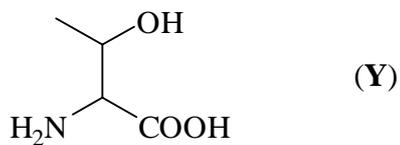


Marks
4

- Threonine (**Y**) is an amino acid. On the structure of (**Y**) below, identify all stereocentres in threonine with an asterisk (*).



How many possible stereoisomers of threonine are there?

Give the structures of the products obtained when threonine is treated with the following reagents.

1 M HCl

1 M NaOH