SECTION C — CHEMISTRY; METALLURGY

C07 ORGANIC CHEMISTRY

C07J STEROIDS (seco-steroids C07C) [2]

Note(s) [4, 7, 2006.01]

- 1. This subclass <u>covers</u> 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

NORWAL STEROIDS	
containing halogen or oxygen	
oxygen other than as ring hetero atom	1/00, 3/00, 5/00, 7/00, 9/00, 11/00,
, 8 8	13/00, 15/00
oxygen as ring hetero atom	17/00, 19/00, 21/00
containing sulfur	31/00, 33/00
containing nitrogenother steroids	41/00, 43/00
other steroids	51/00
STEROIDS WITH MODIFIED SKELETON	
retrosteroids	15/00
nor-, homosteroids	
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, Lisomers [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]

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19/00 Normal steroids containing carbon, hydrogen, Nor- or homosteroids [2] halogen, or oxygen, substituted in position 17 by a 61/00 Steroids in which the lactone ring [2, 2006.01] cyclopenta[a]hydrophenanthrene skeleton has been 21/00 modified by contraction of only one ring by one or Normal steroids containing carbon, hydrogen, halogen, or oxygen, having an oxygen-containing two atoms [2, 2006.01] hetero ring spiro-condensed with the cyclopenta[a]hydrophenanthrene 63/00 Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been skeleton [2, 2006.01] modified by expansion of only one ring by one or two atoms [2, 2006.01] Normal steroids, i.e. cyclopenta[a]hydrophenanthrenes, Steroids in which the 65/00 containing sulfur [2] cyclopenta[a]hydrophenanthrene skeleton has been modified by contraction of two rings, each by one 31/00 Normal steroids containing one or more sulfur atoms atom [2, 2006.01] not belonging to a hetero ring [2, 2006.01] 67/00 Steroids in which the 33/00 Normal steroids having a sulfur-containing hetero cyclopenta[a]hydrophenanthrene skeleton has been ring spiro-condensed or not condensed with the cyclopenta[a]hydrophenanthrene modified by expansion of two rings, each by one atom [2, 2006.01] skeleton [2, 2006.01] 69/00 Steroids in which the cyclopenta[a]hydrophenanthrene skeleton has been Normal steroids, i.e. cyclopenta[a]hydrophenanthrenes, modified by contraction of only one ring by one atom containing nitrogen [2] and expansion of only one ring by one atom [2, 2006.01] 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 71/00 Steroids in which the cyclopenta[a]hydrophenanthrene cyclopenta[a]hydrophenanthrene skeleton is skeleton [2, 2006.01] condensed with a heterocyclic ring (spiro-condensed heterocyclic rings C07J 21/00, C07J 33/00, C07J 43/00) [2, 2006.01] 73/00 51/00 Normal steroids with unmodified Steroids in which the cvclopenta[a]hydrophenanthrene skeleton has been cyclopenta[a]hydrophenanthrene skeleton not modified by substitution of one or two carbon atoms provided for in groups C07J 1/00by hetero atoms [2, 2006.01]

75/00

Processes for the preparation of steroids, in

general [4, 2006.01]

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]