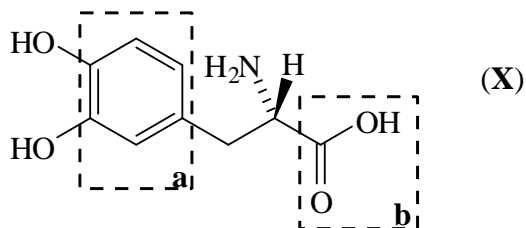


Marks
7

- Dopa is a non-proteinogenic amino acid used to treat Parkinson's disease. Only the enantiomer (**X**) is effective in restoring nerve function. The other enantiomer is highly toxic.



What is the molecular formula of (**X**)?

Name the functional groups, highlighted by the boxes **a** and **b**, present in (**X**).

a =	b =
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