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عنوان مقاله:

Antinociceptive effects of maprotiline in a rat model of peripheral neuropathic pain: possible involvement of opioid system

محل انتشار:

مجله علوم پایه پزشکی ایران, دوره 18, شماره 8 (سال: 1394)

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نویسندگان:

Hamid Reza Banafshe - Physiology Research Center, Kashan University of Medical Sciences, Kashan, Iran

Valiollah Hajhashemi - Department of Pharmacology and Toxicology and Isfahan Pharmaceutical Research Center, School of Pharmacy and
Pharmaceutical Sciences, Isfahan University of Medical Sciences, Isfahan, Iran

Mohsen Minaiyan - Department of Pharmacology and Toxicology and Isfahan Pharmaceutical Research Center, School of Pharmacy and Pharmaceutical Sciences, Isfahan University of Medical Sciences, Isfahan, Iran

Azam Mesdaghinia - Physiology Research Center, Kashan University of Medical Sciences, Kashan, Iran

Alireza Abed - Department of Pharmacology, School of Medicine, Kashan University of Medical Sciences, Kashan, Iran

خلاصه مقاله:

Objective(s): Neuropathic pain remains a clinical problem and is poorly relieved by conventional analgesics. This study was designed to determine whether maprotiline administration was effective in alleviating symptoms of neuropathic pain and whether the antinociceptive effect of maprotiline mediated through the opioid system. Materials and Methods: Neuropathic pain was induced by chronic constriction injury (CCI) of the sciatic nerve in rats, which resulted in thermal hyperalgesia, and mechanical and cold allodynia. Maprotiline (\(\frac{1}{2}\cdot, \frac{1}{2}\cdot\) and \(\frac{1}{2}\cdot\) mg/kg, IP) was administered on the Vth and \(\frac{1}{2}\therm\) th days after surgery. To study the role of the opioid system in the antinociceptive effects of maprotiline, maprotiline (\(\frac{1}{2}\cdot\) mg/kg, IP) was administered in combination with naloxone (\(\frac{1}{2}\mathref{1}\

كلمات كليدى:

Maprotiline, Naloxone, Neuropathic pain, Opioids, Rat

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