

547 Organic chemistry

Class here biochemicals when not considered in their biological context

Add to each subdivision identified by * as follows:

- 04 Special topics
- 044 Theoretical chemistry
 - Add to 044 the numbers following 541.2 in 541.22–541.28, e.g., molecular structure 0442
 - Class comprehensive works on physical chemistry in notation 045 from this table
- 045 Physical chemistry
- 0453–0458 Specific topics of physical chemistry
 - Add to 045 the numbers following 541.3 in 541.33–541.38, e.g., solution chemistry 0454
 - For theoretical chemistry, see notation 044 from this table*
- 046 Analytical chemistry

Unless other instructions are given, observe the following table of preference, e.g., aromatic compounds and aromatization 547.6 (*not* 547.27):

Organic chemical reactions (<i>except</i> 547.27)	547.2
Other organic substances	547.8
Macromolecules and related compounds	547.7
Kinds of compounds identified by structure	547.4–547.6
Kinds of compounds identified by component elements	547.01–547.08
Reactions producing specific kinds of organic compounds	547.27
Physical and theoretical chemistry	547.1

Class interdisciplinary works on biochemicals in 572

For biochemistry, see 572

> 547.01–547.08 Kinds of compounds identified by component elements

Unless other instructions are given, class a subject with aspects in two or more subdivisions of 547.01–547.08 in the number coming last, e.g., sulfonamides 547.067 (*not* 547.042)

Class comprehensive works in 547

.1 Physical and theoretical chemistry

Add to base number 547.1 the numbers following 541 in 541.2–541.3, e.g., stereochemistry 547.1223; however, for organic chemical reactions, see 547.2

.2 Organic chemical reactions

Class here chemical reactions of compounds; addition, synthesis

.27 Reactions producing specific kinds of organic compounds

Including amination, aromatization, diazotization, esterification, halogenation, nitration, nitrosation, saponification, sulfonation

For polymerization, see 547.28

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547.4–547.6 Kinds of compounds identified by structure

Class comprehensive works in 547