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Thioinosine

National Cancer Institute

Source

National Cancer Institute. *Thioinosine*. NCI Thesaurus. Code C877.

A sulfhydryl analog of inosine and an antimetabolite with potential antineoplastic and immunosuppressive properties. Thioinosine interferes with de novo purine synthesis and perturbs the pool of nucleotides necessary for DNA replication. As a result, this agent inhibits DNA synthesis, blocks cellular proliferation and induces apoptosis.