
Mouse Ear Inflammation Models And Their Pharmacological Applications

otitis media impacts hundreds of mouse middle and inner ... - otitis media impacts hundreds of mouse middle and inner ear genes carol j. macarthur^{1,2*}, fran hausman², j. beth kempton², dongseok choi³, dennis r. trune^{1,2} ¹department of otolaryngology head and neck surgery, oregon health & science university, portland, oregon, united states of america, ²oregon hearing research **journal of inflammation biomed central - home - springer** - inflammation to a greater extent than indomethacin (0.5 mg). mpo activity was inhibited at pce doses ≥ 1.25 mg/ear. trans-resveratrol inhibited inflammation at comparable doses. conclusion: pce inhibits development of edema and neutrophil infiltration in the tpa-treated mouse ear model of topical inflammation. background **mouse identification - cornell university** - inflammation (redness, swelling, bleeding). 5.5.9. ... usually at least 10 days of age. 5.6.1. restrain the mouse by the scruff and use the ear punch to create holes and/or notches in the ears, following an identification chart. 5.6.2. whenever possible, use a simple code to limit the number of notches/punches. **repeated exposure to cruciferous allyl nitrile protects ...** - chemically induced skin inflammation in the mouse 1038 . evaluated anti-inflammatory effect of allyl nitrile expo- sure by measuring oedematous response and leukocyte infiltration following inflammation induction using the croton oil-induced mouse ear dermatitis, a model of skin acute inflammation [20]. 2. materials and methods . 2.1. materials **topical ror inverse agonists suppress inflammation in ...** - induced ear thickening. both ears of the same mouse were topically painted with ethanol or mc903, followed by treatment with 25 ml of 50 mmol/l sr1001 (0.6 mg) on the right ear or 100% ethanol on the left ear. (a) representative images of mouse ears collected at day 11. (b) mouse ear thickness. values are normalized to the original thickness ... **potential anti-inflammatory treatments against cutaneous ...** - the mouse ear vesicant model was originally developed as a model for inflammation only, 16,7 and applied later for the study of hd-induced inflam-mation and for screening of potential treatments against skin injury by casillasetal.15,27 the aims of the present study were 1) to stand-ardize the mouse ear vesicant model for hd lesions **mouse middle ear ion homeostasis channels and ...** - mouse middle ear ion homeostasis channels and intercellular junctions lisa m. morris, jacqueline m. degagne, j. beth kempton, frances hausman, dennis r. trune* oregon hearing research center, department of otolaryngology - head and neck surgery, oregon health and science university, portland, oregon, united states of america abstract **inhibition by interferon of delayed-type hypersensitivity ...** - t three milligrams per mouse, intraperitoneally, 8 hr before picryl chloride challenge. the extent of the lesions observed in histological sections correlated well with the degree of ear or footpad swelling as measured macroscopically. viruses used to induce interferon. both ndvand sendai virus stock suspensions were grown in the allantoic cavity ... **effects of -glucan from aureobasidium pullulans on acute ...** - the xylene-induced acute inflammation of the mouse ear has generally been used as one of the classic table i. body weight changes in intact and xylene-treated mice **the journal of biological chemistry © 2005 by the american ...** - tpa-induced acute inflammation in mouse ear—acute inflamma-tion was evoked by the local application of tpa (0.8 g) dissolved in 20 l of acetone on the inner and outer surface of the right ear of icr mice. control mice received the vehicle (acetone) on their right ear. ear thickness was measured using a micrometer. **topical n-acetyl-s-farnesyl-l-cysteine inhibits mouse skin ...** - the mouse ear model was used to assess whether topically delivered afc could inhibit inflammation in vivo. acute contact inflammation has been well characterized in this model (reviewed by tramposch, 1999). upon topical application of an irritating concentration of tpa, the resulting ear edema reaches a maximum at 5.5–6hours (young et al.,

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