

Effect of Selective Blockade of α 2-Adrenoceptor Subtypes on Cardiovascular System in Rats

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Abstract

© 2015, Springer Science+Business Media New York. Selective blockade of various α 2-adrenoceptors exerts various effects on the cardiovascular system in rats. Blockade of α 2A/D-adrenoceptors in experimental animals decelerates and then accelerates HR. Blockade of α 2B-adrenoceptors produces a negative chronotropic effect; blockade of α 2C-adrenoceptors has a positive chronotropic effect. Administration of selective blockers of α 2A/D- and α 2B-adrenoceptors causes hypotension, while selective blockade of α 2C-adrenoceptors increases BP.

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Keywords

blood pressure, chronotropy, heart, rat