



ORGOREVIEW

Question Vault

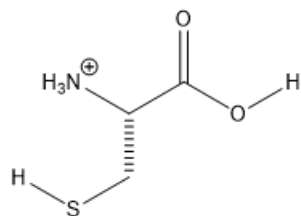
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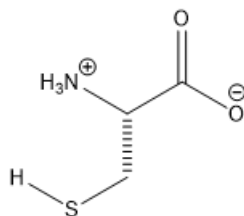
Six different protonation states of the amino acid cysteine are shown below. Which structure represents the major species in a solution buffered at pH 7?

The pK_a of the NH_4^+ group is 10.8. The pK_a of the SH group is 8.3. The pK_a of the CO_2H group is 1.7.

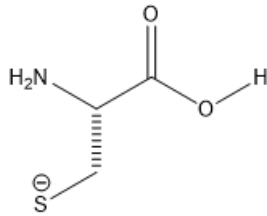
☐ (A)



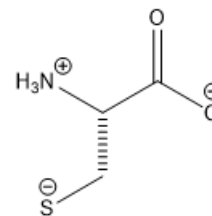
☐ (B)



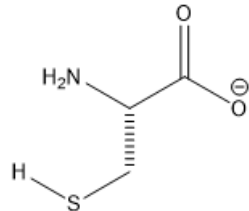
☐ (C)



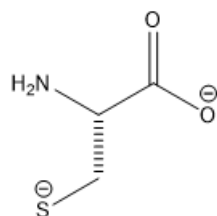
☐ (D)



☐ (E)



☐ (F)



VIDEO SOLUTION



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