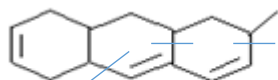


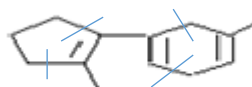
Corrigé Td Série N°2 UEF-1, M-1 Chimie d'Envmt.

Calcul de λ_{max} .

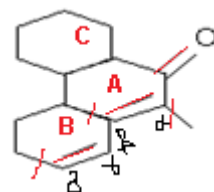


$$\lambda_{max} = \lambda_{base} + \text{incréments}$$

$$\lambda_{max} = 215nm + 3R + 1exo = 215 + 3 \times 5nm + 5 = 235nm$$

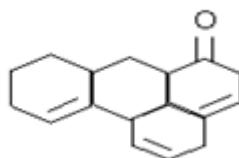


$$\lambda_{max} = 215nm + 5R = 215 + 5 \times 5nm = 240nm$$

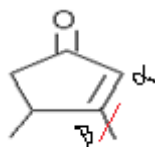


$$\lambda_{max} = 215nm + \frac{R}{\alpha} + \frac{R}{\beta} + \frac{R}{\delta} + 1dlca + \frac{1exo}{cycleB}$$

$$\lambda_{max} = 215nm + 10nm + 12nm + 18nm + 30nm + 5nm = 290nm$$

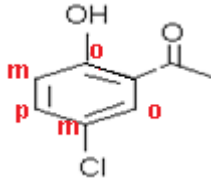


Ce composé n'est pas conjugué, on ne peut pas appliquer les règles de Woodward-Fieser – Scott.



Carbonyles cycliques conjugués à 5C => $\lambda_{base} = 202nm$

$$\lambda_{max} = 202nm + \frac{R}{\beta} = 202nm + 12nm = 214nm$$



$$X = R \Rightarrow \lambda_{base} = 246nm$$

$$\lambda_{max} = 246nm + \frac{OH}{ortho} + \frac{Cl}{méta}$$

$$\lambda_{max} = 246nm + 7nm + 0 = 253nm$$