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Febuxostat

National Cancer Institute

Source

National Cancer Institute. *Febuxostat*. NCI Thesaurus. Code C65629.

An orally available, non-purine inhibitor of xanthine oxidase with uric acid lowering activity. Upon oral administration, febuxostat selectively and noncompetitively inhibits the activity of xanthine oxidase, an enzyme that converts oxypurines, including hypoxanthine and xanthine, into uric acid. By inhibiting xanthine oxidase, uric acid production is reduced and serum uric acid levels are lowered. Febuxostat may provide protection against acute renal failure caused by the excessive release of uric acid that occurs upon massive tumor cell lysis resulting from the treatment of some malignancies.