

## Anti Inflammatory And Antipruritic Effects Of Luteolin

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### *Anti Inflammatory And Antipruritic Effects*

We investigated the anti-inflammatory and antipruritic properties of luteolin. Luteolin inhibited the secretion of inflammatory cytokines such as interleukin-1? (IL-1 ?) and tumor necrosis factor-? (TNF-?) from human mast cells (HMC-1) stimulated with phorbol myristate acetate plus calcium ionophore A23187 in a dose-dependent manner.

### *Anti-inflammatory and antipruritic effects of luteolin ...*

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### *(PDF) Anti-Inflammatory and Antipruritic Effects of ...*

Mechanism of Action: Topical corticosteroids have anti-inflammatory, antipruritic, and vasoconstrictive properties. The exact mechanism of the anti-inflammatory process is unclear. Therapeutic Effect: Reduces or prevents tissue response to inflammatory process. Pharmacokinetics: Well absorbed systemically. Large variation in absorption among sites: forearm 1%; scalp 4%, forehead 7%, scrotum 36%.

### *Antipruritic - an overview | ScienceDirect Topics*

Non-steroidal anti-inflammatory drugs (NSAIDs) are medicines that are widely used to relieve pain, reduce inflammation, and bring down a high temperature. They're often used to relieve symptoms of headaches , painful periods , sprains and strains , colds and flu , arthritis , and other causes of long-term pain.

### *NSAIDs - NHS*

Luteolin also suppressed histamine release by compound 48/80-stimulated RPMCs. Furthermore, luteolin reduced the scratching behavior and vascular permeability induced by compound 48/80 or serotonin, thus exhibiting significant anti-inflammatory and antipruritic effects on inflammation and the itching response.

### *Anti-Inflammatory and Antipruritic Effects of Luteolin ...*

Values are means ± SD of duplicate determinations from three independent experiments. # p < 0.001 versus the non-treated control group; \* p < 0.05, \*\* p < 0.05, \*\*\* p < 0.01 versus PMA plus A23187 alone group. - "Anti-Inflammatory and Antipruritic Effects of Luteolin from Perilla (P. frutescens L.) Leaves"

### *Figure 3 from Anti-Inflammatory and Antipruritic Effects ...*

plant have been reported to exert anti-inflammatory and anti-allergic activities by suppressing the proliferation and activity of lymphocytes [16,17]. In the present study we focused on luteolin, a flavonoid extracted from perilla leaves and investigated its anti-inflammatory and antipruritic effects on human mast cells (HMC-1), rat peritoneal

### *Anti-Inflammatory and Antipruritic Effects of Luteolin ...*

Different extracts of A. indica were studied for their anti-inflammatory, antipruritic and mast cell stabilizing activity. The ethanol extract of A. indica at 150 mg/kg dose showed significant reduction of rat paw edema (70%) (Table 1). Antipruritic activity was studied on compound 48/80 induced scratched behavior model.

### *Anti-inflammatory, Antipruritic and Mast Cell Stabilizing ...*

hypochlorous acid that some modulating effects beyond antiseptic properties might be responsible for the clinical efficacy seen in patients with AD. This study was performed to determine an anti-inflammatory and anti-itch mechanism of a 0.05% hypochlorous acid hydrogel in a chronic allergen-induced mouse model, which resembles several

### *Hypochlorous acid is antipruritic and anti-inflammatory in ...*

Mirtazapine, a different type of antidepressant, also has antipruritic effects due to its strong antagonism of the H 1 receptor. Calamine lotion , containing zinc oxide and iron(III) oxide , is a traditional remedy for mild itching, such as that typically associated with chicken pox – although the U.S. Food and Drug Administration has asserted that it has little if any scientific evidence.

### *Antipruritic - Wikipedia*

This study investigated antipruritic and anti-inflammatory effect of Centella asiatica extract in rats and anti-allergic in vitro using sheep (Capra hircus) serum method and compound 48/80 induced ...

### *Antipruritic and Antiinflammatory Effects of Aqueous ...*

We have demonstrated that OMC exhibits advanced analgesic, antipruritic and anti-inflammatory effects when compared with OG and OMP in ACD mice by regulating inflammation, chemokines, immune mediators and inhibiting the mRNA expression of TRPA1 and TRPV1. OMC has no irritation to the intact and damaged skin of rabbits.

### *Analgesic and antipruritic effects of oxymatrine sustained ...*

Background: Allergic contact dermatitis (ACD) is a highly prevalent inflammatory and immune skin disease accompanied with persistent pruritus and pain. Oxymatrine (OMT) exhibits antipruritic and anti-inflammatory effects in squaric acid dibutyl ester (SADBE) induced ACD mice model, but the need for frequent administration stipulated by short half-life and low bioavailability limits clinical application.

### *Analgesic and antipruritic effects of oxymatrine sustained ...*

In this study we used HPLC and LC/MS analysis, combined with a BATMAN-TCM platform, for detailed HPLC fingerprint analysis and network pharmacology of QP, and investigated the anti-inflammatory and antipruritic activities of QP on ACD induced by squaric acid dibutylester (SADBE) in mice.

### *Qingpeng Ointment Ameliorates Inflammatory Responses and ...*

Antipruritic effects have been shown via the anti-inflammatory effect of liquorice. We know that the primary effect of strontium is to prevent calcium ingestion in a cell and again we also know that strontium has an itching preventing effect connected to histamine.

### *Anti-inflammatory compound blend of strontium salt and ...*

Anti-Inflammatory and Antipruritic Effects of Luteolin from Perilla (P. frutescens L.) Leaves By In Jeon, Hyeon Kim, Hyun Kang, Hyun-Seo Lee, Seung Jeong, Sang Kim and Seon Jang Cite

### *Anti-inflammatory and Antipruritic Effects of Luteolin ...*

The topical corticosteroids constitute a class of primarily synthetic steroids used as anti-inflammatory and antipruritic agents. Hydrocortisone is a member of this class. Chemically Hydrocortisone is pregn-4-ene-3, 20-dione, 11, 17, 21-trihydroxy-, (11?)-. Its molecular formula is C 21 H 30 O 5 and molecular weight is 362.47.

### *Hydrocortisone - FDA prescribing information, side effects ...*

Like other corticosteroids, Oralone has anti-inflammatory and antipruritic (anti-itch) properties. Common side effects of Oralone include burning, itching, irritation, dryness, and peeling where it is applied. Other side effects of Oralone include rash around the mouth, allergic contact dermatitis, lesions in the mouth, secondary infection, and atrophy of the oral mucosa.

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