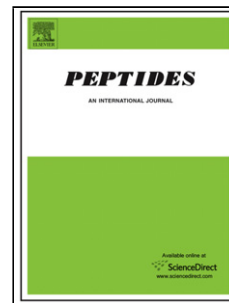


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Nesfatin-1 ameliorates testicular injury and supports gonadal function in rats induced with testis torsion

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Running title:

Nesfatin-1 supports testicular dysfunction

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HIGHLIGHTS:

- Nesfatin-1 reduced pro-inflammatory cytokine expressions in torsioned rat testis.
- Apoptosis and seminiferous tubular degeneration were depressed by nesfatin-1.
- Nesfatin-1 elevated expressions of TGF- β and reduced AKT and CREB in testis.
- Nesfatin-1 ameliorated oxidative damage and preserved spermatogenic cells.

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