

Title (en)

IRRIGATION SOLUTION CONTAINING MAPK INHIBITORS AND THEIR USE FOR TREATING PAIN AND INFLAMMATION

Title (de)

SPÜLLÖSUNG ENTHALTEND MAPK HEMMERN UND DEREN VERWENDUNG ZUR BEHANDLUNG VON SCHMERZ UND ENTZÜNDUNG

Title (fr)

SOLUTION D'IRRIGATION CONTENANT DES INHIBITEURS DE MAPK ET SON UTILISATION POUR TRAITER LA DOULEUR ET L'INFLAMMATION

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Application

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Abstract (en)

[origin: WO0023072A1] A method and solution for perioperatively inhibiting a variety of pain and inflammation processes at wounds from general surgical procedures including oral/dental procedures. The solution preferably includes at least one mitogen-activated protein kinase (MAPK) inhibitor and, optionally, additional multiple pain and inflammation inhibitory agents at dilute concentration in a physiologic carrier, such as saline or lactated Ringer's solution. The solution is applied by continuous irrigation of a wound during a surgical procedure for preemptive inhibition of pain and while avoiding undesirable side effects associated with oral, intramuscular, subcutaneous or intravenous application of larger doses of the agents. One preferred solution to inhibit pain and inflammation includes a MAPK inhibitor, a serotonin2 antagonist, a serotonin3 antagonist, a histamine antagonist, a serotonin agonist, a cyclooxygenase inhibitor, a neurokinin1 antagonist, a neurokinin2 antagonist, a purinoceptor antagonist, an ATP-sensitive potassium channel opener, a calcium channel antagonist, a bradykinin1 antagonist, a bradykinin2 antagonist and a mu -opioid agonist.

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