

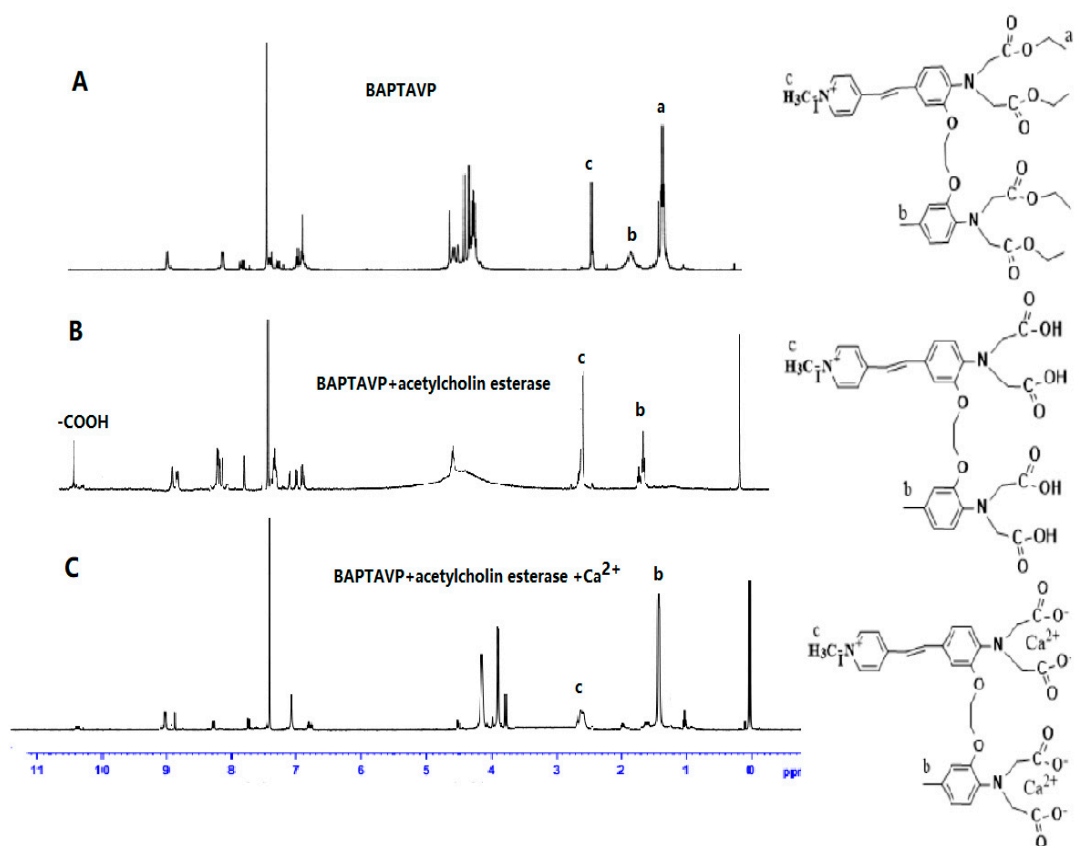


Fig. S2. The ^1H NMR spectra of BAPTAVP(A), BAPTAVP in the presence of acetylcholin esterase(B) and BAPTAVP in the presence of acetylcholin esterase and Ca^{2+} (C) in CDCl_3 .