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Guanosine Triphosphate

National Cancer Institute

Source

National Cancer Institute. *Guanosine Triphosphate*. NCI Thesaurus. Code C536.

A purine nucleotide triphosphate comprised of a guanine and a triphosphate moiety bound to a ribose moiety at its 1' and 5' sites, respectively. Guanosine triphosphate (GTP) can be utilized as a substrate for nucleic acid (DNA and RNA) synthesis, as an energy source for protein synthesis and gluconeogenesis, and as a signaling molecule.