## Supporting Information to

## Synthesis of Poly(2-aminothiazole) for Selective Removal of Hg(II) in Aqueous Solutions

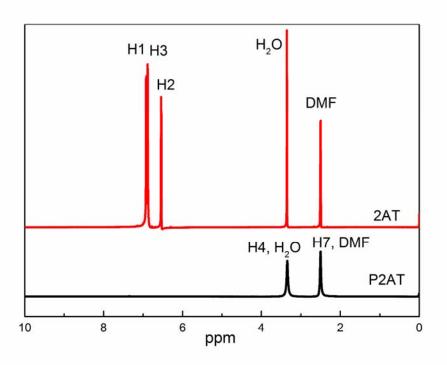
Xia Wang,  $^{\dagger}$  Pengfei Lv,  $^{\dagger}$  Hua Zou,  $^{\dagger,*}$  Ying Li,  $^{\dagger}$  Xiaoyan Li,  $^{\dagger}$  Yaozu Liao $^{\ddagger,*}$ 

<sup>†</sup>School of Materials Science and Engineering, University of Shanghai for Science and Technology, 516 Jungong Road, Shanghai 200093, China

E-mail: hua.zou@usst.edu.cn. Phone: +86-21-55270632. Fax: +86-21-55270632.

<sup>‡</sup>State Key Laboratory for Modification of Chemical Fibers and Polymer Materials & College of Materials Science and Engineering, Donghua University, Shanghai 201620, China

E-mail: yzliao@dhu.edu.cn. Phone: +86-21-67792882. Fax: +86-21-67792855.



**Figure S1**. Synthetic route to PAT with two tautomeric forms and <sup>1</sup>H NMR spectra of AT and PAT.