Chimie durable

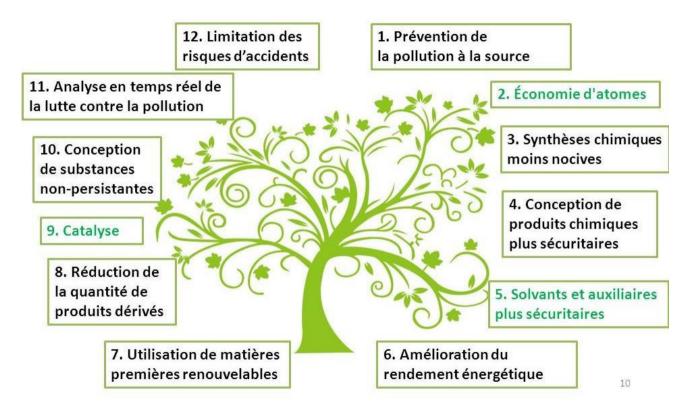






MESTRE Eloïse

Les 12 principes de la chimie verte



MESTRE Eloïse

Synthèse d'une chalcone

$$M(C_9H_{10}O) = 134,18 \text{ g/mol}$$

 $M(C_8H_8O_2) = 136,15 \text{ g/mol}$

$$M(C_{17}H_{16}O_2)=252 \text{ g/mol}$$

Procédé de Boots

$$M_{ibuprofène} = M(C_{13}H_{18}O_2) = 206.3g.mol^{-1}$$

$$M_{acide\acute{e}thano\"ique} = M(C_2H_4O_2) = 60.1g.mol^{-1}$$

$$M_{\text{\'ethanol}} = M(C_2H_5OH) = 46.1g \cdot \text{mol}^{-1}$$

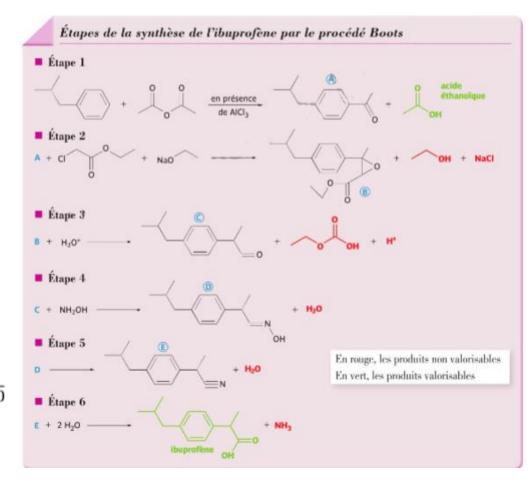
$$M(C_3H_6O_3)=90.1g \cdot mol^{-1}$$

$$M(H_2O) = 18g \cdot mol^{-1}$$

$$M(NaCl)=58.4g \cdot mol^{-1}$$

$$M(NH_3)=17g \cdot mol^{-1}$$

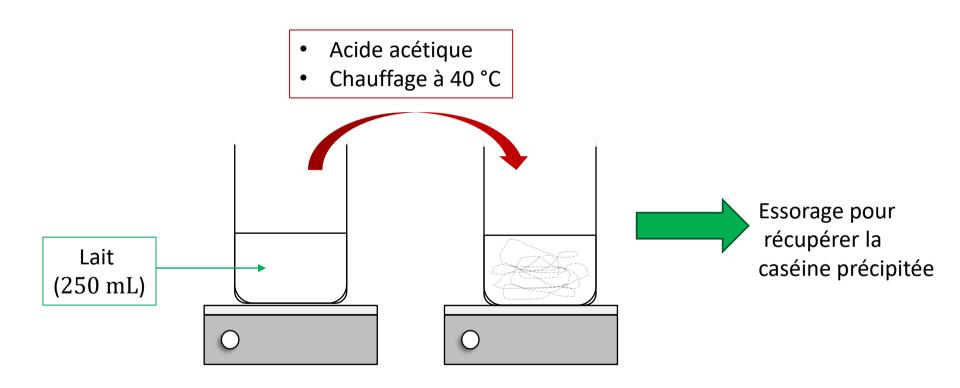
$$EA_{\text{Boots}} = \frac{206,3+60,1}{206,3+60,1+46,1+90,1+2\times18,0+1,0+58,4+17,0}$$
$$= 51,8 \%$$



MESTRE Eloïse 5

Procédé de BHC

Extraction de la caséine du lait



Merci