

## Supporting Information

### Amino acid-based ionic liquid surface modification on magnetic nanoparticles for the magnetic solid-phase extraction of heme proteins

Binghai Wang, Xiong Wang, Juanqiang Wang, Xue Xue, Xingjun Xi, Qiao Chu, Genlai Dong and Yun Wei\*

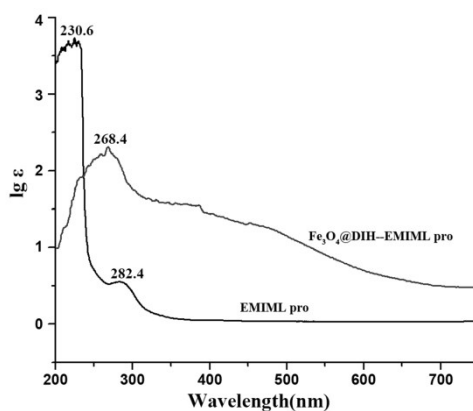


Fig. S1 Ultraviolet spectra of EMIMLpro and Fe<sub>3</sub>O<sub>4</sub>@DIH--EMIMLpro

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\* Corresponding author: Yun WEI, State Key Laboratory of Chemical Resource Engineering, Beijing University of Chemical Technology, 15 Beisanhuan East Road, Chaoyang District, Beijing 100029, China, Tel & fax: 0086 10 64442928. E-mail: [weiyun@mail.buct.edu.cn](mailto:weiyun@mail.buct.edu.cn)

**Table S1** Various magnetic adsorbents for hemoglobin adsorption

Material	Adsorption capacity (mg/g)	Adsorption time (h)	Reference
Cu <sup>2+</sup> -IDA-SiO <sub>2</sub> -Fe <sub>3</sub> O <sub>4</sub>	418.6	5	[1]
Hb magnetic molecularly imprinted polymers	10.5	1	[2]
Fe <sub>3</sub> O <sub>4</sub> @DIH--EMIMLpro	1580	0.25	in this work

### References

- 1 M. Zhang, D. Cheng, X. W. He, L. X. Chen, Y. K. Zhang, *Chem. Asian J*, 2010, 5, 1332-1340.
- 2 X. W. Kan, Q. Zhao, D. L. Shao, Z. R. Geng, Z. L. Wang, J. J. Zhu, *J. Phys. Chem. B.*, 2010, 114, 3999-4004.