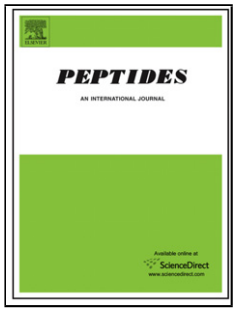

Title: Alamandine injected into the paraventricular nucleus increases blood pressure and sympathetic activation in spontaneously hypertensive rats

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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.