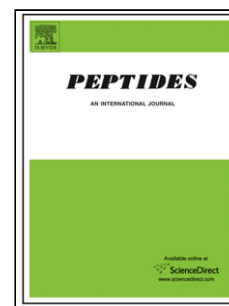


## Accepted Manuscript

Title: Alamandine injected into the paraventricular nucleus increases blood pressure and sympathetic activation in spontaneously hypertensive rats

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PII: S0196-9781(18)30063-9  
DOI: <https://doi.org/10.1016/j.peptides.2018.03.014>  
Reference: PEP 69944

To appear in: *Peptides*

Received date: 28-1-2018  
Revised date: 19-3-2018  
Accepted date: 22-3-2018

Please cite this article as: Shen Yi-Hui, Chen Xi-Ru, Yang Chun-Xi, Liu Bo-Xun, Li Peng. Alamandine injected into the paraventricular nucleus increases blood pressure and sympathetic activation in spontaneously hypertensive rats. *Peptides* <https://doi.org/10.1016/j.peptides.2018.03.014>

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Alamandine injected into the paraventricular nucleus increases blood pressure and sympathetic activation in spontaneously hypertensive rats

Running title: Alamandine in hypertension

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**Highlights**

- Administration of alamandine in PVN increases blood pressure and sympathetic output.
- Alamandine in PVN increases blood pressure and sympathetic output by activating MrgD.
- Alamandine exerts more pronounced effects in hypertensive rats than WKY rats.
- The cAMP-PKA pathway mediates alamandine's effects in the PVN.

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