



# ORGOREVIEW

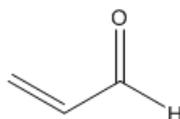
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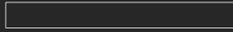
Which statement correctly describes the UV absorption spectrum of acrolein?



- (A) The longest wavelength absorption is due to the  $\pi_2$  to  $\pi_3$  transition but the most intense absorption above 200 nm is due to  $n$  to  $\pi_3$ .
- (B) The longest wavelength absorption is due to the  $n$  to  $\pi_3$  transition but the most intense absorption above 200 nm is due to  $\pi_2$  to  $\pi_3$ .
- (C) The longest wavelength absorption is due to the  $\pi_1$  to  $\pi_4$  transition but the most intense absorption above 200 nm is due to  $n$  to  $\pi_3$ .
- (D) The longest wavelength absorption is due to the  $n$  to  $\pi_3$  transition but the most intense absorption above 200 nm is due to  $\pi_1$  to  $\pi_4$ .
- (E) The longest wavelength absorption is due to the  $\pi_3$  to  $\pi_4$  transition but the most intense absorption above 200 nm is due to  $\pi_2$  to  $\pi_3$ .
- (F) The longest wavelength absorption is due to the  $\pi_2$  to  $\pi_3$  transition but the most intense absorption above 200 nm is due to  $\pi_3$  to  $\pi_4$ .

VIDEO SOLUTION





### How to Reach Us

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