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Abstract

Cutaneous arteries show enhanced contraction in response to cooling, which is suggested to be mediated via α_{2C} -adrenoceptors. We have previously shown that α_1 -adrenoceptors are also involved in the enhanced contraction in cooling conditions. In the present study, we aimed to identify the α_1 -adrenoceptor subtype involved in the response. Phenylephrine-induced contraction was enhanced by cooling to 24 °C in isolated rat tail arteries but suppressed in

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