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Diflunisal

National Cancer Institute

Source

National Cancer Institute. *Diflunisal*. NCI Thesaurus. Code C47489.

A difluorophenyl derivate of salicylic acid and a nonsteroidal anti-inflammatory drug (NSAID) with antipyretic, analgesic and anti-inflammatory properties. Diflunisal competitively inhibits both cyclooxygenase (COX) -1 and -2, with higher affinity for COX-1, and subsequently blocks the conversion of arachidonic acid to prostaglandin precursors. This leads to an inhibition of the formation of prostaglandins that are involved in pain, inflammation and fever. Diflunisal differs from other salicylates, in that it is not metabolized to salicylic acid, hence it has a longer half-life.