

## Accepted Manuscript

Title: Simultaneous quantification of vortioxetine, carvedilol and its active metabolite 4-hydroxyphenyl carvedilol in rat plasma by UPLC-MS/MS: Application to their pharmacokinetic interaction study

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### Highlights

1. First determination of vortioxetine, carvedilol and its metabolite in plasma.
2. Extraction performed with a simple protein precipitation.
3. The Pharmacokinetic interaction study in rats is firstly reported.

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