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Thiouracil

National Cancer Institute

Source

National Cancer Institute. *Thiouracil*. NCI Thesaurus. Code C29856.

A sulfur-containing uracil. An established antithyroid drug and highly selective inhibitor of nitric oxide synthase (NOS), thiouracil also covalently binds to dopaquinone, produced by tyrosinase catalyzed oxidation of tyrosine, thereby selectively accumulating in de novo-synthesized melanin in overactive melanin-producing cells and providing a means to localize melanoma cells. (NCI04)