

What Are Inosine Nucleotides - HPLC Primer

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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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MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451

Tel: (732) 380-8900

Fax: (910) 769-9435

Email: customers@mtc-usa.com

Website: www.mtc-usa.com