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Meclofenamate Sodium

National Cancer Institute

Source

National Cancer Institute. *Meclofenamate Sodium*. NCI Thesaurus. Code C47597.

The sodium salt form of meclofenamate, an anthranilic acid and non-steroidal anti-inflammatory drug (NSAID) with anti-inflammatory, antipyretic and analgesic activities. Meclofenamate sodium 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, by prostaglandin synthase, is responsible for the therapeutic effects of meclofenamate sodium. Meclofenamate sodium also causes a decrease in the formation of thromboxane A₂ synthesis, by thromboxane synthase, thereby inhibiting platelet aggregation.