

Title (en)
USE OF STEROIDS WITH A PHENOLIC A-RING STRUCTURE FOR PROPHYLAXIS AND THERAPY OF RADICAL-MEDIATED CELL DAMAGE

Title (de)
VERWENDUNG VON STEROIDEN MIT PHENOLISCHER A-RING-STRUKTUR ZUR PROPHYLAXE UND THERAPIE RADIKALVERMITTELTETER ZELLSCHÄDIGUNGEN

Title (fr)
UTILISATION DE STEROIDES DE STRUCTURE PHENOLIQUE A CYCLE A DANS LA PROPHYLAXIE ET LE TRAITEMENT DES LESIONS CELLULAIRES INDUITES PAR DES RADICAUX

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Abstract (en)
[origin: WO9513076A1] The present invention pertains to new pharmaceutical preparations for prophylaxis and therapy of radical-mediated cell damage, consisting of steroids with phenolic A-ring structure-except the esterogens estradiol, estrone, estrone and their 2-hydroxy derivatives as well as the steroids with cyclic substituents or with an amino group at the terminal C atom of the aliphatic C-17 side chain-and of pharmaceutical adjuvants. These preparations are characterized by a high-level inhibiting action against cell and tissue changes, such as lipid peroxidation and the oxidation of low density lipoprotein (LPL) cholesterol, caused by reactive oxygen species (ROS), free oxygen radicals and other forms of radical; these preparations thus prevent irreversible membrane and endothelial damage resulting therefrom. They therefore contribute to improving the prophylaxis and therapy of radical-induced damage such as that caused by oxygen radicals and/or ROS.

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