



SC

CHIM2322 Chimie organique appliquée II

[22.5h+0h exercises] 2.5 credits

This course is taught in the 1st semester

Teacher(s): Istvan Marko
Language: french
Level: 2nd cycle course

Aims

Enlarging the knowledge in organic chemistry synthesis. Developing strategy notions in total synthesis. Study of the main classes of natural products. Retrosynthetic analysis.

Main themes

Study of the major families of natural products (terpenes, steroids, alkaloids, macrolides, prostaglandins, etc.) from the biosynthesis point of view as well as the total synthesis one. Illustration by selected examples of total synthesis. Development and refining of synthesis strategy notions and retrosynthetic analysis. Introduction to new methodologies, reactions and concepts. In-depth use of chiral synthesis. Study of asymmetric induction. Multi-stage synthesis.

Other credits in programs

CHIM22 Deuxième licence en sciences chimiques (2.5 credits)