SECTION C — CHEMISTRY; METALLURGY

C07 ORGANIC CHEMISTRY

C07J STEROIDS (seco-steroids C07C) [2]

Note(s) [4, 7, 2006.01]

1. This subclass covers compounds containing a cyclopenta[a]hydrophenanthrene skeleton or a ring structure derived therefrom:
   - by contraction or expansion of one ring by one or two atoms,
   - by contraction or expansion of two rings each by one atom,
   - by contraction of one ring by one atom and expansion of one ring by one atom,
   - by substitution of one or two carbon atoms of the cyclopenta[a]hydrophenanthrene skeleton, which are not shared by rings, by hetero atoms, in combination with the above defined contraction or expansion or not, or
   - by condensation with carbocyclic or heterocyclic rings in combination with one or more of the foregoing alterations or not.
2. Attention is drawn to Note (3) after class C07, which defines the last place priority rule applied in the range of subclasses C07C-C07Kand within these subclasses.
3. Therapeutic activity of compounds is further classified in subclass A61P.

Subclass index

NORMAL STEROIDS
containing halogen or oxygen
oxygen other than as ring hetero atom.....1/00, 3/00, 5/00, 7/00, 9/00, 11/00, 13/00, 15/00
oxygen as ring hetero atom.....17/00, 19/00, 21/00
containing sulfur.....31/00, 33/00
containing nitrogen.....41/00, 43/00
other steroids.....51/00
STEROIDS WITH MODIFIED SKELETON
retrosteroids.....15/00
nor-, homosteroids.....61/00, 63/00, 65/00, 67/00, 69/00
condensed with carbocyclic rings.....53/00
heterosteroids.....71/00, 73/00
PREPARATION OF STEROIDS IN GENERAL.....75/00

Normal steroids, i.e. cyclopenta[a]hydrophenanthrenes, containing carbon, hydrogen, halogen, or oxygen [2]

1/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, not substituted in position 17 beta by a carbon atom, e.g. oestrane, androstane [2, 2006.01]

3/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, substituted in position 17 beta by one carbon atom [2, 2006.01]

5/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, substituted in position 17 beta by a chain of two carbon atoms, e.g. pregnane, and substituted in position 21 by only one singly bound oxygen atom [2, 2006.01]

7/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, substituted in position 17 beta by a chain of two carbon atoms (C07J 5/00 takes precedence) **[2, 2006.01]**

9/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, substituted in position 17 beta by a chain of more than two carbon atoms, e.g. cholane, cholestane, coprostane [2, 2006.01]

11/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, not substituted in position 3 [2, 2006.01]

13/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, having a carbon-to-carbon double bond from or to position 17 [2, 2006.01]

15/00 Stereochemically pure steroids containing carbon, hydrogen, halogen, or oxygen, having a partially or totally inverted skeleton, e.g. retrosteroids, L-isomers [2, 2006.01]

17/00 Normal steroids containing carbon, hydrogen, halogen, or oxygen, having an oxygen-containing hetero ring not condensed with the cyclopenta[a]hydrophenanthrene skeleton [2, 2006.01]

19/00 **Normal steroids containing carbon, hydrogen, halogen, or oxygen, substituted in position 17 by a lactone ring [2, 2006.01]**

21/00 **Normal steroids containing carbon, hydrogen, halogen, or oxygen, having an oxygen-containing hetero ring spiro-condensed with the cyclopenta[a]hydrophenanthrene skeleton [2, 2006.01]**

Normal steroids, i.e. cyclopenta[a]hydrophenanthrenes, containing sulfur [2]

31/00 **Normal steroids containing one or more sulfur atoms not belonging to a hetero ring [2, 2006.01]**

33/00 **Normal steroids having a sulfur-containing hetero ring spiro-condensed or not condensed with the cyclopenta[a]hydrophenanthrene skeleton [2, 2006.01]**

Normal steroids, i.e. cyclopenta[a]hydrophenanthrenes, containing nitrogen [2]

41/00 **Normal steroids containing one or more nitrogen atoms not belonging to a hetero ring [2, 2006.01]**

43/00 **Normal steroids having a nitrogen-containing hetero ring spiro-condensed or not condensed with the cyclopenta[a]hydrophenanthrene skeleton [2, 2006.01]**

51/00 **Normal steroids with unmodified cyclopenta[a]hydrophenanthrene skeleton not provided for in groups C07J 1/00-C07J 43/00 [2, 2006.01]**

53/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by condensation with carbocyclic rings or by formation of an additional ring by means of a direct link between two ring carbon atoms [2, 2006.01]**

Nor- or homosteroids [2]

61/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by contraction of only one ring by one or two atoms [2, 2006.01]**

63/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by expansion of only one ring by one or two atoms [2, 2006.01]**

65/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by contraction of two rings, each by one atom [2, 2006.01]**

67/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by expansion of two rings, each by one atom [2, 2006.01]**

69/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by contraction of only one ring by one atom and expansion of only one ring by one atom [2, 2006.01]**

71/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton is condensed with a heterocyclic ring** (spiro-condensed heterocyclic rings C07J 21/00, C07J 33/00, C07J 43/00) **[2, 2006.01]**

73/00 **Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been modified by substitution of one or two carbon atoms by hetero atoms [2, 2006.01]**

75/00 **Processes for the preparation of steroids, in general [4, 2006.01]**