

Title (en)  
TREATMENT OF CYCLOOXYGENASE-2 MEDIATED DISORDERS USING CONJUGATED FATTY ACID COMPOUNDS

Title (de)  
BEHANDLUNG VON CYCLOOXYGENASE-2 BEDINGTEN ERKRANKUNGEN UNTER VERWENDUNG VON CONJUGIERTEN FETTSÄUREVERBINDUNGEN

Title (fr)  
TRAITEMENT DE TROUBLES INDUITS PAR UNE CYCLOXYGENASE-2 AU MOYEN DE COMPOSES A BASE D'ACIDES GRAS CONJUGUES

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Application  
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Abstract (en)  
[origin: WO0103688A2] This invention is directed to a process for the prevention or treatment of inflammation or other cyclooxygenase-2 mediated disorders. This process comprises administering a conjugated fatty acid to an organism in an amount effective to prevent or treat the cyclooxygenase-2 mediated disorder by inhibiting cyclooxygenase -2. In one embodiment, the process comprises administering a fatty acid compound having formula (I) or a pharmaceutically acceptable salt thereof, wherein R<1> is hydrogen, hydrocarbyl, or substituted hydrocarbyl; m is from 6 to 11; and the sum of n and m is from 13 to 16. In another embodiment, the process comprises administering a fatty acid compound having formula (VI) or a pharmaceutically acceptable salt thereof, wherein R<6> is hydrogen, hydrocarbyl, or substituted hydrocarbyl; R<7> is -OH, -SO<sub>3</sub>H, -SH, -NH<sub>2</sub>, -PO<sub>3</sub>H<sub>2</sub>, or halogen; v is from 7 to 11; and the sum of v and w is from 11 to 15. This invention is also directed to a process for preparing a fatty acid compound. The process comprises combining a ylide with an aldehyde.

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