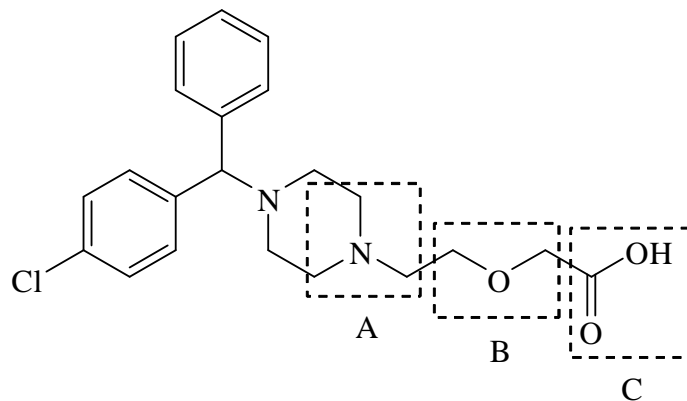


- The structure of the antihistamine, Zyrtec™, is given below.

**Marks**  
**5**



What is the name of the functional group in Box A?

What is the name of the functional group in Box B?

What is the name of the functional group in Box C?

By drawing an arrow on the structure above, clearly indicate the stereocentre in the structure of Zyrtec.

Draw the product of the reaction when Zyrtec is treated with  $\text{LiAlH}_4$  followed by dilute acid.

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