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Diclofenac Sodium Gel

National Cancer Institute

Source

National Cancer Institute. *Diclofenac Sodium Gel*. NCI Thesaurus. Code C74024.

A gel formulation of the sodium salt of diclofenac, a nonsteroidal benzeneacetic acid derivative with analgesic, antipyretic and anti-inflammatory activities. Diclofenac binds to and chelates both isoforms of cyclooxygenase (COX-1 and-2), thereby blocking the conversion of arachidonic acid (AA) to pro-inflammatory prostaglandins. This agent may also inhibit lipoxygenases, resulting in the inhibition of pro-inflammatory leukotriene synthesis from AA.