

STRUCTURE OF AMINO ACID AT CERTAIN pH

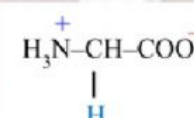
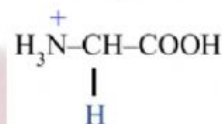
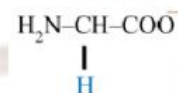
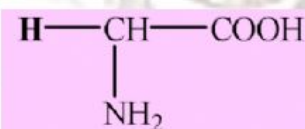
The structure of glycine is given as below. The pI of glycine is 6.1.

Choose the correct structures for each pH

at pH = 5.0

at pH = 6.1

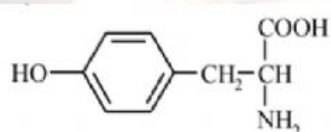
at pH = 8.0



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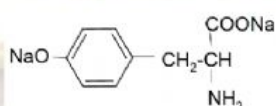
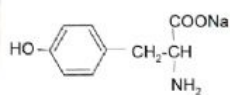
REACTIONS OF AMINO ACID

The structural formula of tyrosine is given below.

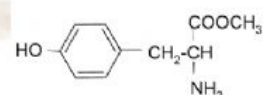
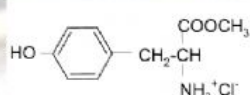


Select the correct product when tyrosine reacts with the following:

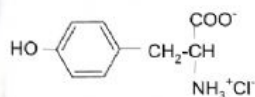
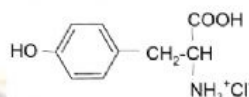
1) NaOH



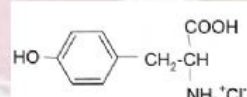
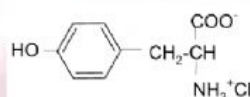
3) CH₃OH/HCl



2) HCl



4) NaNO₂/HCl



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