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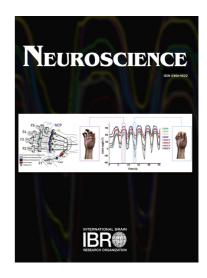
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### ACCEPTED MANUSCRIPT

# Mechanisms underlying alterations in norepinephrine levels in the locus coeruleus of ovariectomized rats: modulation by estradiol valerate and black cohosh

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**Author contributions:** Lihua Qin, Jing Zhang, Wenpei Bai, Wenjuan Wang, Ke Wang and Jing Jia designed the study; Jing Zhang, Hai Jiang and Biao Jin conducted the research; Jing Zhang, Yao Liu and Shuya Liu analyzed the data; and Jing Zhang and Lihua Qin wrote the paper. All authors approved the manuscript before submission.

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