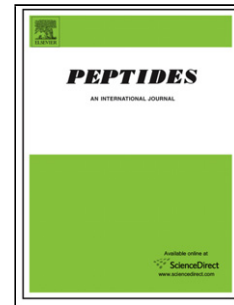


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Genetic deletion of the Angiotensin-(1–7) receptor Mas leads a reduced ovulatory rate

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The authors have nothing to disclose

Highlights

- Genetic deletion of Angiotensin (1-7) receptor Mas promotes a reduced ovulatory outcome.
- Knockout (Mas-KO) mice exhibit reduced follicular pool.
- Mas receptor deletion promotes a lower IGF-1 expression in the ovary.

ABSTRACT

Angiotensin-(1-7) [Ang-(1-7)] is a component of Renin-Angiotensin System (RAS) that acts through activation of the G-protein-coupled receptor Mas. Recent studies highlight Ang-(1-7) as an intermediate of gonadotropin in ovarian physiology. Genetically Mas-deficient mice allow the investigation of Ang-(1-7) in the ovulatory process. Therefore, the present study aimed to analyze the effects of Mas gene deletion on ovulation to

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