

New routes to leukotriene B4 and analogues.

University of East Anglia - Leukotrienes



Description: -

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Leukotrienes

As a solvent, diethyl ether, tetrahydrofuran, dimethoxyethane, toluene, etc. It is dried on sodium sulfate and concentrated by evaporation in a vacuum.

Leukotriene B4 : definition of Leukotriene B4 and synonyms of Leukotriene B4 (English)

The compounds of formula I, which represent receptor antagonists, act in an antiinflammatory and antiallergic manner. Then, it is cooled, poured onto 50 ml of ice water, extracted three times with 200 ml of ethyl acetate each, the organic phase is washed neutral with water, dried with sodium sulfate and concentrated by evaporation in a vacuum.

Leukotriene B4 derivatives, process for their production and their use as pharmaceutical agents

The oxidation of the 1-hydroxy group is performed according to methods that are known to one skilled in the art. IR CHCl₃ : 2920, 2845, 1584, 1567, 1448, 1253, 1090, 1007 cm⁻¹.

Unorthodox routes to prostanoid formation: new twists in cyclooxygenase

The structure of mammalian 15-lipoxygenase reveals similarity to the lipases and the determinants of substrate specificity. A leukotriene-B 4 analog of formula I STR20 in which R 1 means radical COOR 2 with R 2 meaning a hydrogen atom or a C 1 -C 4 -alkyl group or R 1 means radical CH 2 OH, B means an alkylene group with 1-3 C atoms in the chain, a radical STR21 or a radical STR22 with R 3 meaning a hydrogen atom, a carboxy or methoxycarbonyl group, A is STR23 --NH--CO--, --CO--NH--, --OCH 2 --, or --COCH 2 --; X means N or CH, D means groups STR24 and. Tetrahedron Letters 2008, 49 15 , 2366-2370.

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