

## ECLA EUROPEAN CLASSIFICATION

### C07B GENERAL METHODS OF ORGANIC CHEMISTRY; APPARATUS THEREFOR (preparation of carboxylic acid esters by telomerisation [C07C67/47](#); telomerisation C08F)

#### Notes

[C0408]

1. In this subclass, the functional group which is present already in some residue being introduced and is not substantially involved in a chemical reaction, is not considered as the functional group which is formed or introduced as a result of the chemical reaction.
2. In this subclass, the following term is used with the meaning indicated:  
  
- "separation" means separation only for the purposes of recovering organic compounds.
3. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place according to the type of reaction employed, noting the bond or the functional group which is formed or introduced as a result of the chemical reaction.
4. When classifying in this subclass, classification is also made in group [B01D15/08](#) insofar as subject matter of general interest relating to chromatography is concerned.

#### [N: Notes

1. [C07B59/00](#) and subgroups thereof are used for the classification of individual labelled compounds as well as for general methods
2. [C07B61/02](#) is used for the classification of individual free radicals as well as for general methods

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**C07B31/00** Reduction in general

**C07B33/00** Oxidation in general

**Guide heading:** Reactions without formation or introduction of functional groups containing hetero atoms

**C07B35/00** Reactions without formation or introduction of functional groups containing hetero atoms, involving a change in the type of bonding between two carbon atoms already directly linked

C07B35/02 . Reduction

C07B35/04 . Dehydrogenation

C07B35/06 . Decomposition, e.g. elimination of halogens, water or hydrogen halides

C07B35/08 . Isomerisation

**C07B37/00** **Reactions without formation or introduction of functional groups containing hetero atoms, involving either the formation of a carbon-to-carbon bond between two carbon atoms not directly linked already or the disconnection of two directly linked carbon atoms**

C07B37/02 . Addition

C07B37/04 . Substitution

C07B37/06 . Decomposition, e.g. elimination of carbon dioxide

C07B37/08 . Isomerisation

C07B37/10 . Cyclisation

C07B37/12 . . Diels-Alder reactions

**Guide heading:** **Reactions with formation or introduction of functional groups containing hetero atoms**

**C07B39/00** **Halogenation**

**C07B41/00** **Formation or introduction of functional groups containing oxygen**

C07B41/02 . of hydroxy or O-metal groups

C07B41/04 . of ether, acetal or ketal groups

C07B41/06 . of carbonyl groups

C07B41/08 . of carboxyl groups or salts, halides or anhydrides thereof

C07B41/10 . . Salts, halides or anhydrides of carboxyl groups

C07B41/12 . of carboxylic acid ester groups

C07B41/14 . of peroxy or hydroperoxy groups

**C07B43/00** **Formation or introduction of functional groups containing nitrogen**

C07B43/02 . of nitro or nitroso groups

C07B43/04 . of amino groups

C07B43/06 . of amide groups

- C07B43/08 . of cyano groups
- C07B43/10 . of isocyanate groups
- C07B45/00** **Formation or introduction of functional groups containing sulfur**
- C07B45/02 . of sulfo or sulfonyldioxy groups
- C07B45/04 . of sulfonyl or sulfinyl groups
- C07B45/06 . of mercapto or sulfide groups
- C07B47/00** **Formation or introduction of functional groups not provided for in groups [C07B39/00](#) to [C07B45/00](#)**
- C07B49/00** **Grignard reactions**
- C07B51/00** **Introduction of protecting groups or activating groups, not provided for in the preceding groups**
- C07B53/00** **Asymmetric syntheses**
- C07B55/00** **Racemisation; Complete or partial inversion**
- C07B57/00** **Separation of optically-active compounds**
- C07B59/00** **Introduction of isotopes of elements into organic compounds; [N: Labelled organic compounds per se]**
- C07B59/00C . [N: Acyclic or carbocyclic compounds]
- C07B59/00D . [N: Heterocyclic compounds]
- C07B59/00F . [N: Acyclic, carbocyclic or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium or tellurium]
- C07B59/00H . [N: Sugars; Derivatives thereof; Nucleosides; Nucleotides; Nucleic acids]
- C07B59/00J . [N: Steroids]
- C07B59/00K . [N: Peptides; Proteins]
- C07B61/00** **Other general methods**
- C07B61/02 . Generation of organic free radicals; [N: Organic free radicals per se]

**Guide heading:**      **Purification; Separation; Stabilisation**

**C07B63/00**      **Purification; Separation (separation of optically-active compounds [C07B57/00](#));  
Stabilisation; Use of additives**

**C07B63/02**      .    by treatment giving rise to a chemical modification

**C07B63/04**      .    Use of additives [N: (anti-oxidant compositions or compositions inhibiting chemical  
change in general [C09K15/00](#))]