

The analgesic effect of clonixine is not mediated by 5-HT₃ subtype receptors

Paeile,

Bustamante,

Sierralta,

Bustamante,

Miranda,

1. 1. The analgesic effect of clonixinate of L-lysine (Clx) in the nociceptive C-fiber reflex in rat and in the writhing test in mice is reported. 2. 2. Clx was administered by three routes, i.v., i.t. and i.c.v., inducing a dose-dependent antinociception. 3. 3. The antinociceptive effect of Clx was 40-45% with respect to the control integration values in the nociceptive C-fiber reflex method. 4. 4. The writhing test yielded ED₅₀ values (mg/kg) of 12.0 ± 1.3 (i.p.), 1.8 ± 0.2 (i.t.) and 0.9 ± 0.1 (i.c.v.) for Clx administration. 5. 5. Ondansetron was not able to antagonize the antinociception response of Clx in the algesiometric tests used. 6. 6. Chlorphenilbiguanide did not produce any significant change in the analgesic effect of Clx in the nociceptive C-fiber reflex method. 7. 7. It is suggested that the mechanism of action of the central analgesia of Clx is not mediated by 5-HT₃ subtype receptors. © 1995.