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Piroxicam

National Cancer Institute

Source

National Cancer Institute. *Piroxicam*. NCI Thesaurus. Code C751.

A nonsteroidal oxicam derivative with anti-inflammatory, antipyretic and analgesic properties. As a non-selective, nonsteroidal anti-inflammatory drug (NSAID), piroxicam binds and chelates both isoforms of cyclooxygenases (COX1 and COX2), thereby stalling phospholipase A2 activity and conversion of arachidonic acid into prostaglandin precursors at the rate limiting cyclooxygenase enzyme step. This results in inhibition of prostaglandin biosynthesis. As a second, independent effect, piroxicam inhibits the activation of neutrophils thereby contributing to its overall anti-inflammatory effects.