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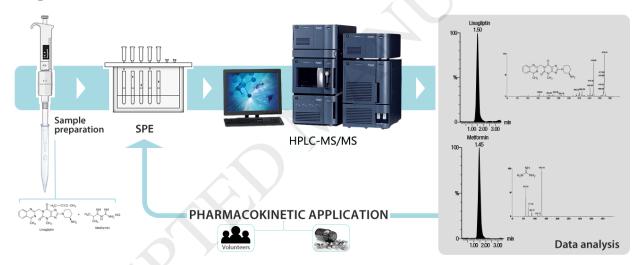
A validated HPLC-MS/MS method for simultaneous determination of linagliptin and metformin in spiked human plasma coupled with solid phase extraction: Application to a pharmacokinetic study in healthy volunteers

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Graphical abstract



Highlights

- An HPLC-MS/MS method was developed for bioanalysis of linagliptin and metformin
- Challenge of drugs different polarities was overcome by solid phase extraction
- The method was validated following FDA validation guidelines
- Sensitivity, selectivity and overall analysis time promote pharmacokinetic study
- First pharmacokinetic study on volunteers with plasma concentration time curves

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