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# Nimesulide

National Cancer Institute

## Source

National Cancer Institute. *Nimesulide*. NCI Thesaurus. Code C29842.

A nonsteroidal arylsulfonamide with anti-inflammatory properties. Nimesulide inhibits the cyclooxygenase-mediated conversion of arachidonic acid to pro-inflammatory prostaglandins. Modestly selective for COX-2, this agent binds to the enzyme, thereby inactivating it. Nimesulide may inhibit some carcinogenic COX-2-related carcinogenic effects on xenobiotic metabolism, apoptosis, immune surveillance and angiogenesis (overexpressed COX-2 in tumor epithelial cells enhances production of vascular growth factors and the formation of capillary-like networks). (NCI04)