

论文

乙酰天麻素对血管平滑肌的解痉作用

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摘要:

关键词: 解痉药 乙酰天麻素 罂粟碱

ANTI SPASMODIC EFFECT OF ACETAGASTRODINE ON VASCULAR SMOOTH MUSCLE

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Abstract:

Acetastrodine is a derivative of gastrodine. The consistent contraction of the spiral strips of bovine Willis arteries caused by 5-HT(10⁻⁶M) was inhibited by both acetastrodine and papaverine, the IC₅₀ were 995±300 µg/ml and 161±71 µg/ml, respectively. The striking contraction caused by high concentration of potassium was also antagonized by acetastrodine and papaverine, the IC₅₀ were 31.53±10.5 µg/ml and 35.18±16.6 µg/ml, respectively. The strong contraction of spiral strips of rabbit aorta induced by noradrenaline 0.1µg/ml was antagonized by acetastrodine. The relaxing effect of acetastrodine on bovine Willis arteries was stronger than on rabbit arteries.

Keywords: Acetastrodine Papaverine. Antispasmodic

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