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ANTI-HYPERALGESIC EFFECTS OF TWO SPHINGOSINE DERIVATIVES IN DIFFERENT ACUTE AND CHRONIC MODELS OF HYPERALGESIA IN MICE.

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Abstract

Background The study evaluated the effects of two sphingosine derivatives *N*-(2-*tert*-butoxycarbamylhexadecyl)glutaramide (AA) and *N*-(1-benzyloxyhexadec-2-yl)glutaramide (OA) in different models of hypersensitivity in mice.

Methods Male *Swiss* mice were orally pre-treated with AA or OA (0.3 - 3 mg/kg). After 1 h, they received λ -carrageenan (300 μ g/paw), lipopolysaccharide (LPS; 100 ng/paw), bradykinin (BK; 500 ng/paw) or prostaglandin E₂ (PGE₂; 0.1 nmol/paw) or epinephrine (100 ng/paw), and the mechanical withdrawal thresholds were evaluated using von Frey filament (0.6 g) at different time points. The effect of the compounds against

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