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Salsalate

National Cancer Institute

Source

National Cancer Institute. *Salsalate*. NCI Thesaurus. Code C62636.

An orally available salicylate and non-steroidal anti-inflammatory drug (NSAID), with anti-inflammatory, analgesic and antipyretic activities. As a prodrug, salsalate is hydrolyzed to salicylic acid which inhibits the expression of cyclooxygenase (COX) enzymes. This prevents the conversion of arachidonic acid into prostaglandin precursors and leads to decreased formation of prostaglandins that are involved in pain, fever and inflammation. In addition, salsalate appears to inhibit nuclear factor-kappa B (NF- κ B), thereby preventing activation of the NF- κ B-mediated pathway and the expression of genes involved in inflammation.