



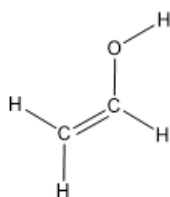
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Question Vault

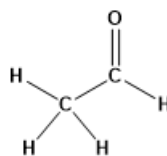
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Vinyl alcohol and acetaldehyde both behave as weak acids. The ionization of vinyl alcohol and acetaldehyde both give the *same* conjugate base. Vinyl alcohol and acetaldehyde are constitutional isomers but vinyl alcohol is less stable than acetaldehyde.



vinyl alcohol



acetaldehyde

(a) Give an explanation for why these two acids give the *same* conjugate base.

(b) Acetaldehyde has a $pK_a = 20$. Predict whether vinyl alcohol is stronger or weaker acid than acetaldehyde and give a reason for your prediction.

VIDEO SOLUTION



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