Title (en)

ISOFLAVONE DERIVATIVES

Title (de)

ISOFLAVON-DERIVATE

Title (fr)

DERIVES DE L'ISOFLAVONE

Publication

EP 0710234 A1 19960508 (EN)

Application

EP 94921776 A 19940719

Priority

- HU 9302083 A 19930720
- HU 9400028 W 19940719

Abstract (en)

[origin: WO9503293A1] The present invention relates to isoflavone, isoflavan-4-one and isoflavane derivatives of general formula (I), their salts, pharmaceutical compositions containing the compounds of general formula (I), and to a process for preparing the same. In general formula (I), if n is 0, R<5> and R<6> together stand for an oxo group and the dotted line means a double bond, R<1> represents C1-18alkyl substituted by alkylcarbonyl, carboxy, sulfonic acid, hydroxy, phenoxy, piperidino, morpholino or piridino or by a (C1-4alkyl)2N-(CH2)mCO(CH2)p- or by (C1-4alkyl)2N-(CH2)mOCO(CH2)p- group; or stands for C3-6cycloalkyl or cycloalkenyl; or if n is 1, R<5> and R<6> together stand for an oxo group and the dotted line means a double bond, R<1> represents C1-18alkyl optionally substituted by alkyl-carbonyl, alkoxycarbonyl, carboxy, sulfonic acid, hydroxy, phenoxy, piperidino, morpholino or piridino or by a (C1-4alkyl)2N-(CH2)mCO(CH2)p- group; or stands for C3-6-cycloalkyl or cycloalkenyl or C2-6alkenyl; or if n is 0 or 1, R<5> and R<6> together stand for an oxo group or stand separately for hydrogen and the dotted line does not mean a chemical bond, R<1> represents C1-18alkyl optionally substituted by alkyl-carbonyl, alkoxycarbonyl, carboxy, sulfonic acid, hydroxy, alkoxy, phenyl optionally substituted by a halo atom, phenoxy, piperidino, morpholino or piridino or by a (C1-4alkyl)2N-(CH2)mCO(CH2)p-group; or stands for C3-6-cycloalkyl or C2-6alkenyl; or R stands for C1-8alkyl, halogen, C1-4alkoxymethyl, C2-5-acyloxymethyl, or hydroxymethyl; R<4> stands for hydrogen or C1-4alkyl; R<2> and R<3> stand for hydrogen or C1-6alkoxy; R<5> and R<6> together stand for an oxo group or separately stand for hydrogen; the dotted line means a double bond being optionally present; n is 0 or 1; m is an integer from 1 to 4; and p is an integer from 1 to 4. The compounds of general formula (I) can be used for the prevention and treatment of osteoporosis. They are prepared by methods well known in the organic chemistry.

IPC 1-7

C07D 311/36; A61K 31/35

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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