

What Are Inosine Nucleotides - HPLC Primer

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All nucleotides 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 nucleoside inosine. It is the presence of phosphate groups that distinguishes a nucleotide from a nucleoside.

