

Supporting Information

SELECTIVE ADSORPTION OF MERCURY(II) ION BY *p*-*tert*-BUTYLCALIX[4]THIACROWN-5 AT A SOLID-LIQUID INTERFACE

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Powder X-ray diffraction patterns of **1** and **2** were recorded at a continuous scanning rate of $0.5^\circ 2\theta \text{ min}^{-1}$ using Cu K_α radiation (40 kV, 40 mA) with the intensity of diffracted X-rays being collected at intervals of $0.01^\circ 2\theta$. A graphite filter was used to remove Cu K_β radiation. As shown in Figure S1, the solids of **1** and **2** used for the solid–liquid adsorption experiments are crystalline powders rather than amorphous.

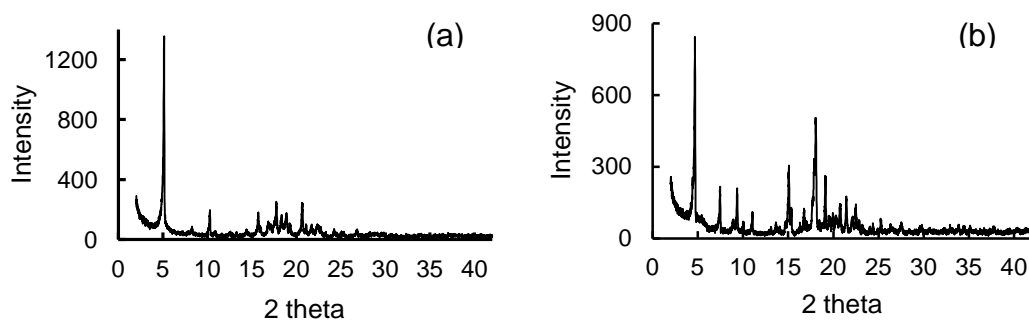


Figure S1. Powder XRD patterns of (a) **1** and (b) **2**.