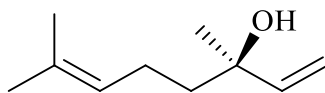


- The structure of (–)-linalool, a commonly occurring natural product, is shown below.

**Marks**
4

What is the molecular formula of (–)-linalool?

Which of the following best describes (–)-linalool?
achiral compound, racemic mixture,
(*R*)-enantiomer, or (*S*)-enantiomer

What functional groups are present in (–)-linalool?

Is it possible to obtain (*Z*) and (*E*) isomers of (–)-linalool? Give a reason for your answer.