



Faculté de médecine

MD

FARM1004 Chimie organique appliquée aux médicaments

[+30h exercices] 2 credits

Teacher(s): Paul Depovere, Jacques Poupaert, Etienne Sonveaux (coord.)
Language: french
Level: 1st cycle course

Aims

Application of the logic of general and organic chemistry to commercial drugs and pharmaceutical preparations.

Main themes

The main themes of this course are :

- (i) Molecular formulas, molecular mass, doses, dilutions.
- (ii) Structural formulas of drugs : organic functions, isomerism, stereoisomerism, acid-base properties, water solubility, partition coefficient.
- (iii) Biopharmaceuticals : peptides and carbohydrates.
- (iv) Basic chemical reactivity of drugs and prodrugs.

Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Prerequisites :

Sufficient knowledge of French.

- (i) when starting : having followed the MD1003 course "Chimie générale et minérale".
- (ii) during the 2nd semester : following in parallel the MD1004 course "Chimie organique".

Evaluation : written examination measuring problem solving capabilities.

Other credits in programs

FARM11BA	Première année de bachelier en sciences pharmaceutiques	(2 credits)	Mandatory
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