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Title: Microcrystalline cellulose based matrix solid phase dispersion microextraction for isomeric triterpenoid acids in loquat leaves by ultrahigh-performance liquid chromatography and quadrupole time-of-flight mass spectrometry

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Microcrystalline cellulose based matrix solid phase dispersion microextraction for  
isomeric triterpenoid acids in loquat leaves by ultrahigh-performance liquid  
chromatography and quadrupole time-of-flight mass spectrometry

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**Highlights:**

A new application of MSPD using MCC as solid sorbent is proposed.

The chemical constituents in loquat leaves were identified by UHPLC-Q-TOF/MS.

Different parameters affecting the extraction efficiency were optimized with UHPLC.

The method was applied to the analysis of triterpenoid acids in loquat leaf.

**ABSTRACT**

An analytical procedure based on matrix solid phase dispersion (MSPD) microextraction and ultrahigh-performance liquid chromatography coupled with

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