

Table S1 EDX analysis of Eu³⁺/ DUT-52-COOH.

Element	Wt%	Wt% Sigma	At%
C K	52.56	0.40	73.15
N K	0.00	0.70	0.00
O K	21.15	0.29	22.10
Zr L	25.32	0.29	4.64
Eu L	0.98	0.20	0.11

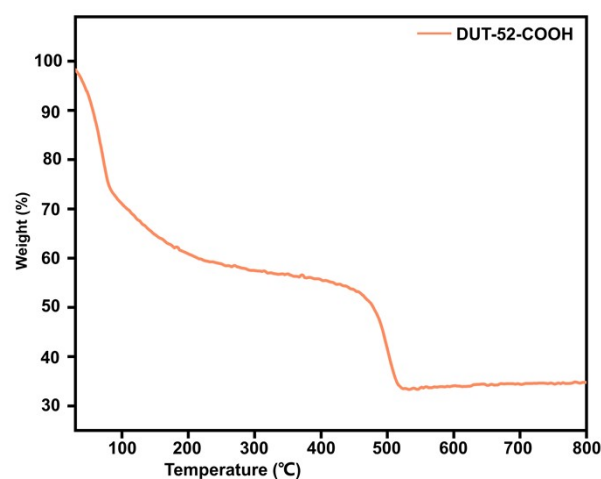


Figure S5. TGA curves of the DUT-52-COOH.

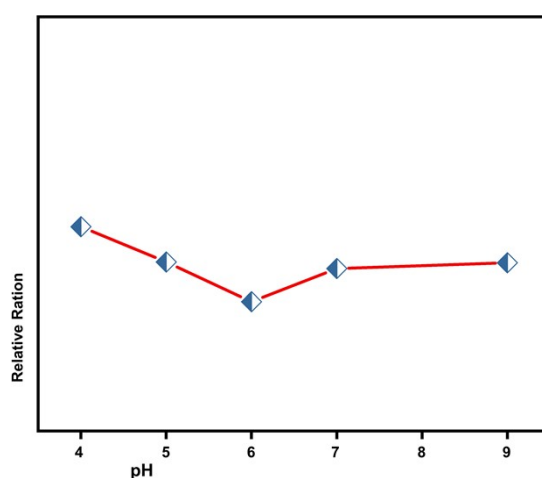


Figure S6. The relative luminescence ratio of Eu³⁺/DUT-52-COOH composite dispersed in different pH.

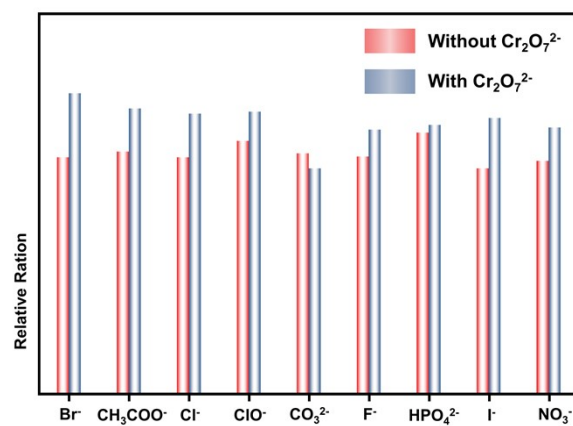


Figure S7. The relative luminescence ratio of Eu^{3+} /DUT-52-COOH composite with and without $\text{Cr}_2\text{O}_7^{2-}$ in the presence of other anions in aqueous solutions under excitation wavelength at 371 nm.