

Certainly not. Other forms of nucleotides are present in the body or are acquired from the diet, which affects the living processes. One of the most important nucleotides is the

adenosine triphosphate the cell. Its structur base, a robes sugar un attached to each other charged, their propensi them together? A mac phosphate groups in th magnesium can be e vegetables, as it is plants. Other related Guanosine triphosphate (

O = P

3', 5' -Cyclic A

the energy currency of the Adenine nitrogenous sphate molecules that are coups are all negativelyeach other. So what holds ms a complex with the become stable. Luckily, through eating leafy t of the chlorophyll of s in the cell includes triphosphate (UTP) and

Cyclic forms of AMP and GMP are also present run the cell. These molecules are important second messengers that facilitate



Furthermore, as cancer cells require more nucleotides to incorporate to their replicating DNA, that is used to further invade the host, Nucleotide analogs are administered as chemotherapeutic agents. This includes 5-Iodo-2'deoxyuridine, 5-Fluorouracil, 6-Azauridine, 8-Azaguanine, 6-Mercaptopurine and 6-Thioguanine, which once incorporated to the growing DNA chain of cancer cells, disrupts correct base-pairing and replication.