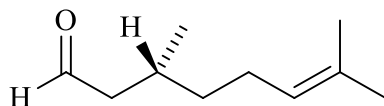


Marks
2

- The structure of (+)-citronellal, a widely occurring natural product, is shown below.



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

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

--