ELECTRONIC SUPPLEMENTARY INFORMATION

A ratiometric fluorescent probe for quantification of alkaline phosphatase in living cells

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Additional spectra

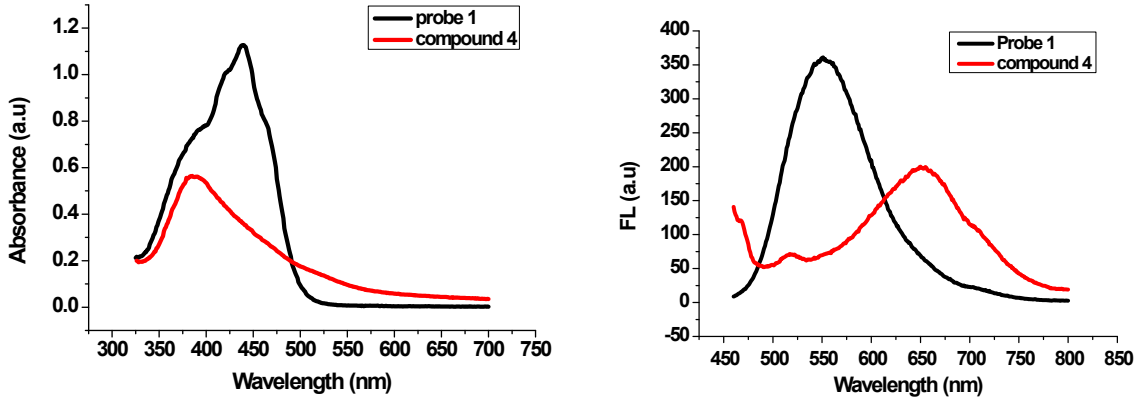

Fig. S1 Absorption and emission spectra of the probe **1** (50 μM) and the intermediate **4** (50 μM) in Tris-HCl buffer solution (10 mM, pH = 7.4, 25 °C)

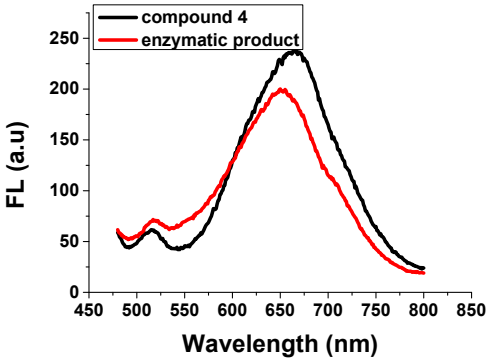

Fig. S2 Emission spectra of the compound **4** (black) and enzymatic product of the probe (red) in Tris-HCl buffer solution (10 mM, pH = 7.4, 25 °C).

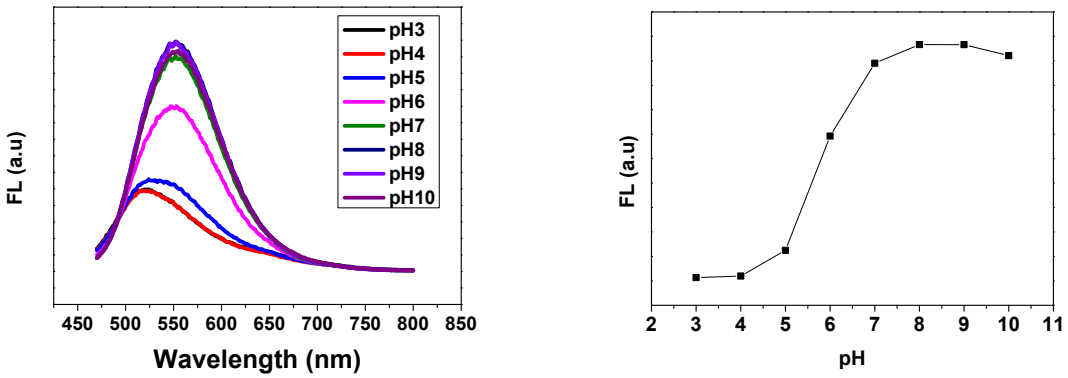

Fig. S3 Emission spectra of the probe **1** in different pH buffer solutions.

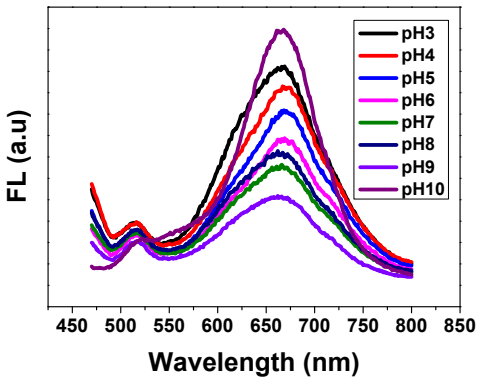

Fig. S4 Emission spectrum of the intermediate **4** in different pH buffer solutions.

Fig. S5 Color change of the probe **1** before and after incubation with ALP.

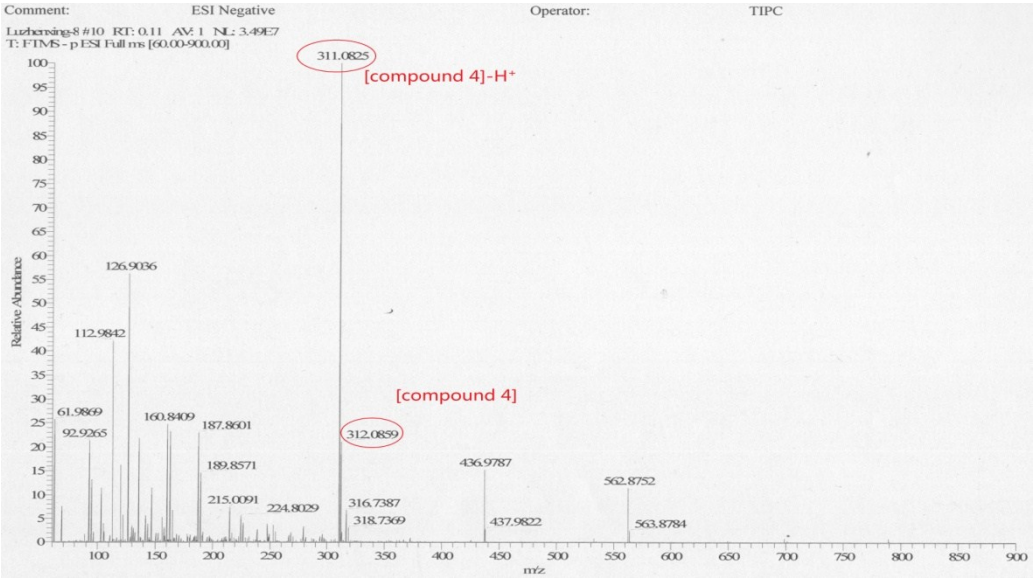

Fig. S6 Mass spectrum of enzymatic product of the probe **1**.

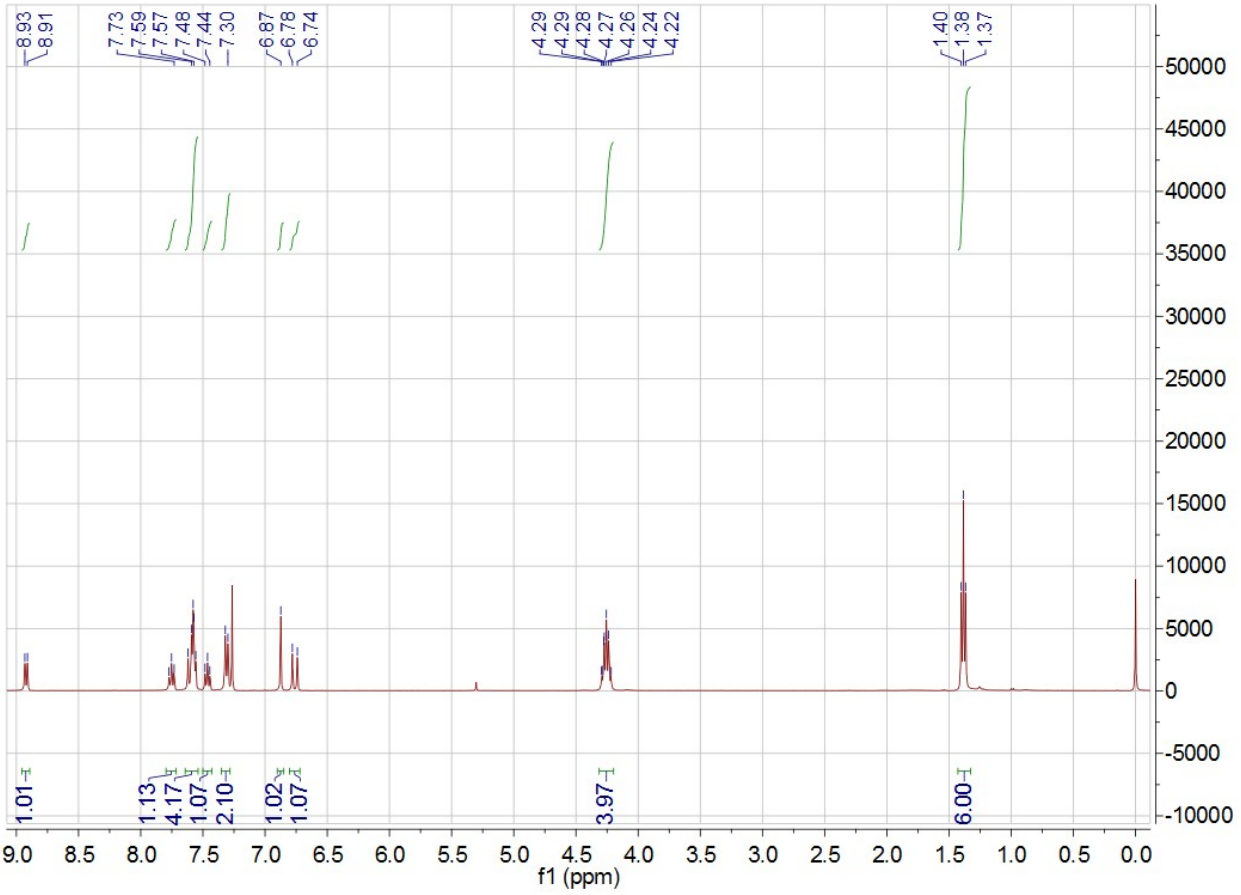

Fig. S7 ^{1}H NMR of the compound **5** in $CDCl_3$

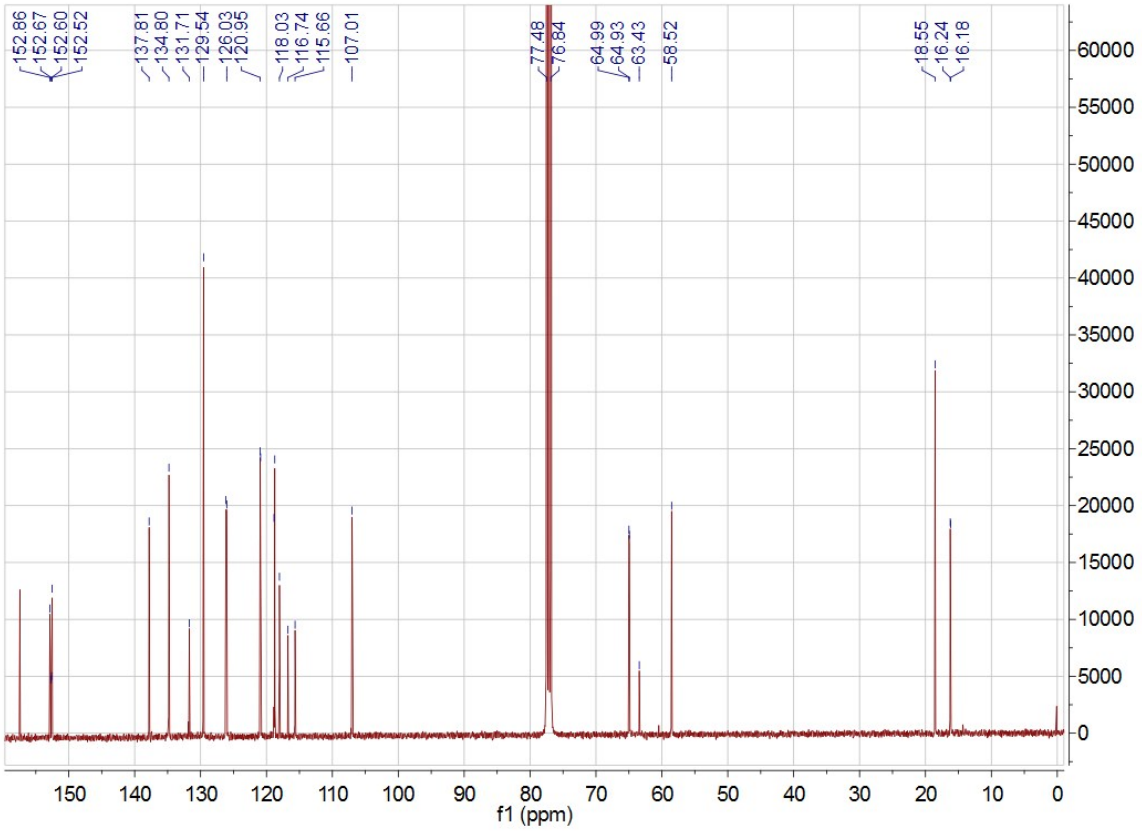

Fig S8. ^{13}C NMR of the compound **5** in $CDCl_3$

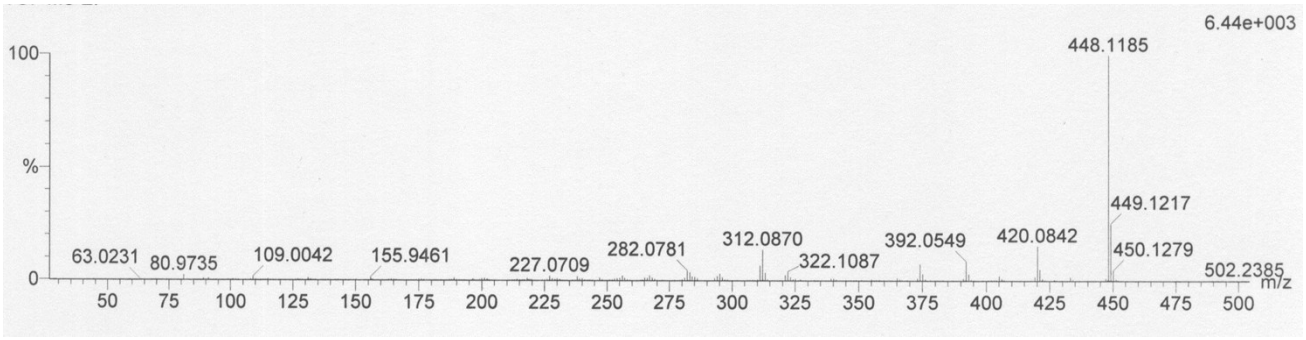

Fig. S9 HRMS of the compound **5**.

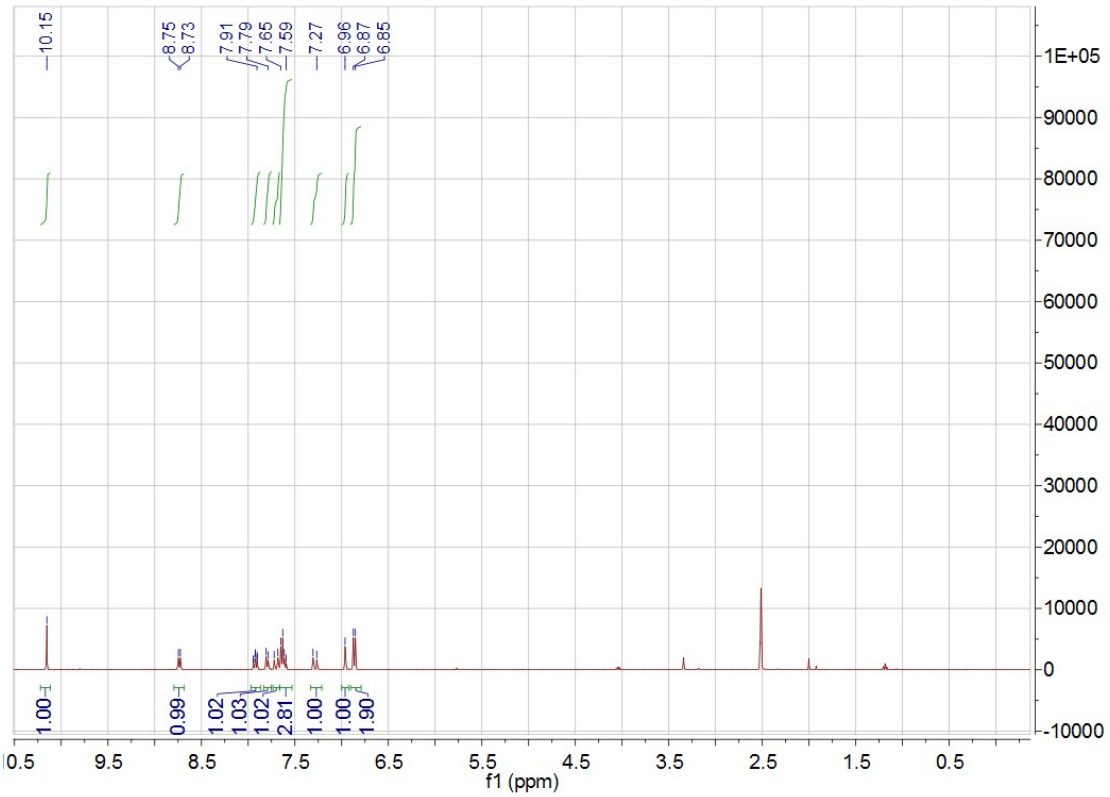

Fig. S10 ^{1}H NMR of the probe **1** in DMSO-d_6

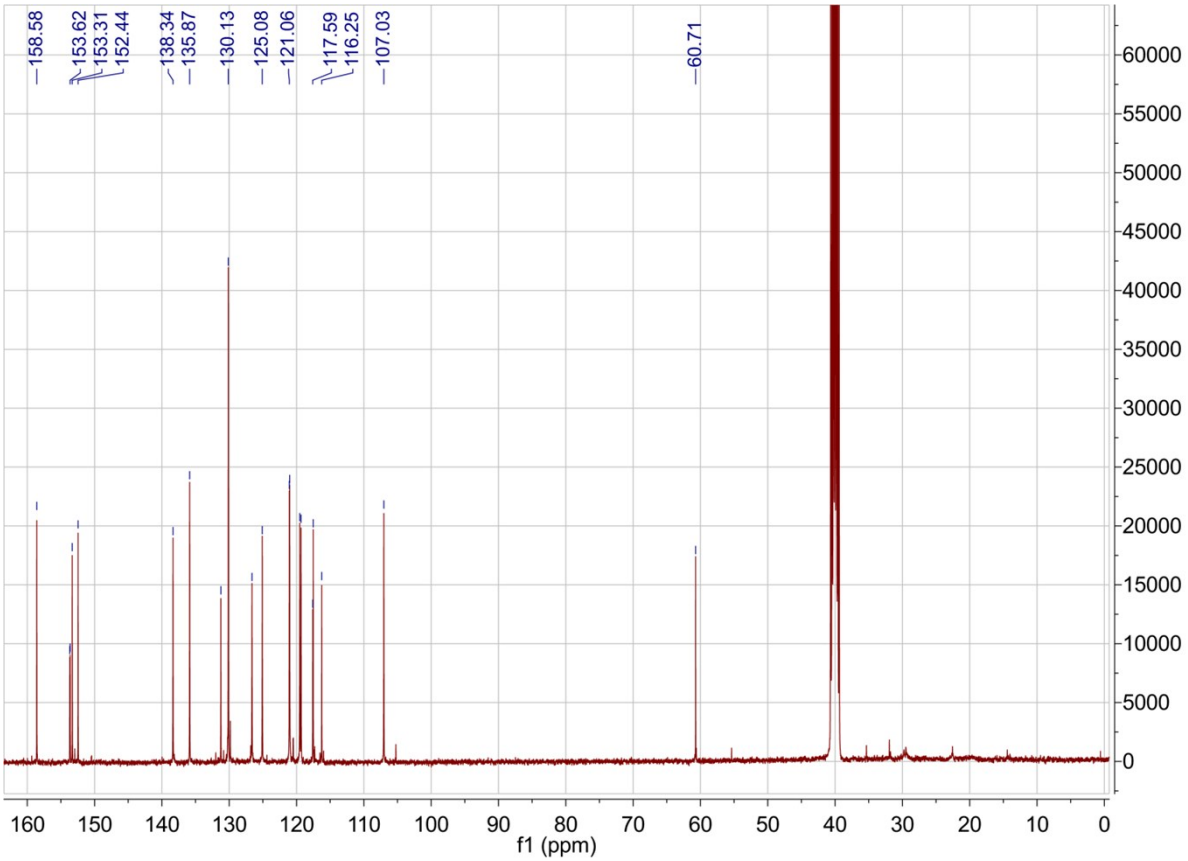

Fig. S11 ^{13}C NMR of the probe **1** in DMSO-d_6

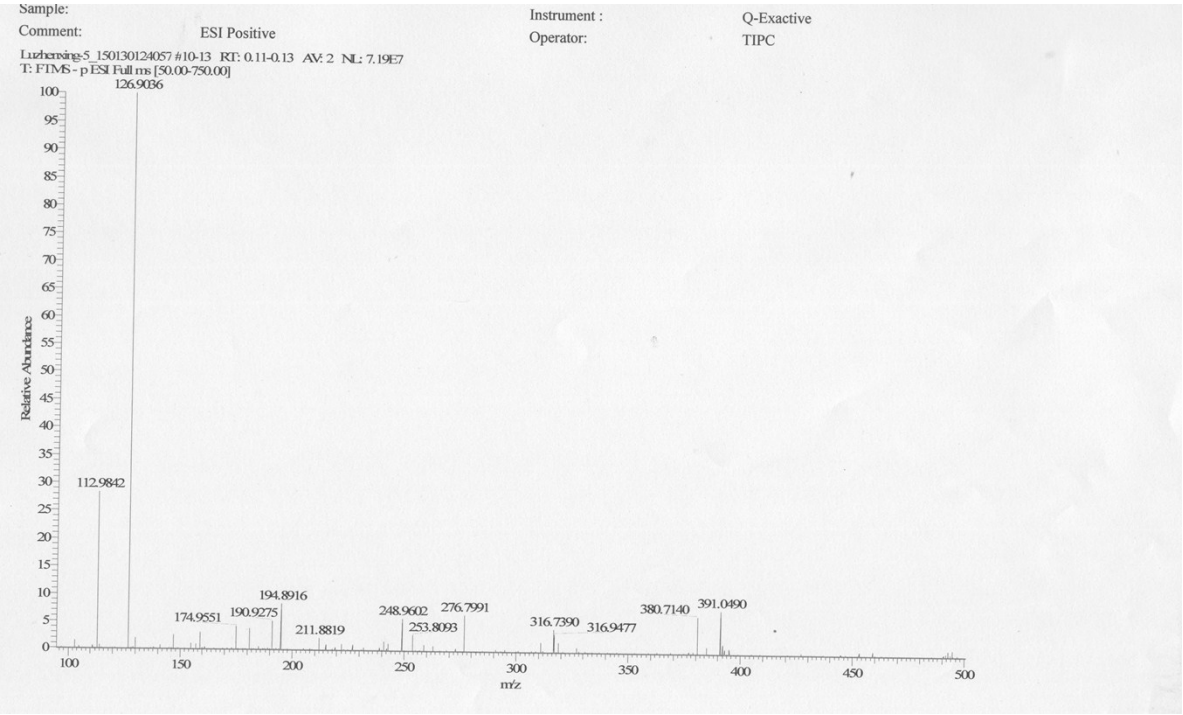

Fig. S12. HRMS analysis of the probe **1**.