

Ionic liquid as porogen in the preparation of a polymer-based monolith for the separation of protein by high performance liquid chromatography

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Figures in supporting information:

Fig. S1 The FT-IR of 1-butyl-3-methylimidazolium chloride.

Fig. S2 The ^1H NMR of 1-butyl-3-methylimidazolium chloride.

Fig. S3 The ^{13}C NMR of 1-butyl-3-methylimidazolium chloride.

Fig. S4 The ESI-MS of 1-butyl-3-methylimidazolium chloride.

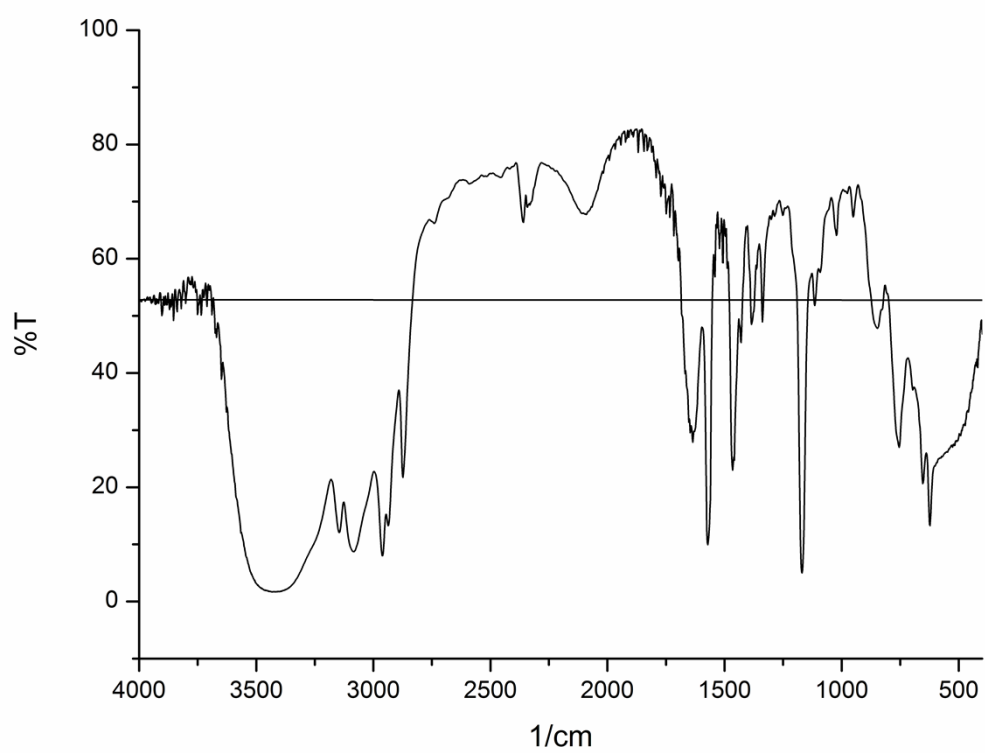


Fig. S1

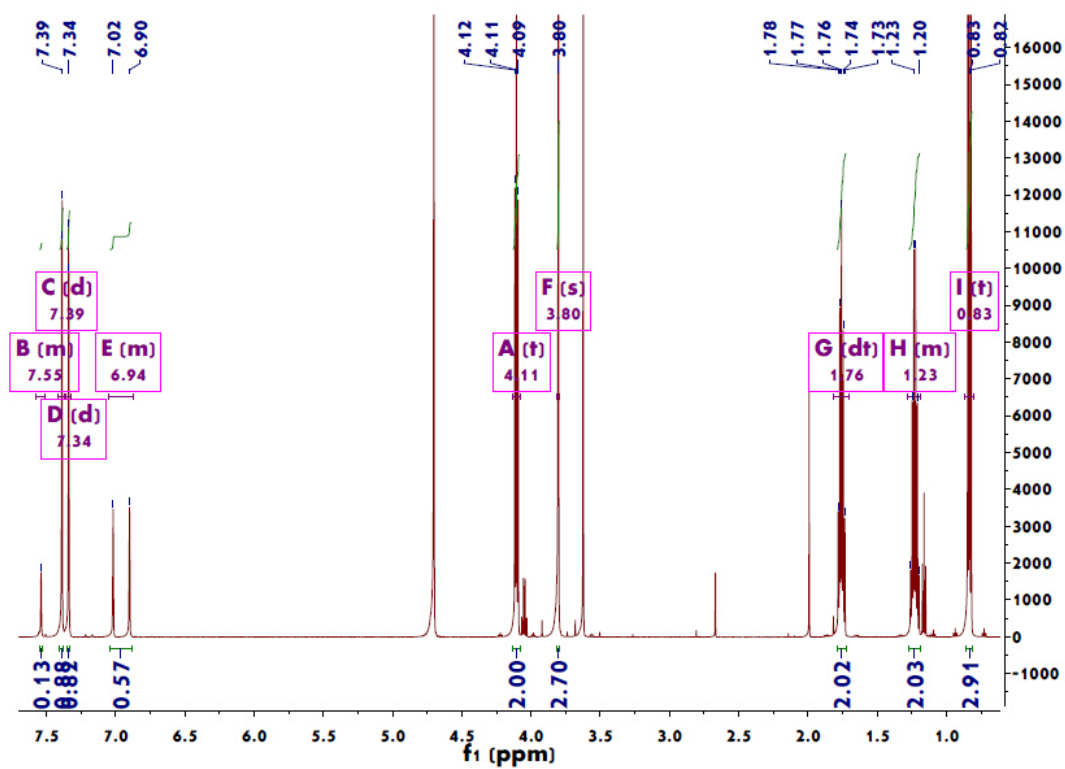


Fig. S2

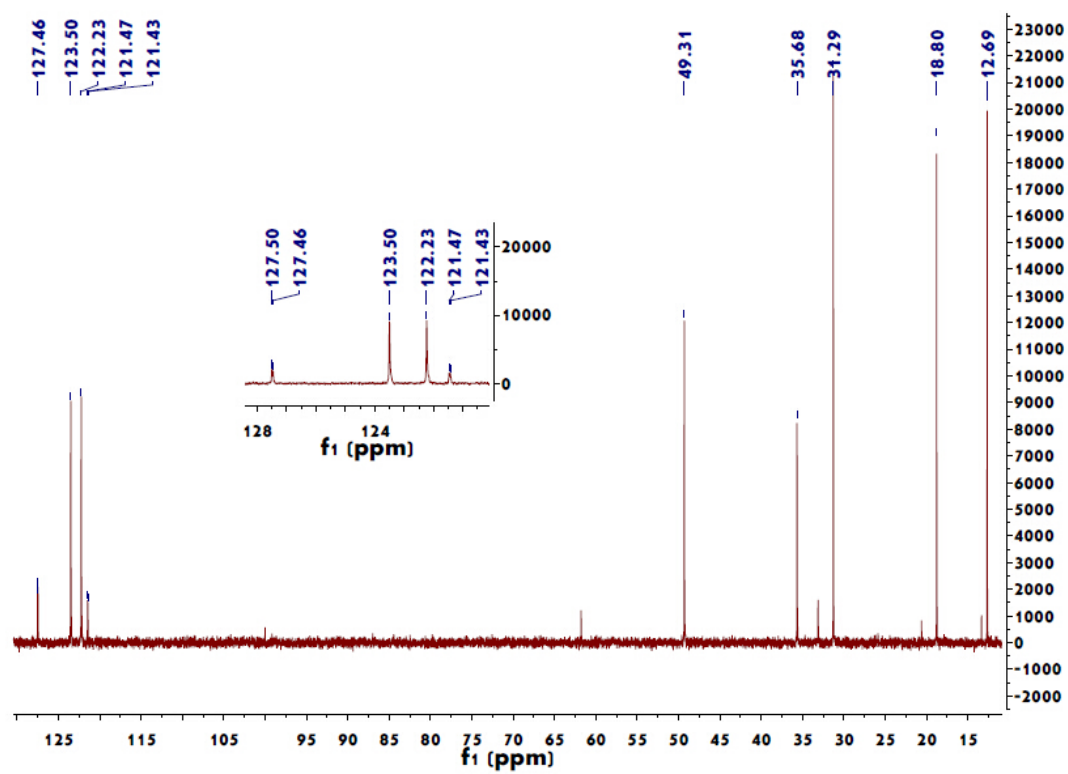


Fig. S3

Mass Spectrum SmartFormula Report

Analysis Info

Analysis Name D:\Data\20140425\WJF_02_000002.d
Method SmallMS140419
Sample Name
Comment Any questions could be sent to ChuanqiZhou@163.com

Acquisition Date 2014/4/25 16:27:39

Operator ChuanqiZhou@163.com
Instrument apex-Ultra

Acquisition Parameter

| | | | | | |
|--------------------------|------------|-------------------------|--------------------|-----------------------|--------------------------|
| Polarity | Positive | Source | ESI | No. of Laser Shots | 20 |
| Averaged Scans | 2 | No. of Cell Fills | 1 | Laser Power | 51.0 % |
| Broadband Low Mass | 100.3 m/z | End Plate | 3500.0 V | MALDI Plate | 300.0 V |
| Broadband High Mass | 1400.0 m/z | Capillary Entrance | 4000.0 V | Imaging Spot Diameter | 2000.0 μ m |
| Acquisition Mode | Single MS | Skimmer 1 | 20.0 V | Calibration Date | Fri Apr 25 03:32:19 2014 |
| Pulse Program | basic | Drying Gas Temperature | 180.0 $^{\circ}$ C | Data Acquisition Size | 131072 |
| Source Accumulation | 0.0 sec | Drying Gas Flow Rate | 4.0 L/min | Apodization | Sine-Bell Multiplication |
| Ion Accumulation Time | 0.1 sec | Nebulizer Gas Flow Rate | 1.0 L/min | | |
| Flight Time to Acq. Cell | 0.0 sec | | | | |

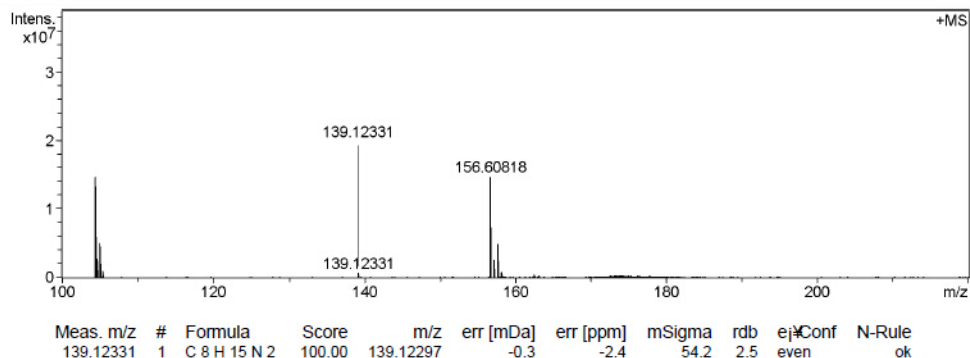


Fig. S4