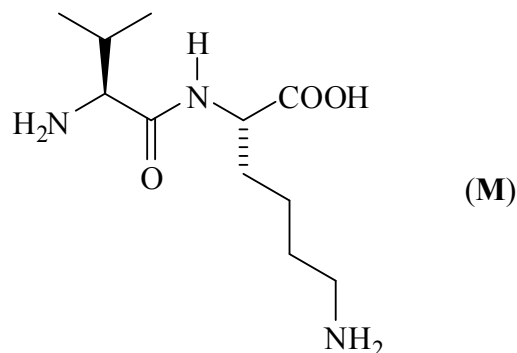


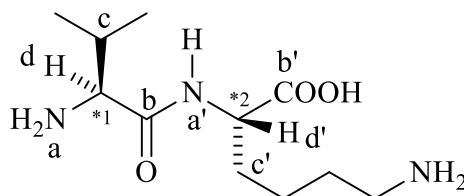
Marks
6

- Consider the following molecule (**M**) isolated from a natural source.



Indicate on the above structure all stereogenic centres in molecule (**M**).
 Use numbered asterisks (*1, *2, etc.).

Select one of these stereogenic centres and determine its absolute configuration.
 Show your working.



Around C*1, the priority of the groups are $a > b > c > d$. Looking down the C-H bond the groups $a \rightarrow b \rightarrow c$ go anticlockwise. Therefore configuration is (*S*)-.

Around C*2, the priority of the groups are $a' > b' > c' > d'$. Looking down the C-H bond (i.e. from behind the plane of the paper) the groups $a' \rightarrow b' \rightarrow c'$ go anticlockwise. Therefore configuration is (*S*)-.