Supporting Information for *Acta Phys. -Chim. Sin.* doi: 10.3866/PKU.WHXB201707175

聚乙烯亚胺对人血清白蛋白的构象和结合能力的影响

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Effects of Polyethyleneimine on the Conformation and Binding Capability of Human Serum Albumin

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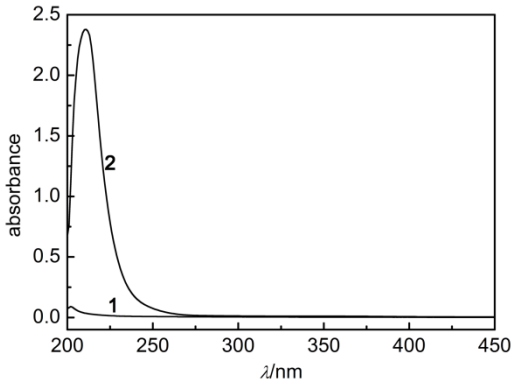

图 S1　PEI25k 在 PBS (pH 7.4)中的紫外-可见光吸收光谱

Fig. S1　UV-Vis absorption spectra of PEI25k in PBS at pH 7.4.

c_{PEI}/(mg mL^{-1}): (1) 0, (2) 1.0.

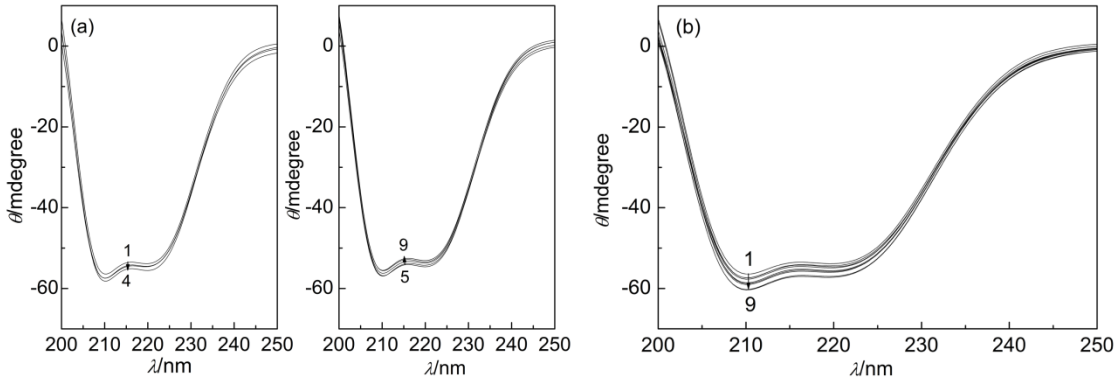

图 S2　PBS (pH 7.4)中 PEI 对 HSA 远紫外圆二色谱的影响

Fig. S2　Influence of PEI on far-UV CD spectra of HSA in PBS at pH 7.4.

(a) PEI25k, (b) PEI1.8k. c_{HSA} = 5 × 10^{-6} mol L^{-1}; c_{PEI}/(mg mL^{-1}): (1) 0, (2) 0.005, (3) 0.01, (4) 0.02, (5) 0.05, (6) 0.1, (7) 0.2, (8) 0.5, (9) 1.0.

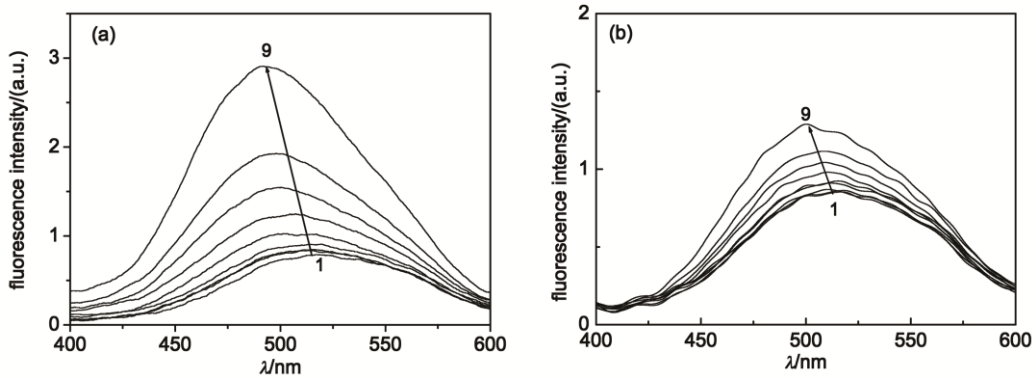

图 S3　含 PEI 的 PBS(pH 7.4)缓冲液中 ANS 的发射荧光光谱

Fig. S3　Fluorescence emission of ANS in PBS (pH7.4) containing PEIs.

(a) PEI25k, (b) PEI1.8k. λ_{ex} = 388 nm, c_{ANS} = 5 × 10^{-6} mol L^{-1};

c_{PEI}/(mg mL^{-1}): (1) 0, (2) 0.01, (3) 0.02, (4) 0.05, (5) 0.1, (6) 0.2, (7) 0.3, (8) 0.5, (9) 1.0.

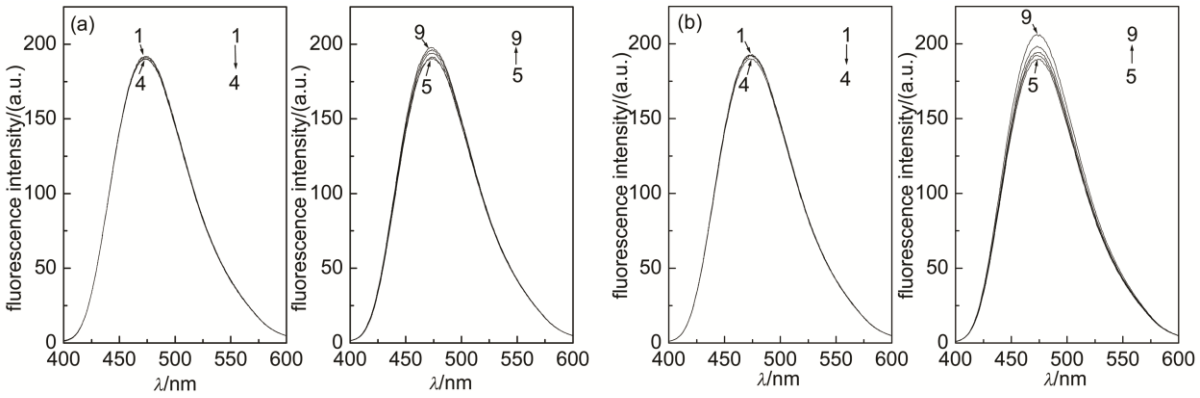

图 S4　含 PEI 和 HSA 的 PBS(pH 7.4)缓冲液中 ANS 的发射荧光光谱

Fig. S4　Fluorescence emission of ANS in PBS (pH7.4) containing PEIs and HSA.

(a) PEI25k, (b) PEI1.8k. λ_{ex} = 388 nm, $c_{ANS} = 5 \times 10^{-6}$ mol Ł$^{-1}$, $c_{HSA} = 5 \times 10^{-6}$ mol Ł$^{-1}$;

c_{PEI}/(mg mL^{-1}): (1) 0, (2) 0.01, (3) 0.02, (4) 0.05, (5) 0.1, (6) 0.2, (7) 0.3, (8) 0.5, (9) 1.0.