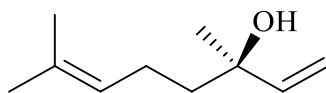


- The structure of (-)-linalool, a commonly occurring natural product, is shown below.



**Marks**  
**2**

Give the constitutional formula of the organic product formed from (-)-linalool in each of the following reactions. NB: If there is no reaction, write "no reaction".

Reagents / Conditions	Constitutional Formula of Product
$\text{Na}_2\text{Cr}_2\text{O}_7$ in aqueous acid	<b>no reaction</b>
Na, then $\text{CH}_3\text{Br}$	