THE PRO CHOICE IN ARTHRITIS

It is commonly agreed that prostaglandins confer upon the gastric mucosa a resistance to erosion and damage.[1] This so called mucoprotection is compromised by the use of antiarthritic drugs which are prostaglandin synthetase inhibitors. It has been suggested that this is of great relevance to the observed level of gastric side-effects observed with this class of drug.

Lederfen in the stomach has little or no effect on the mucoprotection conferred by the endogenous prostaglandins.[2] Simply, unmetabolised Lederfen is not a prostaglandin synthetase inhibitor.

The major metabolites of Lederfen are however most potent PSIs, shown by in vitro studies to be twice as potent as indomethacin.[2] Thus, once Lederfen

has been absorbed – avoiding prostaglandin-associated gastric compromise – a powerful antiarthritic effect is observed. Lederfen has been found to be at least equal in clinical effectiveness to reference standards including naproxen,[3] indomethacin,[4] and aspirin.[5] But with significantly fewer side-effects.

Power without doubt. The pro-choice in arthritis.

Lederfen
fenbufen TABLETS

the pro-drug way to control pain, stiffness and side-effects

Indications: Rheumatoid arthritis, osteoarthritis, ankylosing spondylitis. **Dosage: Adults:** One tablet in the morning and two at night. LEDERFEN is not a gastric irritant and is converted, following absorption into long-acting active metabolites. Consequently LEDERFEN is extremely unlikely to cause gastro-intestinal bleeding or ulceration. Furthermore, LEDERFEN may be used without dosage modification in elderly patients in whom mild to moderate renal impairment commonly occurs. **Contra-indications:** Hypersensitivity to propionic acid anti-inflammatory drugs or aspirin. **Precautions:** In patients with a history or evidence of active peptic or intestinal ulceration, and only when considered essential in pregnant and nursing women. **Side-effects:** LEDERFEN is well tolerated by most patients. Gastro-intestinal symptoms, and occasionally skin rash are the most commonly reported. **Legal Category:** POM. **Presentation:** Light blue, film coated, capsule shaped 300 mg tablets engraved "LL300." or capsules printed "Lederle 300 mg," in bottles of 100. **Basic NHS Cost:** £16.24 per 100 tablets or capsules. PL/0095/0081. Further information is available on request to the company.

Lederle Laboratories, a division of Cyanamid of Great Britain Limited, Fareham Road, Gosport, Hants PO13 0AS. Tel: (0329) 236131.

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Lederle

A RADICALLY NEW WAY TO DELIVER RELIEF FROM ARTHRITIS

unique pH-sensitive

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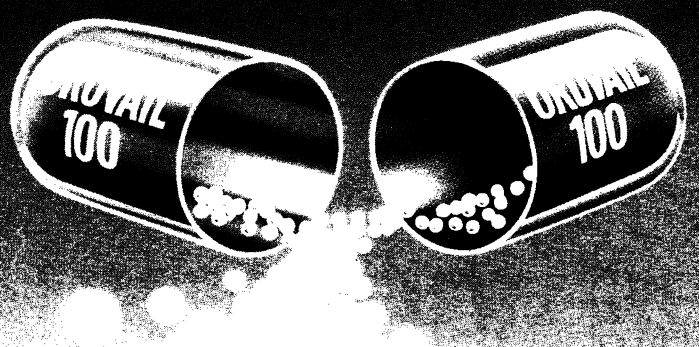
Oruvail

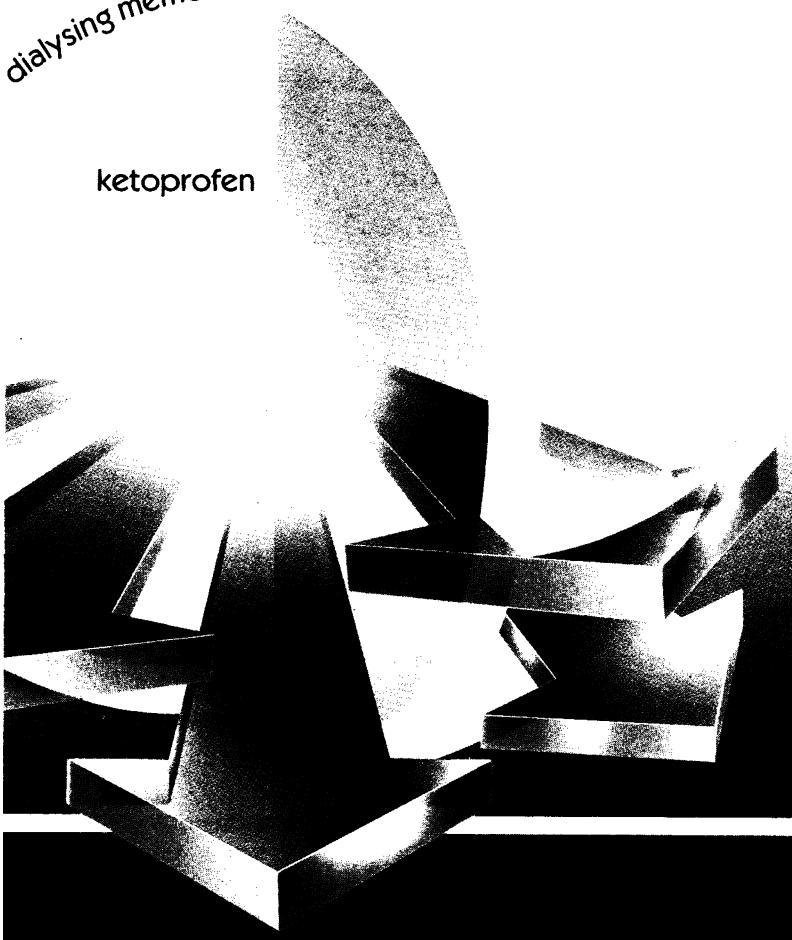
ketoprofen

Programmed to control your patients' symptoms 24 hours-a-day



dialysing membrane

ketoprofen



IN THE STOMACH

the acid environment prevents release of active drug – minimising local gastric irritation.

IN THE INTESTINE

the more alkaline environment initiates the gradual diffusion of ketoprofen from the tablets

Prescribing information

Dosage: Orally with food, 100-200mg once daily.
Contra-indications: Recurring history of/or peptic ulceration, chronic dyspepsia, use in children, in patients sensitive to aspirin or other non-steroidal anti-inflammatory drugs known to inhibit prostaglandin synthetase or with bronchial asthma or allergic disease
Precautions: Pregnancy, lactation. Dosage of concomitant protein-binding drugs may need modification.
Side-effects: Occasional gastro-intestinal intolerance. Very rare gastro-intestinal haemorrhage/skin rashes.
Presentation: 100mg capsules PL 0012/0133
Basic NHS Cost: (Jul '82) 100 x 100mg capsules £18.38
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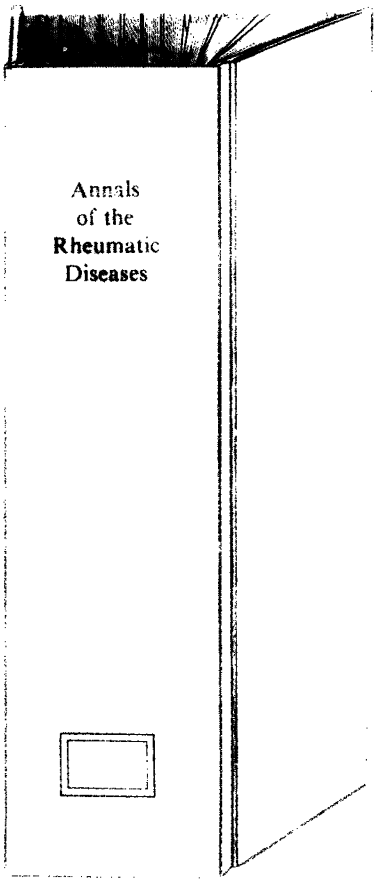

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Presentation
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Indications
Osteoarthritis, rheumatoid arthritis.
Dosage
1 daily
Side-effects
G-i. tract disturbance, headache, slight dizziness, skin rash, peripheral oedema and abnormalities of serum transaminases; very rarely peptic ulcer; blood dyscrasias (no causal relationship established). Isolated reports of anaphylactoid reactions.
Precautions
Pregnancy. Use with caution in patients with a history of peptic ulcer, g-i bleeding, bleeding diathesis, severe hepatic or renal insufficiency. Voltarol has been reported to depress salicylate levels and vice versa; the clinical relevance of this is not yet clear.
Contra-indications
Peptic ulcer; previous sensitivity to Voltarol, aspirin or other NSAIs
Pack
Voltarol Retard tablets of 100mg (PL0001 0101) in packs of 28, basic NHS price £[illegible].98. Full prescribing information is available from Geigy Pharmaceuticals Horsham, West Sussex.
References
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Geigy

New

ONE A DAY VOLTAROL® RETARD

diclofenac sodium in a slow-release formulation

Night and day relief from arthritic pain[1]
Effective against morning stiffness[2]

Long term activity in arthritis

IN the treatment of arthritis, relief of pain and inflammation is a major objective. The ultimate aim, however, is to restore mobility lost through painful, stiffened joints. This requires long-term, consistently effective control of pain and inflammation. Continuity of treatment is fundamental to the successful management of arthritis.

A PRODUCT of Boots Research, Froben is designed for the long-term treatment of arthritis. Rapidly absorbed, it quickly reaches the affected joints bringing pain and inflammation firmly under control and maintaining that control over long periods of treatment. Drug accumulation does not occur and Froben is well tolerated by most patients. Froben is suitable for continuous treatment. Which is why it is effective.

SUITABLE for most arthritic patients, Froben is particularly valuable for those who need a high level of relief from pain and inflammation. Froben will provide that extra relief without the high incidence of side-effects often associated with the more potent of the anti-arthritic agents.

FROBEN is an excellent anti-arthritic with which to start treatment. It is an excellent antiarthritic with which to continue treatment. With Froben, your arthritic patients will receive the full benefit of continuous, consistent long-term therapy.

Froben
flurbiprofen

Active in Arthritis

Prescribing Information:
Presentation: Sugar-coated tablets, each containing either 50mg or 100mg of flurbiprofen. **Uses:** Froben is indicated in the treatment of rheumatoid disease, osteoarthrosis and ankylosing spondylitis. **Dosage:** 150mg to 200mg daily in 3 or 4 divided doses. In patients with severe symptoms or disease of recent origin, or during acute exacerbations, the total daily dose may be increased to 300mg in divided doses. **Contra-indications, Warnings etc:** Froben should not be given to patients with peptic ulceration. Care should be taken when administering the drug to patients with asthma or who have experienced bronchospasm with other anti-inflammatory or analgesic agents. The safety of Froben during pregnancy or lactation has not been established. In animal experiments, no teratogenic effects were demonstrated but parturition was delayed and prolonged. Side-effects: dyspepsia, heartburn and headache are the commonest encountered. Occasional skin rashes have been reported. Treatment of overdosage: gastric lavage and, if necessary, correction of serum electrolytes. There is no specific antidote. **Basic NHS Price:** 50mg tablets, 100 £8.24 100mg tablets, 100 £15.65. **Product Licence No:** 50mg tablets, PL0014/0167. 100mg tablets, PL0014/0168. Further information is available on request.

If you have not yet used Froben, naturally you will wish to know more about the product than we can convey in this advertisement. We will gladly send you the Froben Clinical & Technical Review upon your request.

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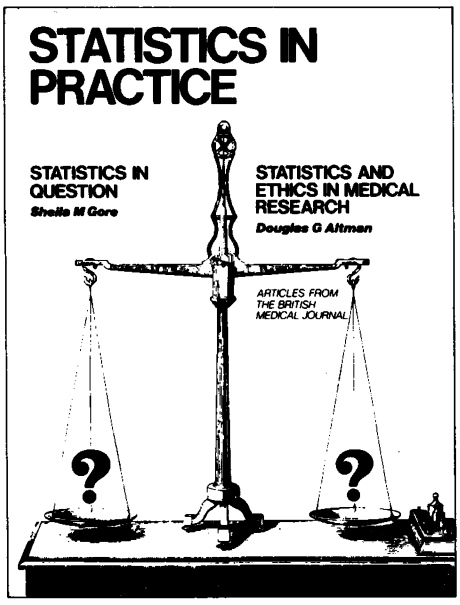

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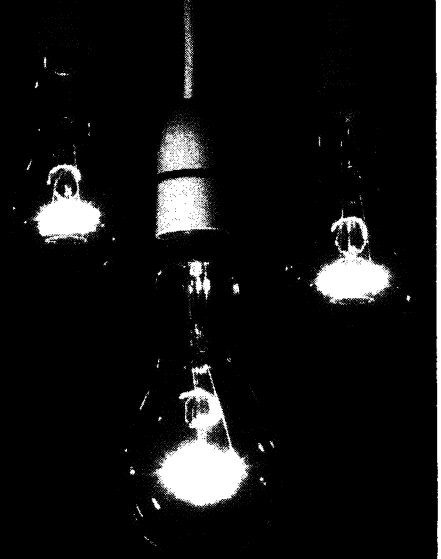

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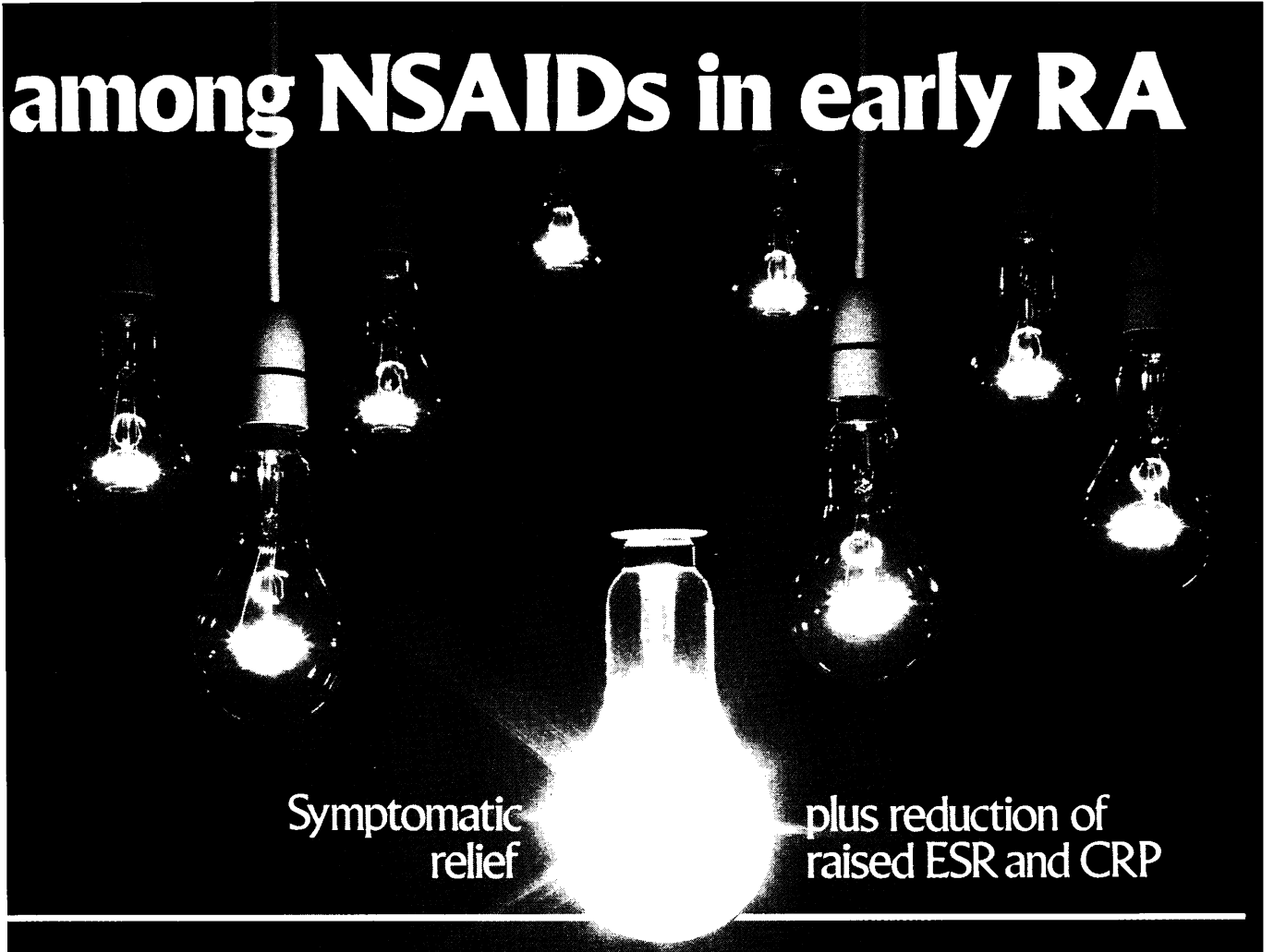
Presentation Tablets of 300mg fenclofenac. **Indications** Chronic and sub-acute rheumatological conditions such as osteoarthrosis, rheumatoid arthritis, ankylosing spondylitis. **Dosage and Administration** Adults 600-1200mg (2-4 tablets) daily in divided doses (morning and night) with or after food. Flenac is not recommended for children. **Contra-Indications** Active peptic ulceration or gastric bleeding. **Warnings** Flenac should

among NSAIDs in early RA



FLENAC

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Symptomatic relief comparable with other NSAIDs[1,2,3]

Good gastric tolerability[4,5]

Consistently shown to reduce raised ESR and CRP levels, and beneficially affect other laboratory values in RA—in comparisons with d-penicillamine[6] gold[7,8] oxychloroquine[9] naproxen[1] diclofenac[3]

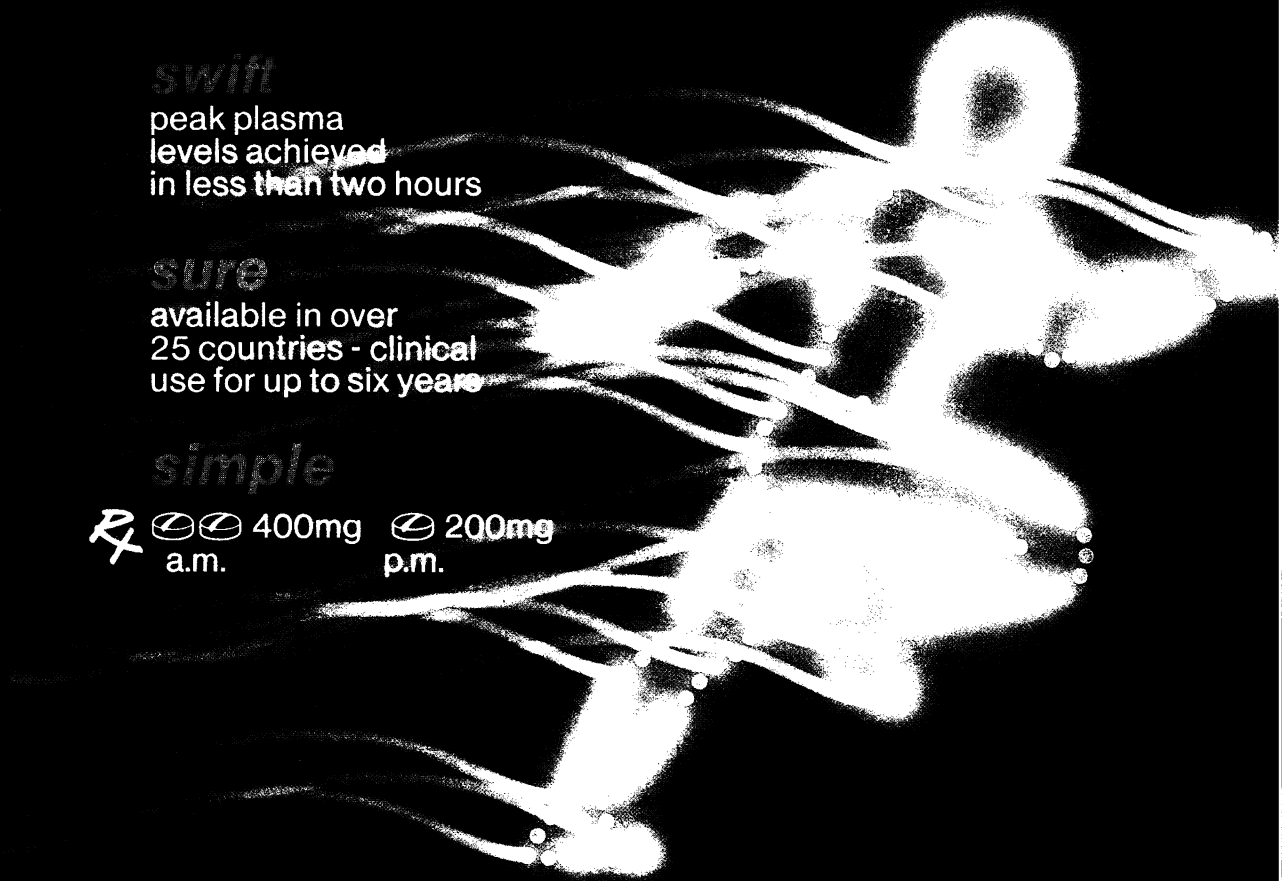
not at present be prescribed for children or pregnant or lactating women. Flenac may potentiate the action of drugs which are highly protein bound such as anticoagulants and oral hypoglycaemics. Care should be taken when treating patients with known renal or hepatic dysfunction, eczema, asthma or sensitivity to other non-steroidal anti-inflammatory drugs. **Note** Flenac interferes with thyroid function tests. **Side-Effects** Gastro-intestinal symptoms sufficient to require discontinuing treatment are rare. Rashes have occurred, generally these are mild and resolve shortly after withdrawal of the drug, although occasionally more severe reactions have occurred. **NHS Price** £12.88 pack of 100. (August 1983) **P.L.** 44 0060. Additional information is available from: Reckitt & Colman Pharmaceutical Division, Hull HU8 7DS. Tel: 0482 26151. Flenac is a registered trade mark.

in Osteoarthritis

Flosint

indoprofen

fast pain relief



swift

peak plasma levels achieved in less than two hours

sure

available in over 25 countries - clinical use for up to six years

simple

℞ 400mg a.m. 200mg p.m.

FLOSINT INDOPROFEN

towards mobility without pain

Prescribing Information

Presentation White, uncoated, biconvex, scored tablets containing 200 mg indoprofen. **Uses** Flosint is an analgesic anti-inflammatory indicated for the treatment of the arthritides, rheumatoid arthritis, osteo-arthrosis, ankylosing spondylitis and others. Its analgesic activity may be utilised in a variety of disorders characterised by mild to moderate pain such as lower limb ischaemia, episiotomy and other surgical and dental procedures, and malignancy. **Dosage and Administration** Adults. The recommended initial dosage of indoprofen is 200 - 600 mg daily in two to three divided doses. In some severe conditions it can be advantageous to increase the daily dosage to 800 mg. Maintenance therapy can be accomplished by reducing the dosage to the level which gives satisfactory relief of symptoms for prolonged periods. The tablets should be taken with food to increase tolerability. Children. Paediatric usage has not been established. **Contra-Indications, Warnings, etc.** *Contra-Indications.* Indoprofen is a propionic acid derivative and a prostaglandin synthetase inhibitor. It should not be given to patients with known sensitivity to this class of compounds or to patients with active peptic ulceration. *Warnings.* Bronchospasm may be precipitated in patients suffering from or with a previous history of bronchial asthma or allergic disease. Indoprofen is extensively protein bound and may displace oral anti-coagulants, sulphonylureas, etc. from binding sites. Dosage alterations may be needed in patients requiring concomitant treatment with these agents. Dosage reduction may be required in renal or hepatic impairment. *Pregnancy.* Animal experiments show no evidence of teratogenicity. However, this class of compounds has been shown to delay parturition in animals. The use of indoprofen during pregnancy should be avoided if possible. *Adverse Effects.* The most common adverse reactions caused by indoprofen are gastro-intestinal, including dyspepsia and nausea. Haemorrhage can occur rarely, as well as peptic ulceration. Other effects include mild central nervous system symptoms, such as dizziness and headache, and also skin rashes of various types. Decrease in platelet count has been observed rarely and blood dyscrasias may uncommonly occur. Limited data available suggests that abnormal liver function may be further impaired by treatment with indoprofen. *Overdosage.* Gastric lavage and general supportive treatment should be carried out. There is no specific antidote. **Legal Category** POM. **Package Quantities** Containers of 100 tablets. **Basic NHS Cost** £16.00 per 100 tablets. **Product Licence Number** 3433/0034. April 1983.

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