

## What are inosine nucleotides – FAQ

**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  $\beta$ -N<sub>9</sub>-glycosidic bond, it is known as the **nucleoside** inosine. It is the presence of phosphate groups that distinguishes a **nucleotide** from a **nucleoside**.



Printed from the Chrom Resource Center

**MicroSolv Technology Corporation**

9158 Industrial Blvd. NE, Leland, NC 28451

tel. (732) 380-8900, fax (910) 769-9435

Email: [customers@mtc-usa.com](mailto:customers@mtc-usa.com)

Website: [www.mtc-usa.com](http://www.mtc-usa.com)

Date: 03-05-2024