



ORGOREVIEW

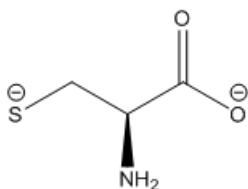
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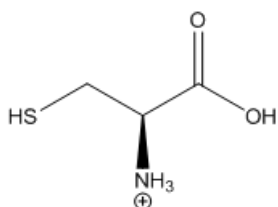
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Six different protonation states of the amino acid cysteine are shown below. The pK_a of the carboxylic acid group is 1.7. The pK_a of the thiol is 8.3. The pK_a of the protonated amine is 10.8. Select the structure that best represents the predominate state of cysteine in blood, $pH = 7.4$.

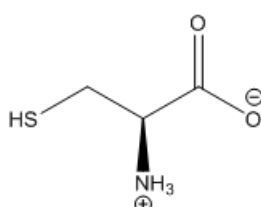
☐ (A)



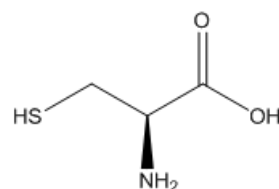
☐ (B)



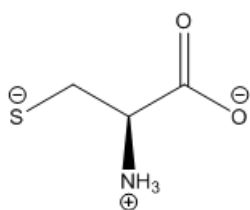
☐ (C)



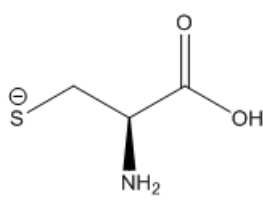
☐ (D)



☐ (E)



☐ (F)



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