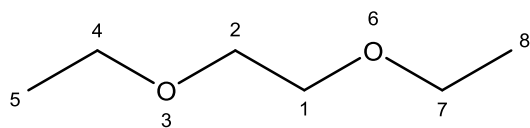


## Answer on Question#67037 – Chemistry – Organic chemistry

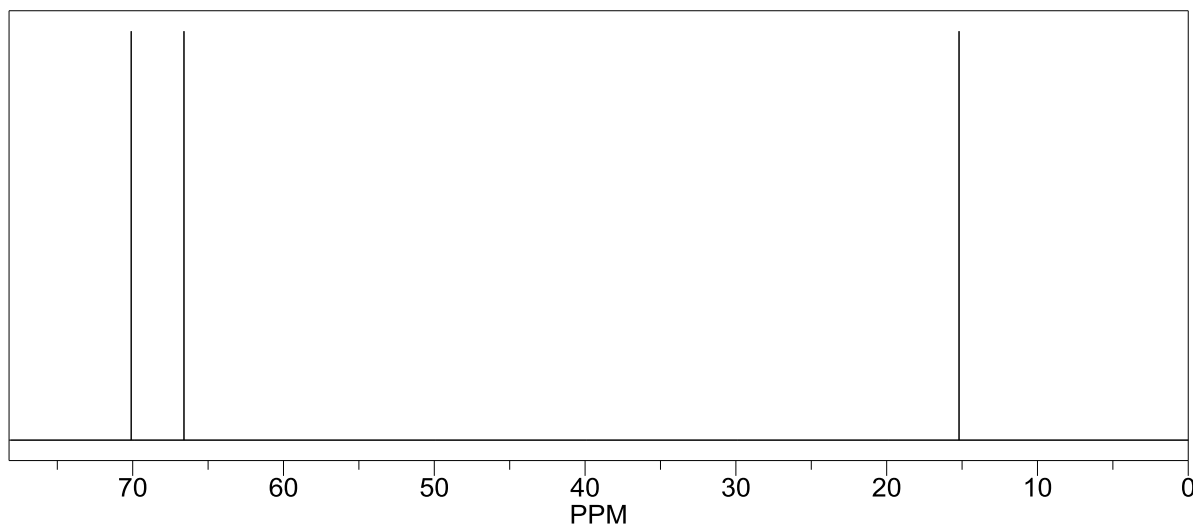
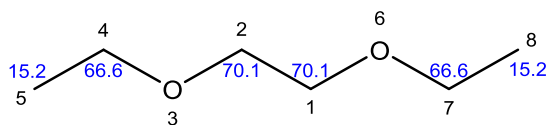
**Question:** Give the number of peaks in the  $^{13}\text{C}$ NMR spectroscopy of 1,2-Diethoxyethane.

**Solution:**



1,2-Diethoxyethane

1,2-diethoxyethane is a symmetrical molecule, and for  $^{13}\text{C}$  NMR spectroscopy 1 and 2 atoms, 4 and 7, 5 and 8 are identical. So, number of peaks is 3.



**Answer:** 3.

Answer provided by <https://www.AssignmentExpert.com>