Superactivity of α–Chymotrypsin with Biological Buffers, TRIS, TES, TAPS, and TAPSO in Aqueous Solutions

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Supporting Information



Fig. 1S (a-c). The UV-Visible measurements for α -CT in 0.05 M, 0.5 M, and 0.7 M or 1.0 M TES (a), TAPS (b), and TAPSO (c) at 25 °C and pH = 8.0. Solid black line 0.05 M, solid red line 0.5 M, and solid blue line 1.0 M.



Fig. 2S (a-c). The emission fluorescence spectra for α -CT in 0.05 M, 0.5 M, and 0.7 M or 1.0 M TES (a), TAPS (b), and TAPSO (c) at excited wavelength of 280 nm, 25 °C temperature and pH = 8.0: (**a**), 0.05 M; (**b**), 0.5 M: (**b**), 0.7 or 1.0 M



Fig. 3S (a). The hydrogen bond interactions of TES with α -CT



Fig. 3S (b). The hydrogen bond interactions of TAPS with α -CT



Fig. 3S (c). The hydrogen bond interactions of TAPSO with α -CT