

Supplementary Information

Of

Ethanol-guided synthesis of (flower-on-leaf)-like aniline oligomers with excellent adsorption properties

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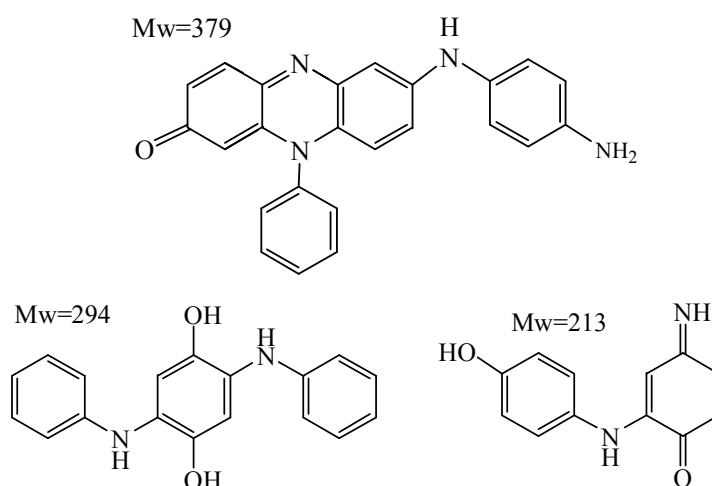


Figure S1. Possible molecular structures of oligomers synthesized by 15 min oxidation of aniline in EtOH/H₂O (3:7) mixture.

Figure S2. FESEM images of the products prepared by the oxidation of aniline in (a) methanol/water (3:7, v/v) or (b) ethylene-glycol/water (3:7, v/v) mixed medium, other synthetic conditions are same to those in Fig. 1.

Table S1. A comparison of crystal violet adsorption performance of the as-prepared oligoaniline with other sorbent.

sorbent	type	particle size	maximal uptake	Refs.
<i>(flower-on-leaf)-like oligoaniline</i>	synthetic	Hierarchical microstructures	350 mg g ⁻¹	This study
<i>coniferous pinus bark powder</i>	natural	44 – 240 mesh screens	8.9 mg g ⁻¹	Journal of Hazardous Materials, 2009, 171, 767-773.
<i>Activated Carbons Prepared from Rice Husk</i>	natural+modified	mean pore radius 2.42 nm	64.875 mg g ⁻¹	Ind. Eng. Chem. Res. 2006, 45, 5165-5171.
<i>Activated carbons derived from male flowers of coconut tree</i>	natural+modified	Surface area =328.2 m ² /g	60.42 mg g ⁻¹	Journal of Hazardous Materials, 2006, B136, 800-808.
<i>Multi-walled carbon nanotubes decorated with Mn_{0.8}Zn_{0.2}Fe₂O₄</i>	synthetic	Surface area =59.8 m ² /g.	~5.0 mg g ⁻¹	Chemical Engineering Journal, 2014, 255, 156-164.
<i>Clay/poly(N-isopropylacrylamide) composite hydrogels</i>	natural+synthetic		4.71 mg g ⁻¹	Applied Clay Science, 2014, 90, 1-5.