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# Nabumetone

National Cancer Institute

## Source

National Cancer Institute. *Nabumetone*. NCI Thesaurus. Code C47627.

A naphthylalkanone and non-steroidal anti-inflammatory drug (NSAID) with anti-inflammatory, antipyretic and analgesic activities. Nabumetone is a prodrug that upon hepatic catalysis converts into the active moiety 6-methoxy-2-naphthylacetic acid (6MNA). 6MNA inhibits the activity of the enzymes cyclo-oxygenase I and II, resulting in decreased formation of precursors of prostaglandins and thromboxanes. The resulting decrease in prostaglandin synthesis is responsible for the therapeutic effects of nabumetone. The formation of thromboxane A<sub>2</sub>, by thromboxane synthase, is also decreased and results in an inhibition of platelet aggregation.