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Nicorandil inhibits mechanical allodynia induced by paclitaxel by activating opioidergic and serotonergic mechanisms

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ABSTRACT

Recently, we demonstrated that nicorandil exhibits activities in models of inflammatory and nociceptive pain. In the present study, we extended this investigation by evaluating the effects of nicorandil in models of neuropathic pain induced by paclitaxel or nerve injury in mice. Four intraperitoneal (i.p.) injections of paclitaxel (2 mg/kg.day, cumulative dose 8 mg/kg) or chronic constriction injury (CCI) of the sciatic nerve induced a long lasting mechanical allodynia. Per os (p.o.) administration of two doses of

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