

Protective effect of *Potentilla anserina* polysaccharide on cadmium induced nephrotoxicity in vitro and in vivo

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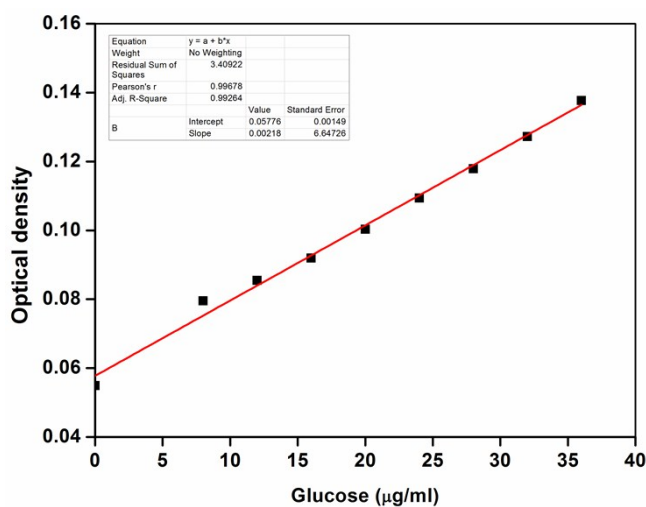
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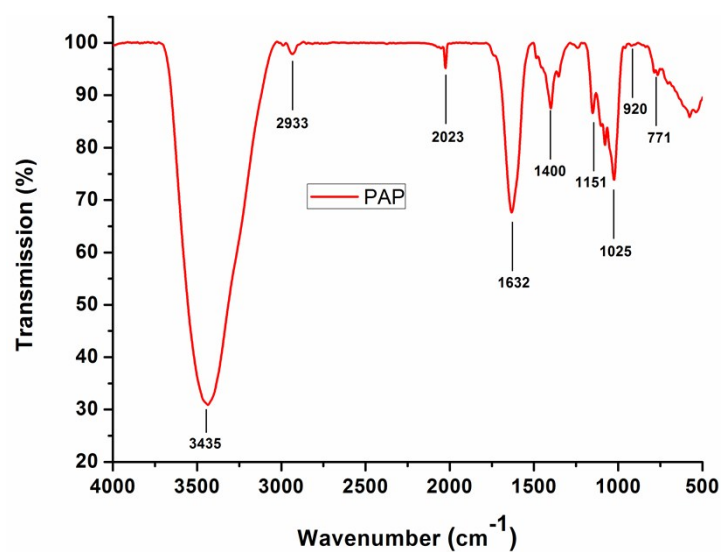
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Supplementary:

1. Fig. S1 The standard curve of glucose

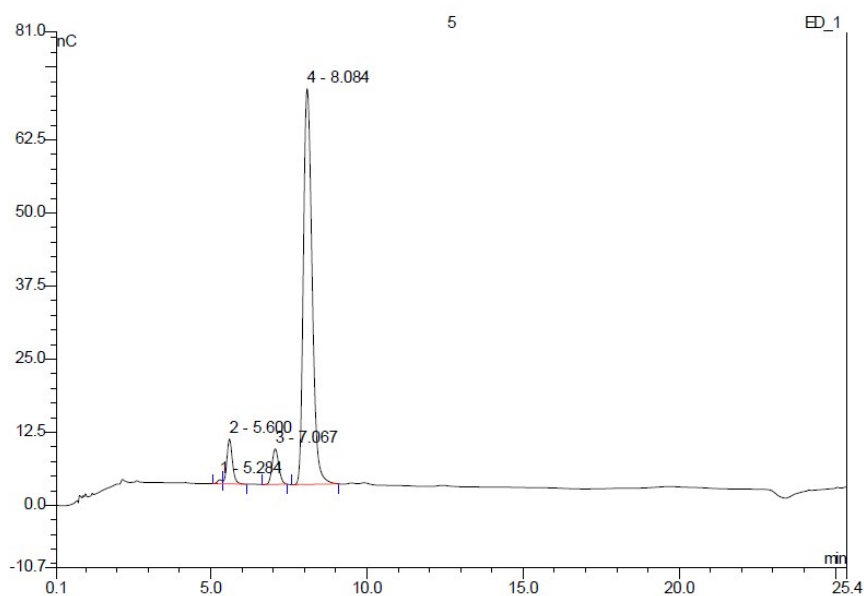


2. Fig. S2 Infrared spectra analysis of *Potentilla anserina* polysaccharide



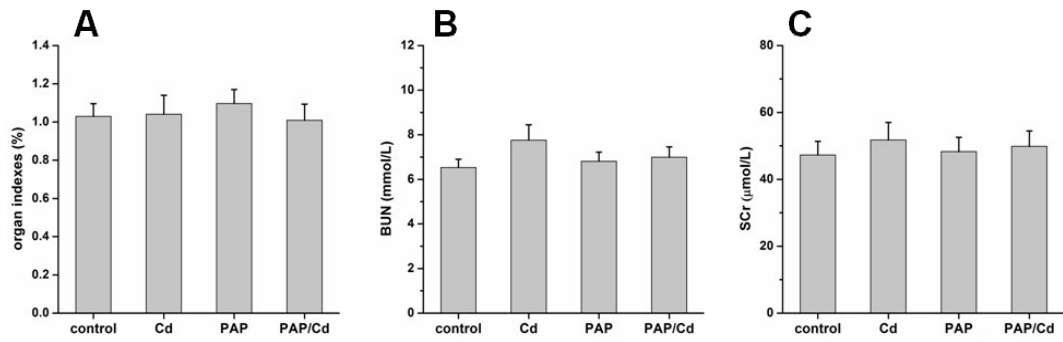
In the infrared spectrum analysis result, the 3435 cm⁻¹ absorption peak is the characteristic peak of hydroxyl (-OH); the 2933 cm⁻¹ absorption peak is the characteristic peak of carbon-hydrogen bond (C-H); the 1632 cm⁻¹ absorption peak is the characteristic peak of carbonyl (C=O); the absorption peak from 1151 cm⁻¹ to 1025 cm⁻¹ is the characteristic peak of C-O-C and C-O-H in pyranoside; the 920 cm⁻¹ and 771 cm⁻¹ absorption peak are the asymmetric and symmetric stretching vibration absorption center of pyran ring in saccharide respectively.

3. Fig. S3 HPLC chromatogram of PAP



1-rhamnose (2.52%), 2-galactose (6.62%), 3-arabinose (6.85%), 4-glucose (44.5%) .

4. **Fig. S4** Organ indexes, BUN and SCr



5. **Fig. S5** Masson's trichrome staining

