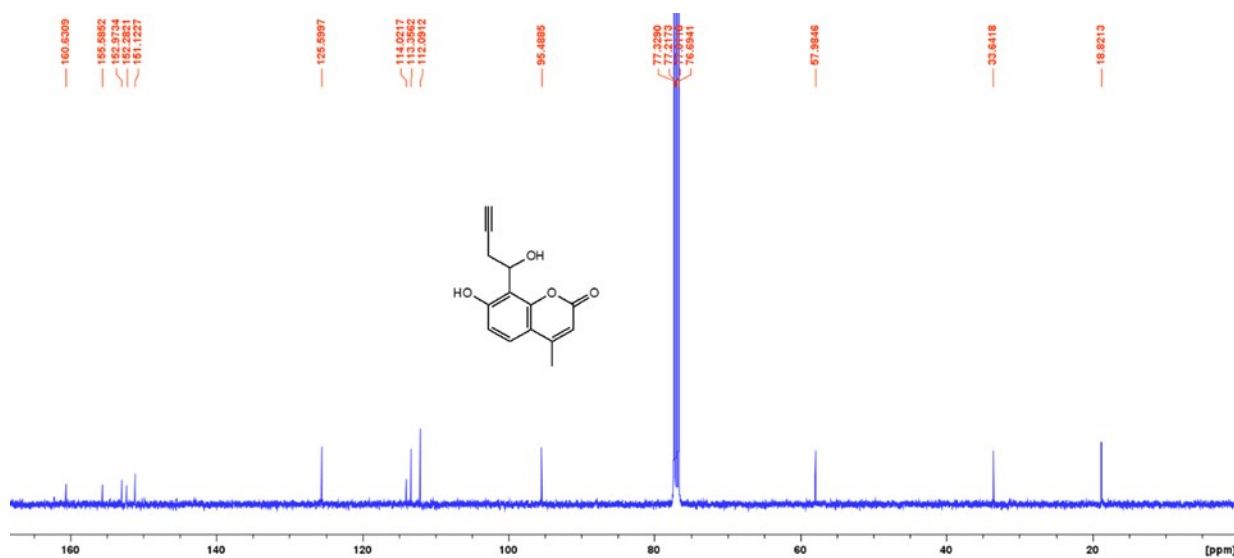
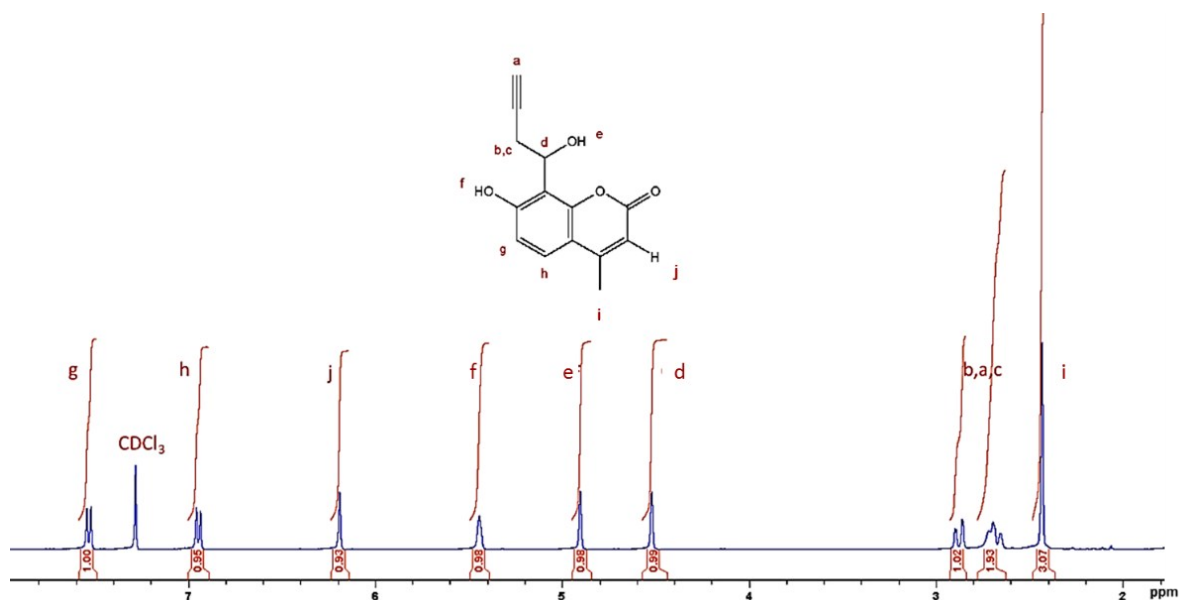


A highly selective and sensitive ESIPT-based coumarin-triazole polymer for the ratiometric detection of Hg^{2+}

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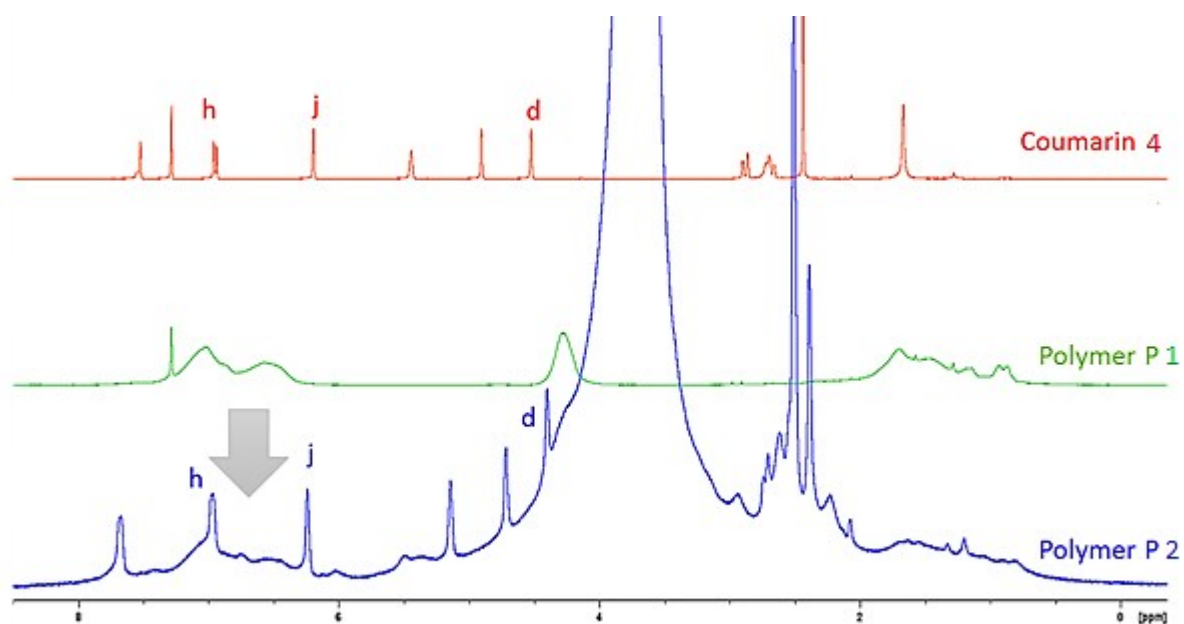


Figure S3: ^1H NMR spectra of coumarin **4**, **P1** and **P2**. For coumarin **4** and **P1** CDCl_3 was used as NMR solvent and DMSO-d_6 was used for **P2**.

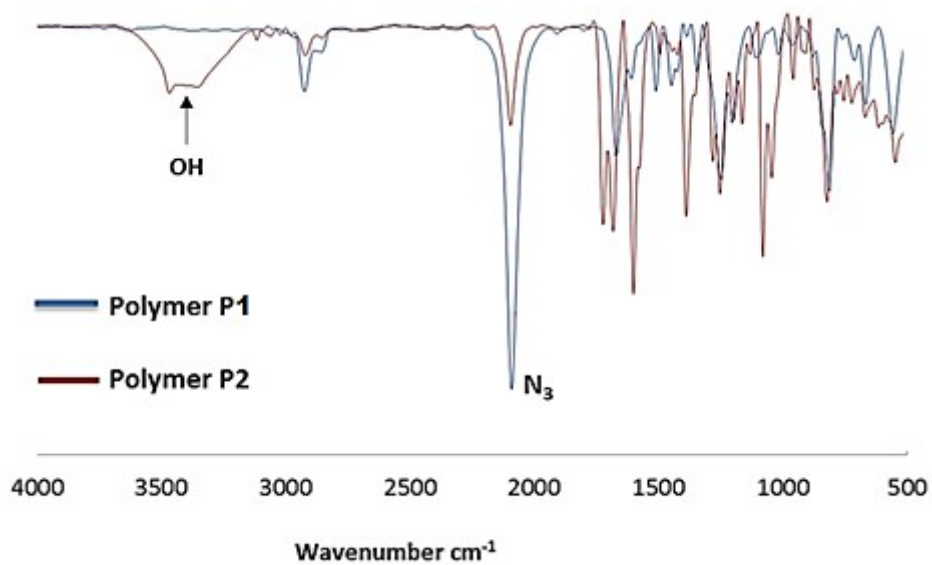


Figure S4: FT-IR spectra of polymer **P1** and the functionalized polymer **P2**.

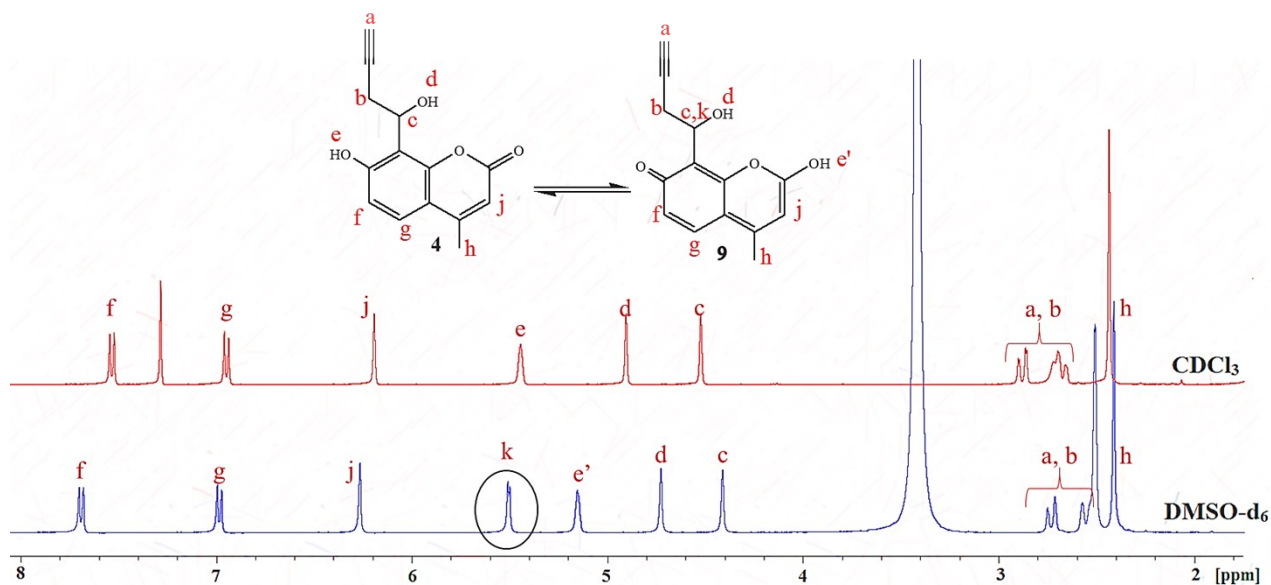


Figure S5: Comparison of ¹H NMR of **4** in CDCl₃ and in DMSO-d₆.

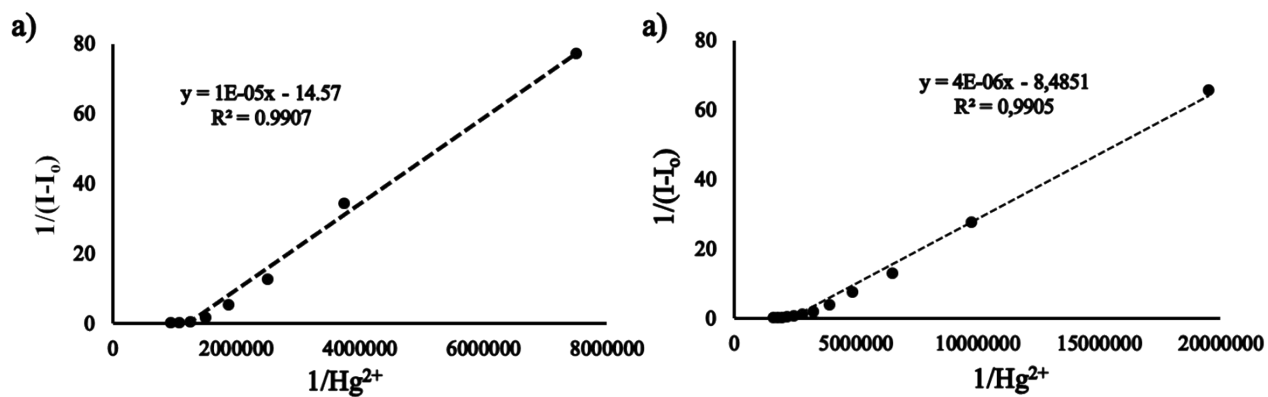


Figure S6: Benesi-Hildebrand plot of **4** (a) and **P2** (b) with Hg²⁺ ($\lambda_{\text{ex}} = 330 \text{ nm}$).