



Nucleosides, Nucleotides, Purines, Pyrimidines & Nucleic Acids

Nucleosides and nucleotides are closely involved in the preservation and transmission of the genetic information of all living creatures. Nucleosides are made of a nitrogenous base, usually either a purine or pyrimidine, and a five-carbon carbohydrate ribose. Five major nucleoside bases are common in human biology, including the purines (two-ring structure) adenine and guanine (top) and the pyrimidines (one-ring structure) cytosine, uracil, and thymine (middle).

A nucleotide is simply a nucleoside with an additional phosphate group or groups. Polynucleotides containing the carbohydrate ribose are known as ribonucleotide or RNA. Nucleotides are the molecular building-blocks of DNA and RNA.

Purine is a heterocyclic aromatic organic compound composed of a pyrimidine ring fused with imidazole ring. Pyrimidine is a heterocyclic aromatic organic compound that is composed of carbon and hydrogen.

Product Range

ITEM	CAS NUMBER	PACKING
Adenine	73-24-5	1 kg - 25 kg
Adenine Sulphate (Adenine Hemisulfate)	321-30-2	1 kg - 25 kg
Adenosine	58-61-7	1 kg - 25 kg
Adenosine-5-Diphosphate Disodium Salt (ADP-2Na)	16178-48-6	100 gm - 5 kg
Adenosine-5-Diphosphate, Potassium Salt (ADP-K)	72696-48-1	100 gm - 5 kg
Adenosine-5-Monophosphate Disodium Salt (AMP-2Na)	4578-31-8	100 gm - 5 kg
Adenosine-5-Triphosphate Disodium Salt (ATP-2Na)	34369-07-8	100 gm - 5 kg
Cytidine	65-46-3	1 kg - 25 kg
Cytosine	71-30-7	1 kg - 25 kg
5-Fluorocytosine	2022-85-7	1 kg - 25 kg
5-Fluorouracil	51-21-8	1 kg - 25 kg
Guanine	73-40-5	1 kg - 25 kg
Guanine Hydrochloride	635-39-2	1 kg - 25 kg
Guanosine	118-00-3	1 kg - 25 kg
Hypoxanthine	68-94-0	1 kg - 25 kg
Inosine	58-63-9	1 kg - 25 kg
Uracil	66-22-8	1 kg - 25 kg
Uridine	58-96-8	1 kg - 25 kg
Uridine 5-Monophosphate Disodium Salt Hydrate (5-UMP-Na2)	3387-36-8	1 kg - 25 kg
Xanthine	69-89-6	1 kg - 25 kg