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(54) **Title:** ANTIGESTAGENICALLY ACTIVE STEROIDS WITH A FLUORINATED 17α -ALKYL CHAIN

(57) **Abstract**

This invention describes the new 17α -fluoroalkyl steroids of general formula (I), in which R^1 stands for a methyl or ethyl group, R^2 stands for a radical of formula $C_nF_mH_o$, whereby n is 2, 3, 4, 5 or 6, $m > 1$ and $m+o = 2n+1$, R^3 stands for a free etherified or esterified hydroxy group, R^4 and R^5 each stand for a hydrogen atom, together for an additional bond or a methylene group, St stands for a steroidal ABC-ring system of partial formula A, B or C, in which R^6 means a hydrogen atom, a straight-chain C_1 - C_4 alkyl group or branched C_3 - C_4 alkyl group or a halogen atom, R^7 means a hydrogen atom, a straight-chain C_1 - C_4 alkyl group or a branched C_3 - C_4 alkyl group, or if St stands for a steroidal

ABC-ring system (A) or (B), in addition R^6 and R^7 together mean an additional bond, X means an oxygen atom, a hydroxyimino grouping = N-OH or two hydrogen atoms, R^8 means a radical Y or an aryl radical that is optionally substituted in several places with a group Y, whereby Y is a hydrogen atom, a halogen atom, an -OH, -NO₂, -N₃, -CN, -NR^{9a}R^{9b}, -NHSO₂R⁹, -CO₂R⁹, C₁-C₁₀ alkyl, C₁-C₁₀ alkoxy, C₁-C₁₀ alkanoyloxy, benzoyloxy, C₁-C₁₀ alkanoyl, C₁-C₁₀ hydroxyalkyl or benzoyl group, and R^{9a} and R^{9b} are the same or different and in the same way as R^9 represent a hydrogen atom or a C₁-C₁₀ alkyl group, and for -NR^{9a}R^{9b} radicals, as well as their physiologically compatible salts with acids and for -CO₂R⁹ radicals with R^9 meaning hydrogen, also their physiologically compatible salts with bases. The new compounds have an extraordinarily strong antigestagenic action and are suitable for the production of pharmaceutical preparations.

