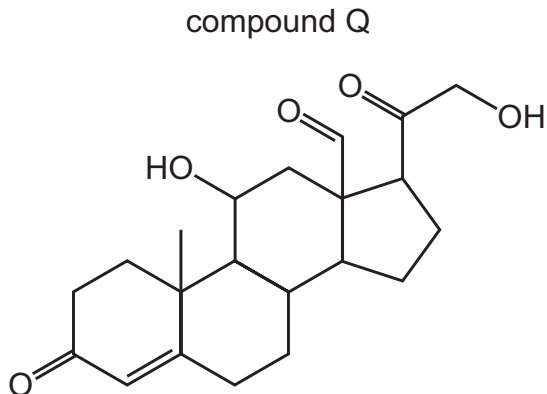


35 The structure of a naturally occurring compound, Q, is shown.



Compound Q is heated under reflux with an excess of acidified  $\text{KMnO}_4$ .

Organic product R is formed.

Which row is correct?

	results of tests with compound Q	results of tests with organic product R
<b>A</b>	orange precipitate with 2,4-DNPH and no reaction with alkaline $\text{I}_2(\text{aq})$	yellow precipitate with alkaline $\text{I}_2(\text{aq})$ and no reaction with Fehling's reagent
<b>B</b>	red precipitate with Fehling's reagent and no reaction with alkaline $\text{I}_2(\text{aq})$	orange precipitate with 2,4-DNPH and no reaction with alkaline $\text{I}_2(\text{aq})$
<b>C</b>	yellow precipitate with alkaline $\text{I}_2(\text{aq})$ and orange precipitate with 2,4-DNPH	no reaction with alkaline $\text{I}_2(\text{aq})$ and no reaction with Fehling's reagent
<b>D</b>	yellow precipitate with alkaline $\text{I}_2(\text{aq})$ and red precipitate with Fehling's reagent	yellow precipitate with alkaline $\text{I}_2(\text{aq})$ and orange precipitate with 2,4-DNPH