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Naproxen

National Cancer Institute

Source

National Cancer Institute. *Naproxen*. NCI Thesaurus. Code C680.

A propionic acid derivative and a non-steroidal anti-inflammatory drug (NSAID) with anti-inflammatory, antipyretic and analgesic activities. Naproxen inhibits the activity of the enzymes cyclo-oxygenase I and II, resulting in a decreased formation of precursors of prostaglandins and thromboxanes. The resulting decrease in prostaglandin synthesis is responsible for the therapeutic effects of naproxen. Naproxen also causes a decrease in the formation of thromboxane A₂ synthesis, by thromboxane synthase, thereby inhibiting platelet aggregation.