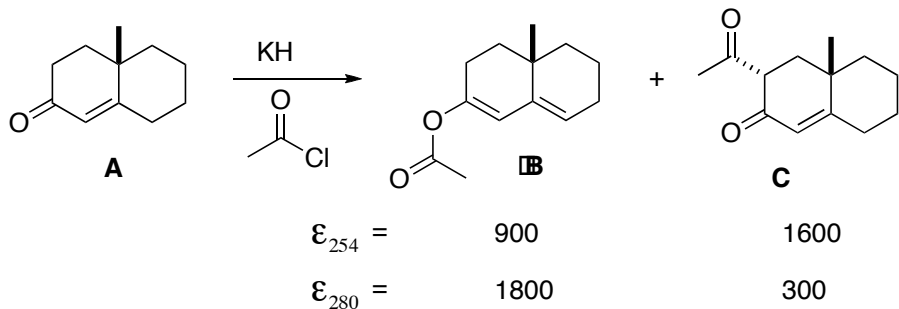


### Ultraviolet Practice #4

You have reacted **A** to make a mixture of **B** and **C**, which have absorptivities as shown. A sample of the mixture (pure **B** plus pure **C**) shows absorbance at 245 nm and 260 nm as indicated. What percent **C** is the mixture?



observed:  $A_{254} = 0.80$

observed:  $A_{280} = 1.10$