

Exercices Complémentaires

Chapitre 2 : Nomenclature des composés organiques

2.1 Exercice 2.1

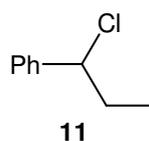
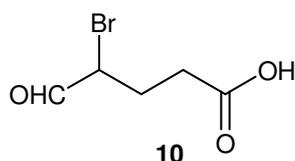
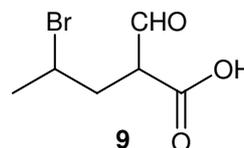
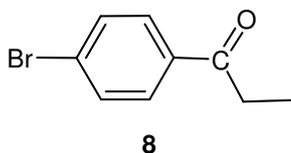
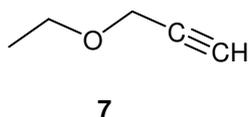
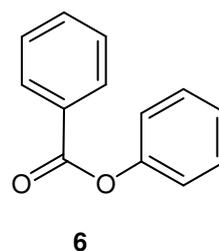
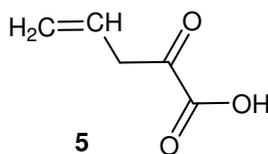
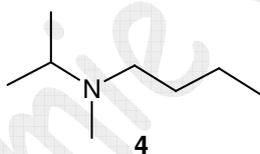
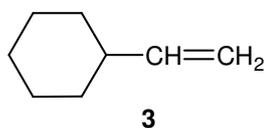
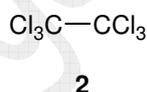
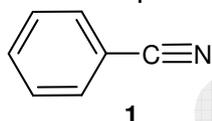
Donner la formule développée des composés suivants :

1. éthyne
2. 1-chloro-2-éthylcyclopentane
3. 2-butylpropane-1,3-diol
4. 1,1,1-trifluoronon-3-èn-2-one
5. acide 2-méthoxypropanoïque
6. 3-(4-bromophényl)butanoate d'éthyle
7. 4-nitropentanenitrile
8. N,N-diméthylbutanamide

CORRECTION Exo 2.1 (page 4)

2.2 Exercice 2.2

Etablir le nom des composés suivants :



CORRECTION Exo 2.2 (page 4)

2.3 Exercice 2.3

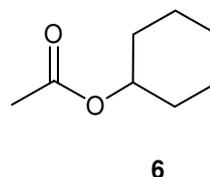
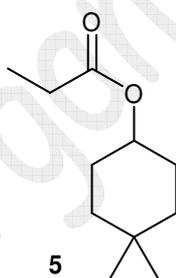
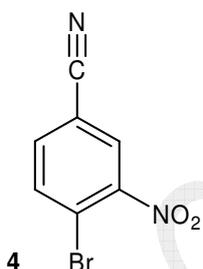
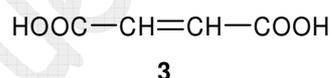
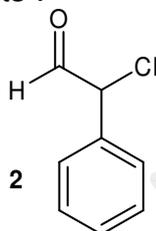
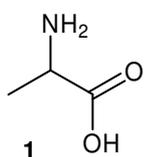
Donner la formule développée des composés suivants :

1. acide 4-aminobenzoïque ou acide *p*-aminobenzoïque
2. 1,2-dinitrobenzène
3. acide 2-phénylpropanoïque
4. acide 2-hydroxybenzoïque
5. 2-bromo-2-méthylbutan-1-ol
6. 2-(bromométhyl)butan-1-ol

CORRECTION Exo 2.3 (page 5)

2.4 Exercice 2.4

Etablir le nom des composés suivants :



CORRECTION Exo 2.4 (page 5)

2.5 Exercice 2.5

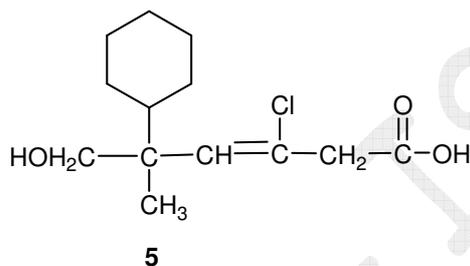
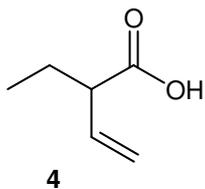
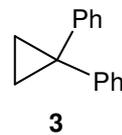
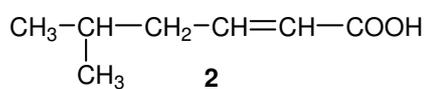
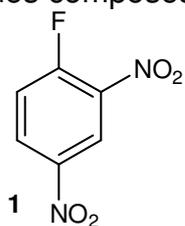
Donner la formule développée des composés suivants :

1. 2,3-diméthylhept-2-ènenitrile
2. 2-fluoro-6-nitrotoluène
3. 4-méthoxy-3-oxobutanal
4. acétate de phényle ou éthanoate de phényle
5. pent-2-yn-1-ol
6. acide 2-méthylpropanedioïque
7. 4,4,4-trifluorobutanoate de phényle

CORRECTION Exo 2.5 (page 5)

2.6 Exercice 2.6

Donner les noms des composés suivants :

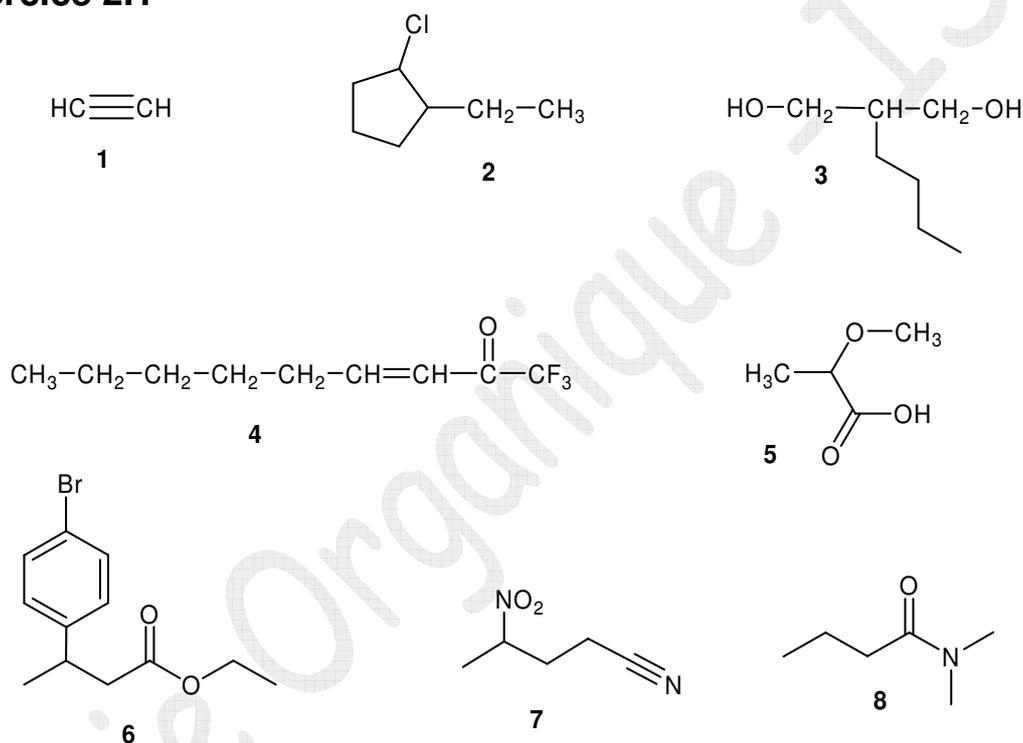


CORRECTION Exo 2.6 (page 5)

Correction des exercices complémentaires

Chapitre 2: Nomenclature des composés organiques

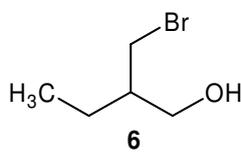
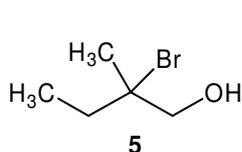
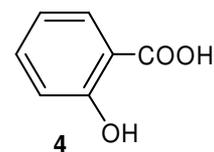
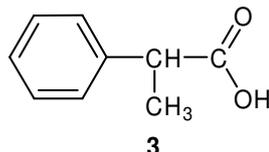
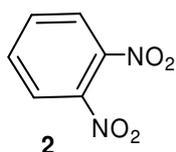
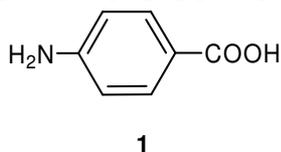
2.1 Exercice 2.1



2.2 Exercice 2.2

- 1- benzonitrile
- 2- hexachloroéthane
- 3- cyclohexyléthène
- 4- N-méthyl N-méthyléthylbutan-1-amine ou N-isopropyl N-méthylbutan-1-amine
- 5- acide 2-oxopent-4-énoïque
- 6- phénylméthanoate de phényle ou benzoate de phényle
- 7- 3-éthoxyprop-1-yne
- 8- 1-(4-bromophényl)propan-1-one
- 9- acide 4-bromo-2-formylpentanoïque
- 10- acide 4-bromo-5-oxopentanoïque
- 11- (1-chloropropyl)benzène

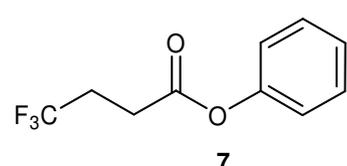
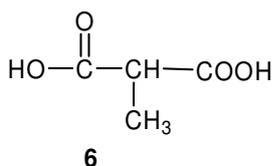
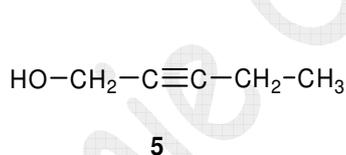
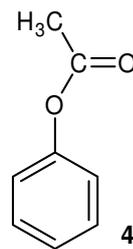
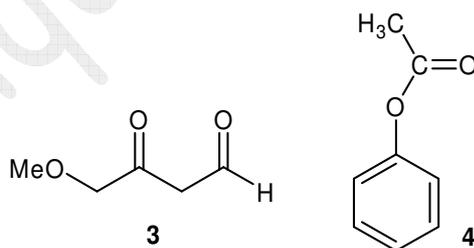
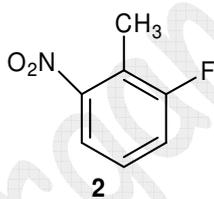
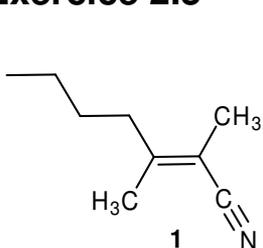
2.3 Exercice 2.3



2.4 Exercice 2.4

- 1- acide 2-aminopropanoïque (ou alanine)
- 2- 2-chloro-2-phényléthanal
- 3- acide but-2-ènedioïque
- 4- 4-bromo-3-nitrobenzonitrile (ou *m*-nitro-*p*-bromobenzonitrile)
- 5- propanoate de 4,4-diméthylcyclohexyle
- 6- acétate de cyclohexyle ou éthanoate de cyclohexyle

2.5 Exercice 2.5



2.6 Exercice 2.6

- 1 1-fluoro-2,4-dinitrobenzène
- 2 acide 5-méthylhex-2-énoïque
- 3 (1-phénylcyclopropyl)benzène
- 4 acide 2-éthylbut-3-énoïque
- 5 acide 3-chloro-5-cyclohexyl-6-hydroxy-5-méthylhex-3-énoïque