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Effects of daily exposure to saccharin sodium and rebaudioside A on the ovarian cycle and steroidogenesis in rats

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### Highlights

- Saccharin sodium induced adverse effects on estrous cycles and ovarian morphology.
- Protein expressions of ovarian steroidogenic-related factors and serum progesterone level were increased in rats after saccharin sodium exposure.
- Rebaudioside A induced decrease in ovarian steroidogenesis.
- Reproductive alterations in ovaries induced by sweeteners are related to taste receptors.

### Abstract

Saccharin sodium and rebaudioside A are widely used as non-caloric sweeteners in

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