Figure 1S. $^{31}$P NMR spectra of ligand and Ln$^{III}$–CDTP solutions at pH around 5 and 9.
Figure 2S. Absorption spectra of Eu^{III} aqua ion and Eu^{III} complexes with CDTP and CDTA; (Eu(ClO_4)_3): c_{Eu} = 6.53 \times 10^{-1} \text{ mol dm}^{-3}, d = 5 \text{ cm}; Eu^{III}–CDTP: c_{Eu} = 1.25 \times 10^{-2} \text{ mol dm}^{-3}, c_L = 1.38 \times 10^{-2} \text{ mol dm}^{-3}, d = 5 \text{ cm}; Eu^{III}–CDTA c_{Eu} = 2 \times 10^{-2} \text{ mol dm}^{-3}, c_L = 2.2 \times 10^{-2} \text{ mol dm}^{-3}, d = 5 \text{ cm}.
Figure 3S. Corrected emission spectra of 2:1 and 1:1 Eu$^{3+}$–CDTP solutions at different pH ($\lambda_{\text{exc}} = 394$ nm).