

Which moieties of nucleosides are involved in the formation of phosphodiester linkages present in dinucleotides?

What does the word diester in the name of linkage indicate?

Which acid is involved in the formation of this linkage?

Ans:

{Moiety means a part of a large molecule.}

- i) The 5' and the 3' carbon atoms of the pentose sugar are involved in the formation of phosphodiester linkages
- ii) The word 'diester' in this linkage indicates that two -OH groups of phosphoric acid are involved in the formation of two ester linkages.
- iii) Phosphoric acid – H_3PO_4