

### Ionic Liquid-Based Dispersive Extraction of Phenolic Acids from Plant

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Phenolic acid have received particular attention in the past decades due to their excellent antioxidant activity. Many efforts have been devoted to analyze and separate these phenolic acids from raw materials. By comparing previous method, a simple and convenient process was proposed. In addition, the involvement of silica-confined ionic liquids significantly increases the efficiency. The target analytes were first extracted by three-phase (sample-solvent-sorbent) dispersive extraction. Then the obtained suspension was filled in cartridge for solid phase extraction process. By these two steps, target compound was adequately separated from interference. The proposed material and method were successfully evaluated by extraction and separation of protocatechuic acid, caffeic acid and ferulic acid from *Saliconia herbaces L.* with high recovery. Moreover, this proposed method exhibited potential applicability to other organic acids.