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Oxaprozin

National Cancer Institute

Source

National Cancer Institute. *Oxaprozin*. NCI Thesaurus. Code C29307.

A nonsteroidal anti-inflammatory drug (NSAID) derivative of oxazole-propionic acid with analgesic and antipyretic properties. As a first generation NSAID inhibitor, oxaprozin binds to and inactivates both isoforms of cyclooxygenase (COX-1 and-2), thereby blocking the conversion of arachidonic acid to pro-inflammatory prostaglandins. When inhibiting COX-2, this agent may be effective in relieving pain and inflammation; when inhibiting COX-1, it may produce unacceptable gastrointestinal side effects. (NCI04)