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## ACCEPTED MANUSCRIPT

# Osthole alleviated diabetic neuropathic pain mediated by the P2X<sub>4</sub> receptor in dorsal root ganglia

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#### **Highlights**

- Up-regulated P2X<sub>4</sub> in DRG SGCs companied with diabetic neuropathic pain.
- Osthole decreased up-regulated P2X<sub>4</sub> and hyperalgesia in diabetic rats.
- Osthole inhibited SGC activation in DRG of diabetic rats.

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