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Effect of NO Synthase Blockade on Myocardial Contractility of Hypokinetic Rats during Stimulation of β -Adrenoreceptors

Zaripova R., Ziyatdinova N., Zefirov T.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016, Springer Science+Business Media New York. Stimulation of β -adrenoreceptors with low (10^{-8} and 10^{-7} M) or high (10^{-6} M) doses of isoproterenol in hypokinetic rats treated with L-NAME (a non-selective blocker of NO synthases) decreased or increased myocardial contractility, respectively. In control rats, all examined doses of isoproterenol used under blockade of NO synthases inhibited myocardial contractility.

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Keywords

hypokinesia, isoproterenol, myocardial contractility, nitric oxide, rat