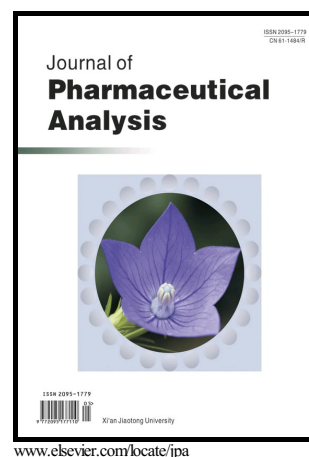


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Abbreviations:

EMMA, electrophoretically mediated microanalysis; **IMER**, immobilized enzyme microreactor; **UV**, ultraviolet; **HPLC**, high performance liquid chromatography; **CE**, capillary electrophoresis; **LIF**, laser induced fluorescence; **MS**, mass spectroscopy; **CA**, carbonic anhydrase; **PFK-1**, phosphofructokinase-1; **CLE-CE**, chiral ligand exchange capillary electrophoresis; **AAILs**, amino acid ionic liquids; **DAAO**, D-amino acid oxidase; **AuNPs**, gold nanoparticles; **TDLFP**, transverse diffusion of laminar flow profiles; **TCM**, traditional Chinese medicine; **MEKC**, micellar

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