

Title (en)
BIOLOGICALLY ACTIVE 1,3-BIS-AROMATIC-PROP-2-EN-1-ONES, 1,3-BIS-AROMATIC-PROPAN-1-ONES, AND 1,3-BIS-AROMATIC-PROP-2-YN-1-ONES

Title (de)
BIOLOGISCH-WIRKSAME 1,3-BIS-AROMATISCHE-PROP-2-EN-1-ON, 1,3-BIS-AROMATISCHE-PROPAN-1-ON, AND 1,3-BIS-AROMATISCHE-PROP-2-YN-1-ON

Title (fr)
1,3-BIS-AROMATIQUE-PROP-2-EN-1-ONES, 1,3-BIS-AROMATIQUE-PROPANE-1-ONES ET 1,3-BIS-AROMATIQUE-PROP-2-YN-1-ONES A ACTION BIOLOGIQUE

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Abstract (en)
[origin: WO9900114A2] The invention relates to the use of 1,3-bis-aromatic-prop-2-en-1-ones (chalcones), 1,3-bis-aromatic-propan-1-ones (dihydrochalcones), and 1,3-bis-aromatic-prop-2-yn-1-ones for the preparation of pharmaceutical compositions for the treatment or prophylaxis of a number of serious diseases including i) conditions relating to harmful effects of inflammatory cytokines, ii) conditions involving infection by Helicobacter species, iii) conditions involving infections by viruses, iv) neoplastic disorders, and v) conditions caused by microorganisms or parasites. The invention also relates to novel chalcones and dihydrochalcones (especially alkoxy substituted variants) having advantageous substitution patterns with respect to their effect as drug substances, and methods of preparing them, as well as to pharmaceutical compositions comprising the novel chalcones. Moreover, the present invention relates to a method for the isolation of Leishmania fumarate reductase, QSAR methodologies for selecting potent compounds for the above-mentioned purposes.

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