

What are inosine nucleotides - FAQ

All nucleotides are are comprised of the following sub-structures: A nucleobase, a 5-membered ring sugar unit (either ribose or 2-deoxyribose), and one or more phosphate groups.

In the case of inosine nucleotides, the nucleobase is hypoxanthine. When a ribose unit is attached to hypoxanthine via a β -N₉-glycosidic bond, it is known as the <u>nucleoside</u> inosine. It is the presence of phosphate groups that distinguishes a <u>nucleotide</u> from a <u>nucleoside</u>.

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