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ACCEPTED MANUSCRIPT

An LC-MS/MS method for simultaneous determination of curcumin, curcumin glucuronide and curcumin sulfate in a phase II clinical trial

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Highlights

- An LC-MS/MS method was developed for simultaneous determination of curcumin, curcumin glucuronide and curcumin sulfate in human plasma.
- Dual internal standards were used for correction of matrix effect and quantitation of analytes.
- Plasma samples were prepared by a simple protein precipitation procedure.
- The method developed was validated in accordance with the US-FDA guidelines for bioanalytical method validation.
- It had been applied to a phase II clinical study of curcumin.

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