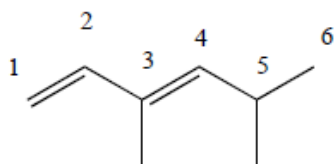


Diene Example #1:



Calc. $\lambda_{\text{max}} = 214$ (acyclic base) + 5 (alkyl auxochrome at C₃) + 5 (alkyl auxochrome at C₄) = 224 nm

One way to identify an auxochrome is to draw a loop around the entire conjugated system (including extending olefins) and then add hash marks across all bonds attached to the loop. The hash marks define auxochrome attachments.

