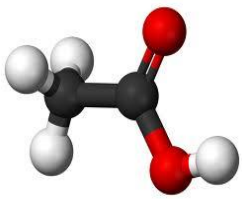
Acide acétique

Formule chimique : CH_3COOH



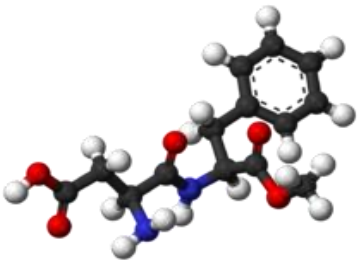
Equation de réaction de la synthèse de l'acide acétique :

$CH_3OH + CO \longrightarrow CH_3COOH$

Aspartame

Nom scientifique : 3*S*)-3-amino-4-[[(1*S*)-1-benzyl-2-(méthoxy-2-oxoéthyl]amino]-4-oxobutanoïque

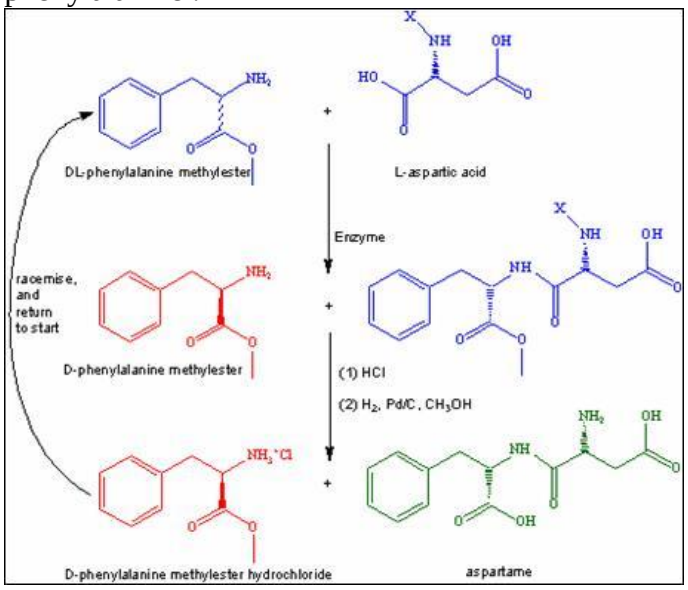
Formule chimique

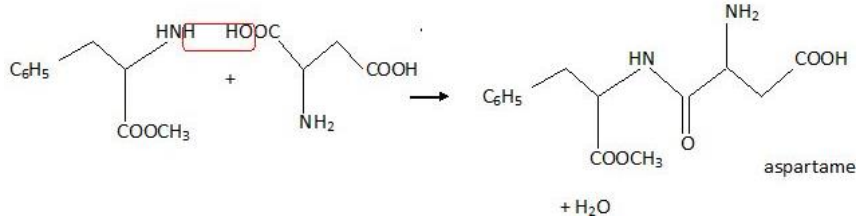


Formule en 3D de l'aspartame

Equation de réaction de la synthèse

L'aspartame s'obtient par l'association méthylique de deux aminoacides : l'acide aspartique et la phénylalanine :

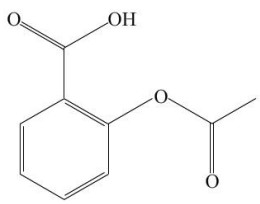


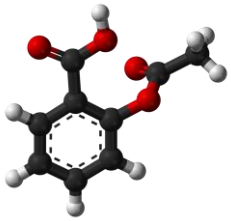


Ref : [*http://www.chimix.com/an13/bac13/fra6.html*](http://www.chimix.com/an13/bac13/fra6.html)

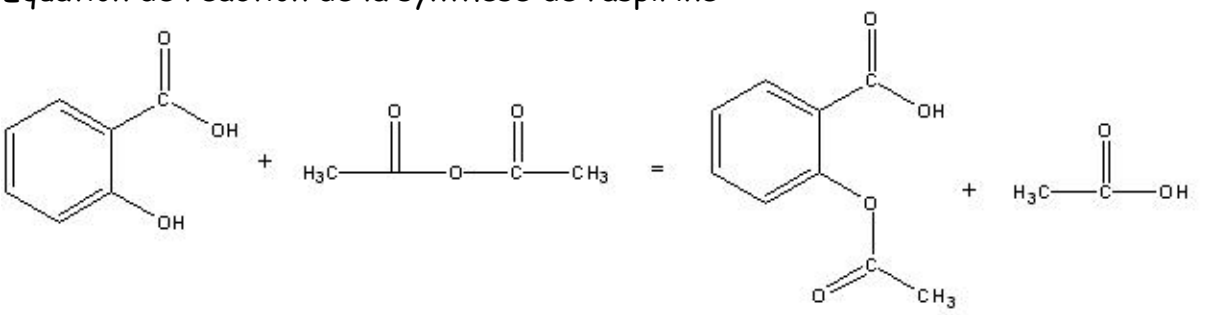
Aspirine ou acide acétylsalicylique

Formule plane Formule en 3D





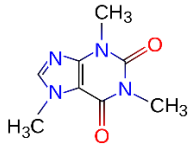
Equation de réaction de la synthèse de l'aspirine

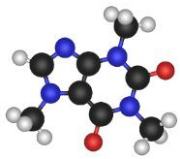


acide salicylique anhydride éthanoïque aspirine acide éthanoïque

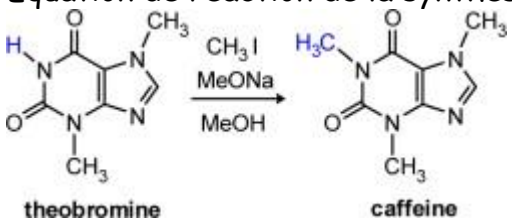
Caféine

Formule plane Formule en 3D





Equation de réaction de la synthèse



theobromine caffeine

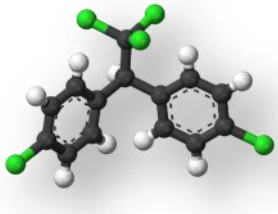
Ref : http://www.sciencedirect.com/science/article/pii/S0187893X15720926

(La caféine est surtout extraite par différentes méthodes.)

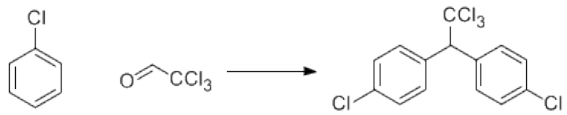
DDT

dichlorodiphényltrichloroéthane

Formule chimique :

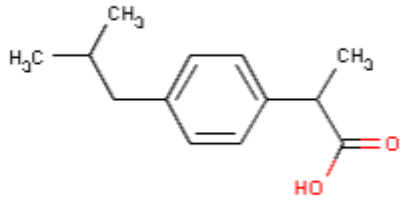


Equation de réaction de la synthèse

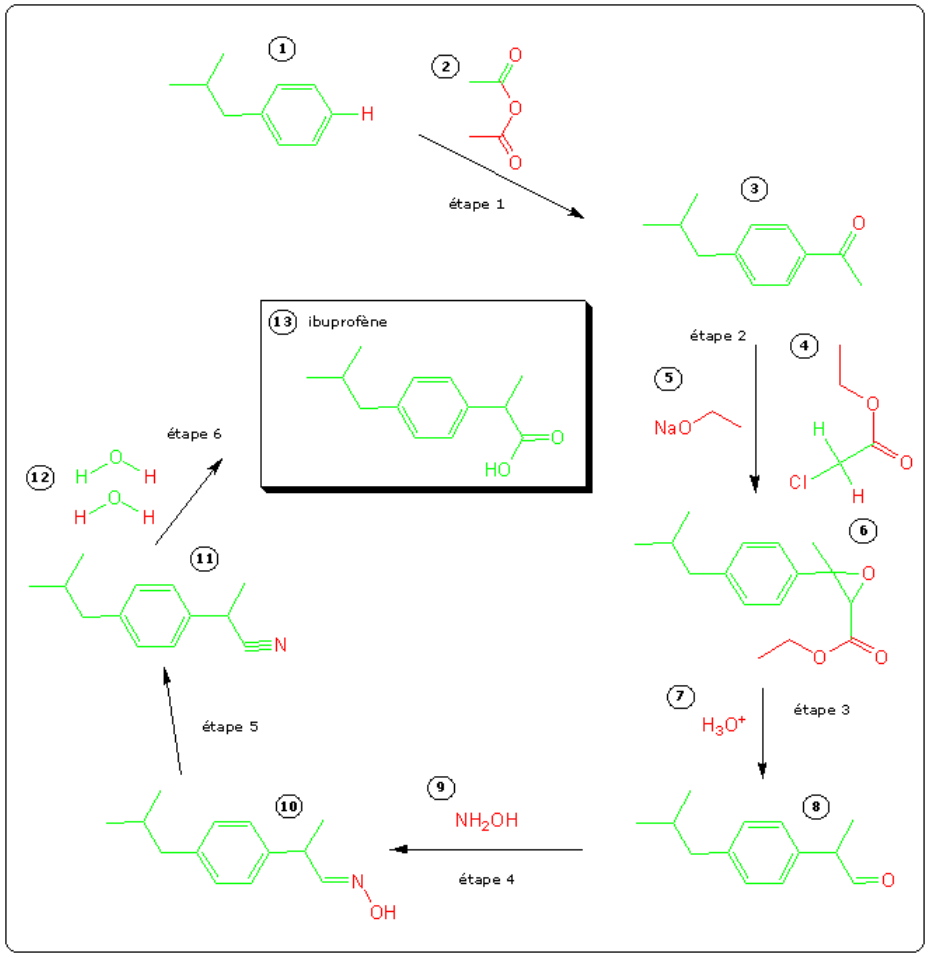


Ibuprofène

Formule chimique :



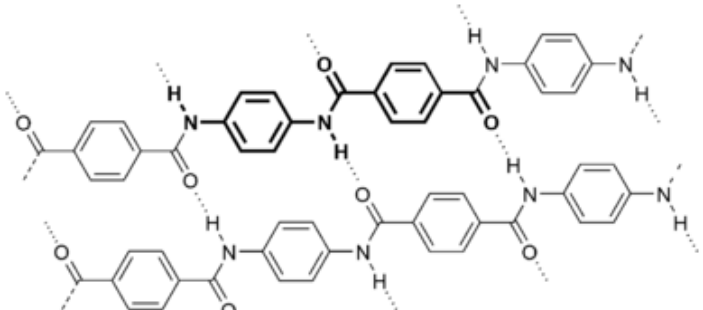
Equation de réaction de la synthèse



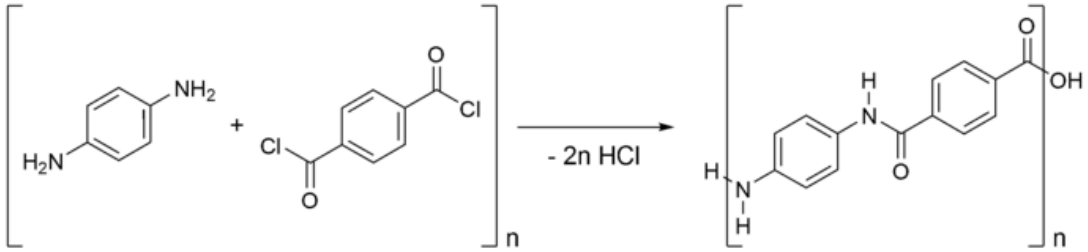
Kevlar

poly-para-phénylène téréphtalamide (PPD-T)

Formule chimique

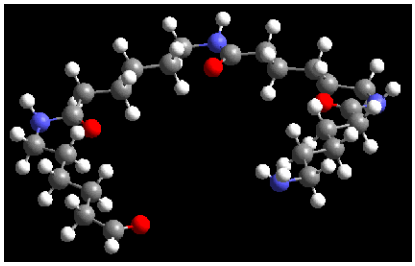


Equation de réaction de la synthèse



Nylon (voir manuel de 3ème)

Formule : Il existe plusieurs types de nylon : le nylon 6-6, nylon 6-10, etc.

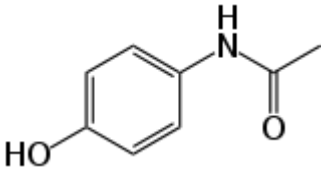


Equation de réaction de la synthèse

$$NH_2\,(CH_2)_6NH_2 + C_6H_8CL_2O_2 \longrightarrow C_{12}H_{22}N_2O_2$$

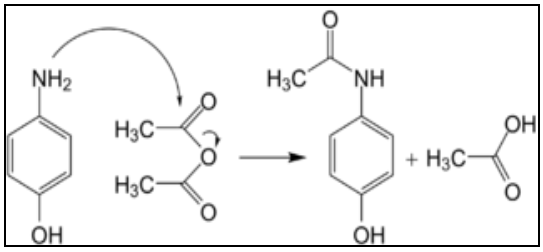
Paracétamol ou N-acétyle-*p*-aminéphénol

Formule :



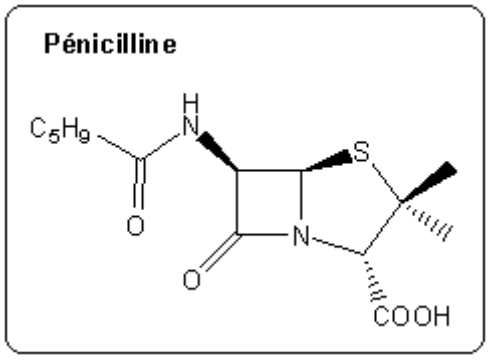
Equation de réaction de la synthèse

$$(CH_3\text{-}CO)_2O + NH_2\text{-}C_6H_4\text{-}OH \longrightarrow CH_3\text{-}CO\text{-}NH\text{-}C_6H_4\text{-}OH + CH_3\text{-}CO_2H$$



Pénicilline

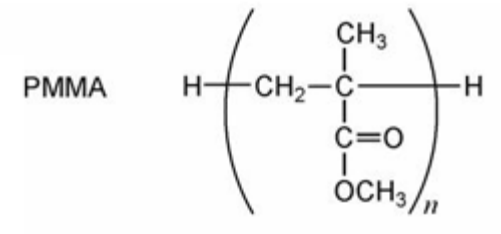
Formule :



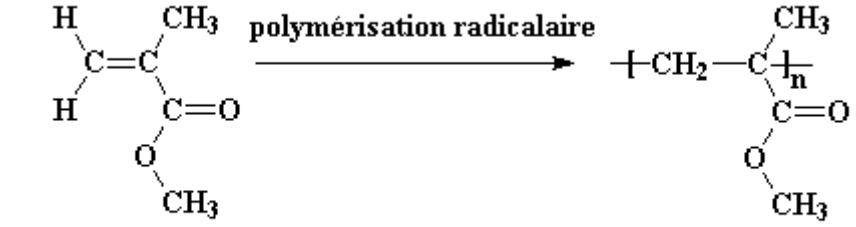
Equation de réaction de la synthèse

PMMA : Polyméthacrylate de méthyle

Formule :



Equation de réaction de la synthèse

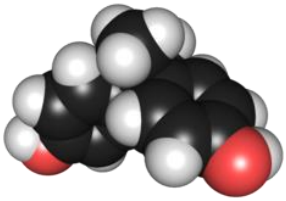


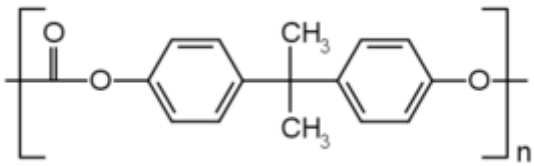
méthacrylate de méthyle **polyméthacrylate de méthyle**

Polycarbonate

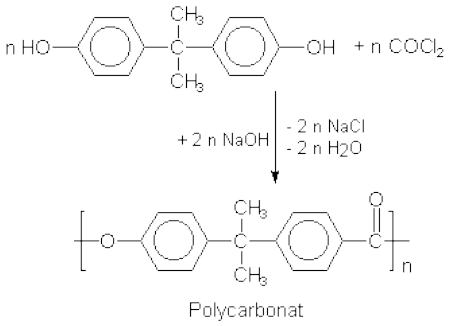
Formule :

3D



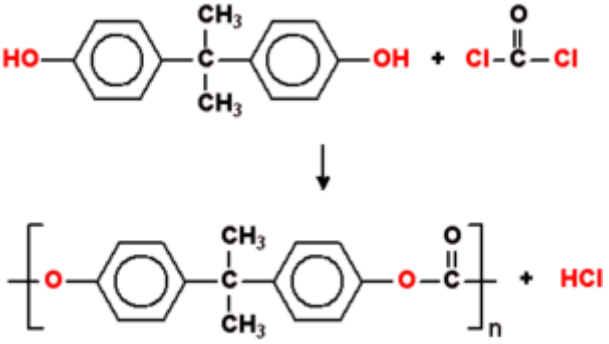


Equation de réaction de la synthèse



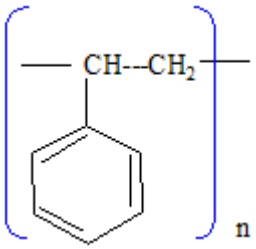
Polycarbonat

OU

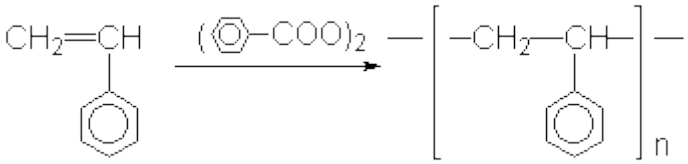


Polystyrène

Formule :



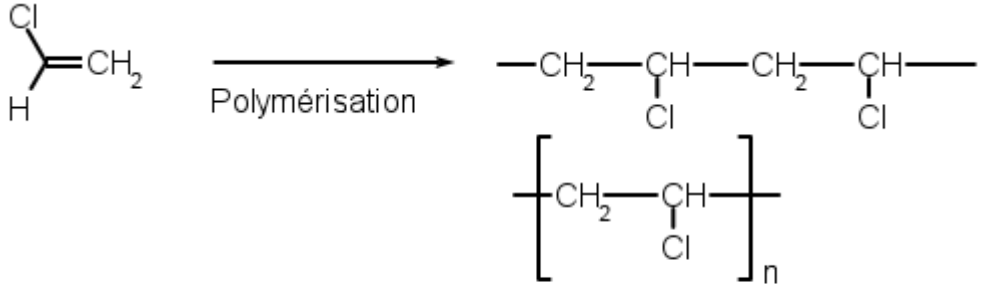
Equation de réaction de la synthèse



PVC : polychlorure de vinyle

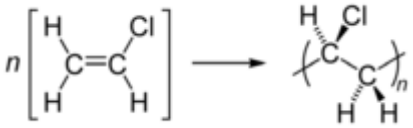
Formule :

Equation de réaction de la synthèse

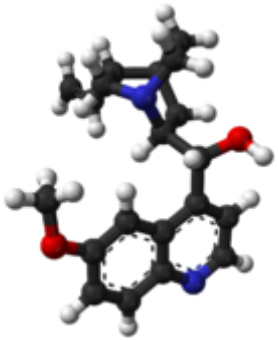


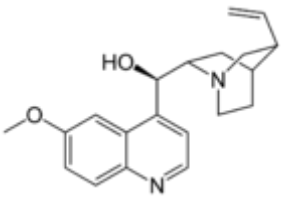
Monomère chlorure de vinyle

Polymère polychlorure de vinyle

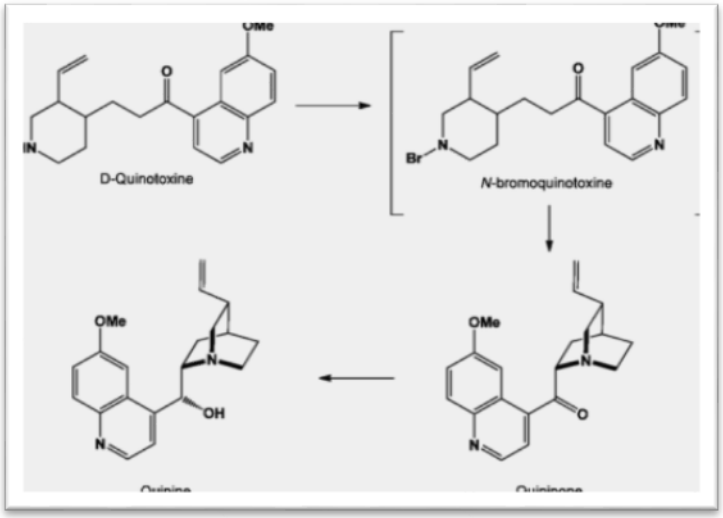


Quinine

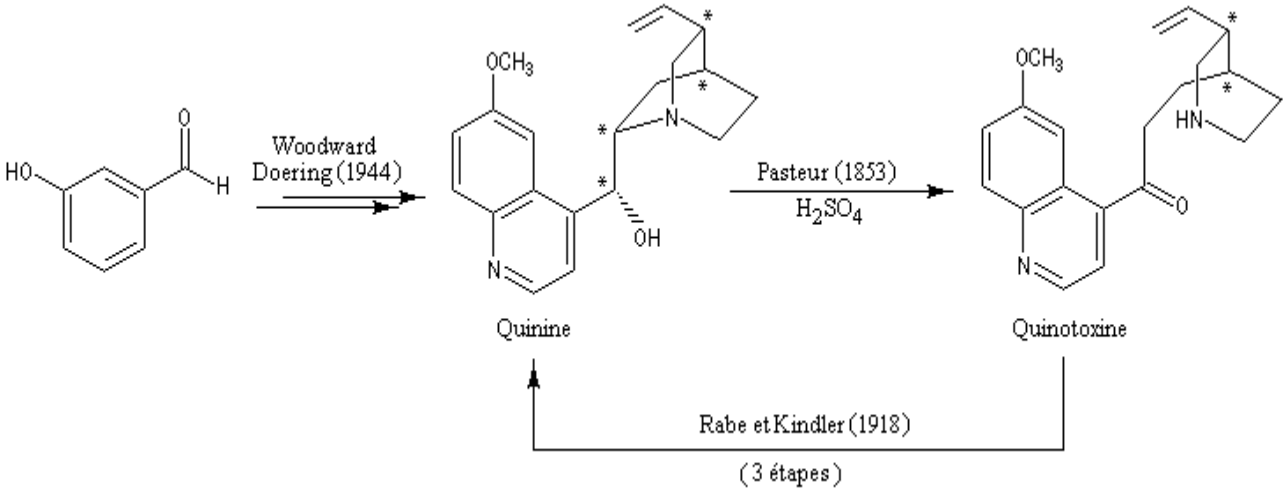




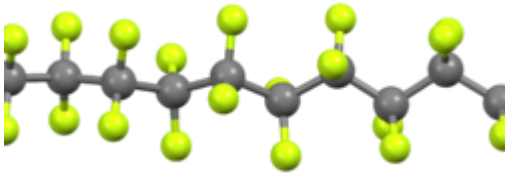
Equation de réaction de la synthèse

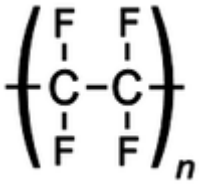


Synthèses historiques :

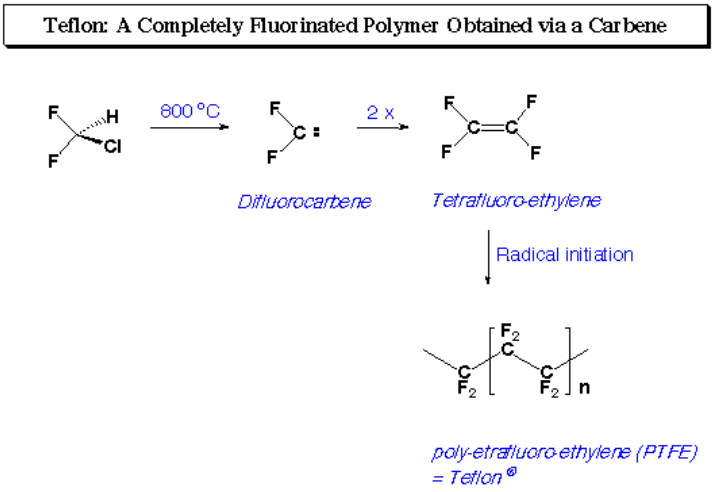


Téflon

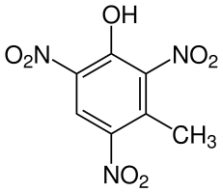


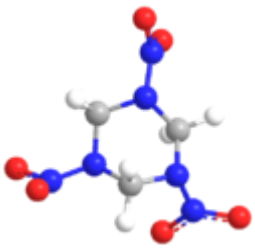


Equation de réaction de la synthèse

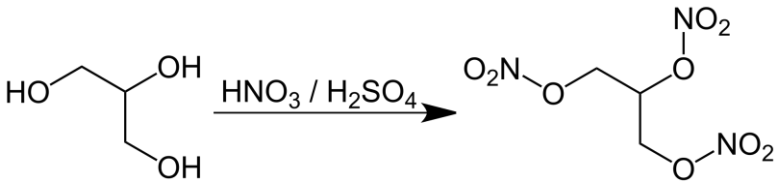


Trinitroglycérine

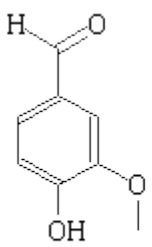




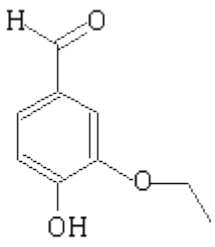
Equation de réaction de la synthèse



Vanilline

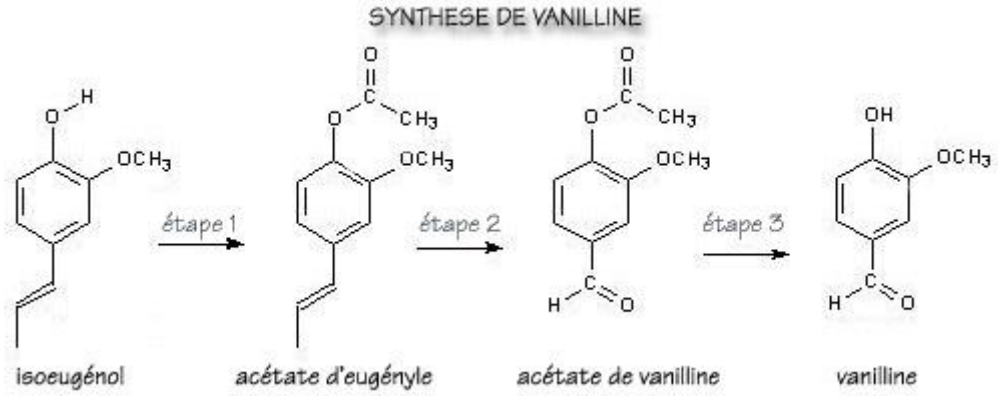


Vanilline



Ethylvanilline

Equation de réaction de la synthèse



http://aromes.tpe.free.fr/sommaire7.htm