



ORGOREVIEW

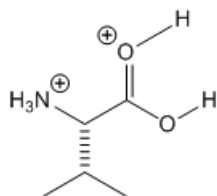
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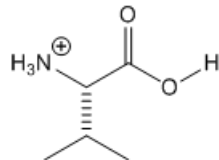
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Five different protonation states of the amino acid valine are shown below. Use these structures to answer the question. The pK_a of the NH_4^+ group is 9.7. The pK_a of the CO_2H group is 2.3. Which structure represents the predominate form of valine dissolved in pure water?

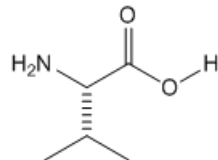
(A)



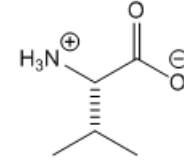
(B)



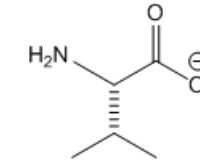
(C)



(D)



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VIDEO SOLUTION



How to Reach Us

Todd's Test Prep
2255 Glades Road
Suite 324A

Boca Raton, Florida 33431

E-mail: help@orgoreview.com

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