8031389-9093 For the use of a Registered Medical Practitioner or a Hospital or a Laboratory only

TOLDIN P

(Etodolac & Paracetamol Tablets)

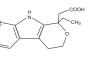
COMPOSITION Each film coated tablet contains : Etodolac I.P. 400 mg Paracetamol I.P. 325 mg Exclipients q.s.

Colours · Bed oxide of Iron and Titanium Dioxide LP WARNING: TAKING MORE THAN DAILY DOSE MAY CAUSE SERIOUS LIVER DAMAGE OR ALLERGIC REACTIONS (E.G. SWELLING OF THE FACE, MOUTH AND THROAT, DIFFICULTY IN BREATHING, ITCHING OR RASH)

DESCRIPTION

LDIN P is a combination product containing etodolac, a nonsteroidal anti-inflammate g (NSAID) with analgesic and antipyretic properties, and paracetamol which is an anal and an antipyretic drug. ETODOLAC

Elodolac is a member of the pyranocarboxylic acid group of non-steroidal anti-inflammatory drugs (NSAIDs). The chemical name is 1,8-diethyl-1,3,4,9-tetra hydropyrano-[3,4-b]indole-1-acetic acid.



PARACETAMOL Paracetamol is White crystals or a white, crystalline powder. It is freely soluble in ethanol (95%) and in acetone; sparingly soluble in water, very slightly soluble in dichloromethane and ether. Paracetamol a peripherally acting analgesic. Chemically, Paracetamol is 4-hydroxyacetanilide. The empirical formula is CgHgNO2 and its molecular weight is 151.2. It has the following structural formula:



PHARMACOLOGY

Etodolac is a NSAID that exhibits anti-inflammatory, analgesic, and antipyretic activities in animal models. The mechanism of action of etodolac, like that of other NSAIDs, is not completely understood, reported to be a preferential inhibitor of cyclo-oxygenase 2 (COX-2). Paracetamol:

Paracetamol: Paracetamol produces analgesic and antipyretic as main effects and it has been also reported tha paracetamol has a weak anti-inflammatory effect. Analgesic action: The central analgesic action o Paracetamol resembles that of aspirin. It produces analgesia by raising pain threshold. Antipyretie effect: The antipyretic effect of Paracetamol is attributed to its ability to inhibit COX in the brain where percode tone is low. Recent evidence suggests inhibition of COX-3 (Delived to be splice variant product of the COX-1 gene) could represent a primary central mechanism by which Paracetamol decreases pain and possibly fever. Paracetamol is a peripherally acting analgesic with antipyretic activity. Pharmacoklinetics

Etodolac: Etodolac is a chiral compound given as the racemate. Peak plasma concentrations of the active (S) -enantiomer and of the inactive (R)-enantiomer are usually obtained within about 2 hours of a dose by mouth but plasma concentrations of the (R)-enantiomer have been reported to greatly exceed to the plasma concentrations of the (R)-enantiomer have been reported to greatly exceed those of the (S)-enantiomer. Both enantiomers are highly bound to plasma proteins. Both are also distributed to the synovial fluid, although the difference in their concentrations may not be as marked as the difference in plasma concentrations. The plasma hall-life of total etodolac has been reported to be about 7 hours; excretion is mainly in the urine as hydroxylated metabolites and glucuronide conjugates; some may be excreted in the bile. *Paracetamol*:

nol is readily absorbed from the gastrointestinal tract with peak plasma concentrations Paracetamol is readily absorbed from the gastrointestinal tract with peak plasma concentrations occurring about 10 to 60 minutes after oral doses. Paracetamol is distributed into most body tissues. It crosses the placenta and is present in breast milk. Plasma-protein binding is negligible at usual therapeutic concentrations but increases with increasing concentrations. The elimination half-life of paracetamol varies from about 1 to 3 hours. Paracetamol is metabolised mainly in the liver and excreted in the urine mainly as the glucuronide and sulfate conjugates. Less than 5% is excreted as unchanged paracetamol. A minor hydroxylated metabolite (Nacetty-b-enzo quinoneimine), is usually produced in very small amounts by cytochrome P450 isoenzymes (mainly CYP2E1 and CYP3A4) in the liver and kidney. It is usually detoxified by conjugation with glutathione but may accumulate after paracetamol. Verdosage and cause tissue damage. INDICATIONS

For the symptomatic treatment of acute pain and inflammation in patients with osteoarthritis. rheumatoid arthritis and ankylosing spondylitis CONTRAINDICATIONS

CONTRAINDICATIONS Etodolac: Etodolac is contraindicated in patients with known hypersensitivity to etodolac. Etodolac should not be given to patients who have experienced asthma, urticaria, or other allergic-type reactions after taking aspirin or other NSAIDs and history of gastrointestinal bleeding or perforation, related to previous NSAIDs therapy. Severe, rarely tatal, anaphylactic-like reactions to NSAIDs have been reported in such patients. Etodolac is contraindicated for the treatment of peri-operative pain in the setting of coronary artery bypass graft (CABG) surgery. Etodolac should not be used in patients with severe heart failure. Appatiend schould not be used in patients with severe pisodes of proven ulceration or a history of peptic ulcer disease (with two or more distinct episodes of proven ulceration or bleeding). During the last trimester of pregnancy. *Paracetamol:*

ol is contraindicated in patients with hypersensitivity to any of the ingredients. It should not be given to patients with severe liver disease. SPECIAL WARNINGS AND PRECAUTIONS

Cardiovascular Risk

NSAIDs¹ may cause an increased risk of serious cardiovascular thrombotic events myccardial infarction (MI), and stroke, which can be fatal. This risk may increase with duration of use. Patients with cardiovascular disease or risk factors forcardiovascula disease may be at greater risk.

Etodolac tablets are contraindicated for the treatment of peri-operative pain in the setting of coronary artery bypass graft (CABG) surgery.

NSAIDs cause an increased risk of serious gastrointestinal adverse events including bleeding, ulceration, and perforation of the stomach or intestines, which can be fatal. These events can occur at any time during use and without warning symptoms. Elderly patients are at greater risk for serious gastrointestinal (G) events.

¹Throughout this package insert, the term NSAID refers to a non-aspirin non-steroidal atory drug.

Special Precautions:-General

Etodolac cannot be expected to substitute for corticosteroids or to treat corticosteroid insufficiency. Abrupt Laborato can not be expected to substitute for contracisteriots or to treat controcosteriol insufficiency. Abrupt discontinuation of corticosteroids may lead to disease exacerbation. Patients on prolonged corticosteroid therapy should have their therapy tapered solely if a decision is made to discontinue corticosteroids. The pharmacological activity of etodolac in reducing fever and inflammation may diminish the utility of these diagnostic signs in detecting complications of presumed noninfectious, painful conditions. Hepatic Effects

ations of one or more liver tests may occur in up to 15% of natients taking NSAIDs Borderline elevations of one or more liver tests may occur in up to 15% of patients taking NSAIDs including etodolac. These laboratory abnormalities may progress, may, remain unchanged, or may be transient with continuing therapy. Notable elevations of ALT or AST (approximately three or more times the upper limit of normal) have been reported in approximately 1% of patients in clinical trials with NSAIDs. In addition, rare cases of severe hepatic reactions, including jaundice and fatal fulminant hepatient with symptoms and/or signs suggesting liver dysfunction, or in whom an abnormal liver test has occurred, should be evaluated for evidence of the development of a more severe hepatic reaction while on therapy with etodolac. If clinical signs and symptoms consistent with liver disease develop, or if systemic manifestations occur (e.g., eosinophilia, rash, etc.), etodolac should be discontinued. Hematolocialel Effects atological Effects

nes seen in patients receiving NSAIDs including etodolac. This may be due to fluid Anemia is som Anemia is sometimes seen in patients receiving NSAIDs including etodolac. This may be due to fluid retention, occult or gross GI blood loss, or an incompletely described effect upon erythropoiesis. Patients on long-term treatment with NSAIDs, including etodolac, should have their hemoglobin or hematocrit checked if they exhibit any signs or symptoms of anemia. NSAIDs inhibit platelet aggregation and have been shown to prolong bleeding time in some patients. Unlike aspirin, their effect on platelet function is quantitatively less, of shorter duration, and reversible. Patients receiving etodolac who may be adversely affected by alterations in platelet function, such as those with coagulation disorders or patients receiving anticoagulants, should be carefully monitored.

Pre-existing Asthma Patients with asthma may have aspirin-sensitive asthma. The use of aspirin in patients with aspirin build be as the fatal. Since cro associated with severe bronchospasm which can be fatal. Since asm, between aspirin and other nonsteroidal anti-inflammator sensitive asthmas has been associated with severe bronchospasm which can be fatal. Since cross reactivity, including bronchospasm, between aspirin and other nonsteroidal anti-inflammatory drugs has been reported in such aspirin-sensitive patients, etodolac should not be administered to patients with this form of aspirin sensitivity and should be used with caution in all patients with pre-existing asthma. Information for Patients Patients should be informed of the following information before initiating therapy with an NSAID and periodically during the course of ongoing therapy. Etodolac, like other NSAIDs, may cause serious CV side effects, such as MI or stroke, which may result in hospitalization and even death. Although serious CV events can occur without warning symptoms, patients should be alert for the signs and symptoms of chest pain, shortness of breath, weakness, sluring of speech, and should ask for medical advice when observing any indicative sign or symptoms. Patients should be apprised of the importance of this follow-up. Etodolac, like other NSAIDs, can cause GI discomfort and, rarely, serious GI side effects, such as ulcers and bleeding, which may result in hospitalization and even death. Although serious GI tract ulcerations and bleeding can occur without warning symptoms, patients should be alert for the signs and symptoms of ulcerations and bleeding, and should ask for medical advice when observing any indicative sign or symptoms including epigastric pain, dyspepsia, melena, and hematemesis. Patients should be effects such as extoliative dermatitis, Stevens-Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN), which may result in hospitalizations and even death or the signs and symptoms serving serving skin side effects such as extoliative dermatitis, Stevens-Johnson Syndrome (SJS), and toxic epidermal necrolysis (TEN), which may result in hospitalizations and even death to the signs and symptoms of skin reactions may occur without warning, patients should be alert f reactions may occur without warning, patients should be alert for the signs and symptoms of skin rash and blisters, fever, or other signs of hypersensitivity such as itching, and should ask for medical rash and blisfers, fever, or other signs of hypersensitivity such as itching, and should ask for medical advice when observing any indicative signs or symptoms. Patients should be advised to stop the drug immediately if they develop any type of rash and contact their physicians as soon as possible. Patients should promptly report signs or symptoms of unexplained weight gain or edema to their physicians. Patients should be informed of the warning signs and symptoms of hepatotoxicity (e.g., nausea, fatigue, lethargy, pruritus, jaundice, right upper quadrant tenderness, and 'flu-like' symptoms). If these occur, patients should be instructed to stop therapy and seek immediate medical therapy. Patients should be informed of the signs of an anaphylactoid reaction (e.g., difficulty breathing, swelling of the face or throat). If these occur, patients should be instructed to seek immediate emergency help. In late pregnancy, the third trimester, as with other NSAIDs, etodolac should be avoided because it may cause premature closure of the ductus arteriosus. **Laboratory Tests** Because serious GI tract ulcerations and bleeding. Patients on long-term treatment with NSAIDs should monitor for signs or symptoms of GI bleeding. Patients on long-term treatment with NSAIDs should monitor for a d a chemistry profile checked periodically for signs or symptoms of anemia.

should have their CBC and a chemistry profile checked periodically for signs or symptoms of anemia. Appropriate measures should be taken in case such signs of anemia occur. If clinical signs and symptoms

Appropriate measures should be taken in case such signs or anemia occur. Ir clinical signs and symptoms consistent with liver or renal disease develop, systemic manifestations occur (e.g., eosinophilia, rash, etc.) or if abnormal liver tests persist or worsen, etcodolac should be discontinued. **Carcinogenesis, Mutagenesis, and Impairment of Fertility** No carcinogenic effect of etcodolac was observed in mice or rats receiving oral doses of 15 mg/kg/day (45 to 89 mg/m², respectively) or less for periods of 2 years or 18 months, respectively. Etcodolac was not mutagenic in in vitro tests performed with S. typhimurium and mouse lymphoma cells as well as in an in vivo mouse micronucleus test. However, data from the in vitro human peripheral wymphocyt-test observed no insorano is the number of onen (20 to 6 5 d?). unstrained respectively. in an in vivo mouse micronucleus test. However, data from the in vitro human peripheral lymphocyte test showed an increase in the number of gaps (3.0 to 5.3% unstained regions in the chromatid without dislocation) among the etodolac-treated cultures (50 to 200 µg/mL) compared to negative controls (2.0%); no other difference was noted between the controls and drug-treated groups. Etodolac showed no impairment of fertility in male and female rats up to oral doses of 16 mg/kg (94 mg/m²). However, reduced implantation of fertilized eggs occurred in the 8 mg/kg group.

NSAIDs, including etodolac, can lead to onset of new hypertension or worsening of pre-existing

Warnings: Hypertension NSAIDs, including etodolac, can lead to onset of new hypertension or worsening of pre-existing hypertension, either of which may contribute to the increased incidence of CV events. Patients taking thiazides or loop diurelics may have impaired response to these therapies when taking NSAIDs, including etodolac, should be used with caution in patients with hypertension. Blood pressure (BP) should be monitored closely during the initiation of NSAID treatment and throughout the course of therapy. *Congestive Heart Failure and Edema* Fluid retention and edema have been observed in some patients taking NSAIDs. Etodolac should be used with caution in patients with fluid retention or heart failure. *Gastrointestinal Effects - fisks of Ulceration*, Bleeding, and Perforation NSAIDs, including etodolac, can cause serious gastrointestinal (GI) adverse events including inflammation, bleeding, ulceration, and perforation of the stomach, small intestine or large intestine, which can be fatal. These serious adverse events can occur at any time, with or without warning symptoms, in patients treated with NSAIDs. Only one in five patients, who develop a serious upper GI adverse event on NSAID therapy, is symptomatic. Upper GI ulcers, gross bleeding, or perforation caused by NSAIDs occur in approximately 1% of patients treated for 3-6 months, and in about 2-4% of patients treated for one year. These trends continue with longer duration of use, increasing the likelihood of developing a serious GI event at some time during the course of therapy. However, even short-term therapy is not without risk. Physicians should inform patients about the signs and/or symptoms of serious GI toxicity and what steps to take if they occur. NSAIDs should be prescribed with wither of these risk factors. Other factors that increase the risk for GI bleeding, and who use NSAIDs have a greater than 10-fold increased risk for developing a GI bleed compared to patients treated with NSAIDs include concomitant use o SLE and mixed connective tissue disease) as these conditions may be exacerbated. SLE and mixed connective tissue disease: In patients with systemic lupus erythematous (SLE) and mixed connective tissue disorders there may be an increased risk of aseptic meningitis. Renal Effects Ionnetme

ns administration of NSAIDs has resulted in renal papillary necrosis and other renal injury. Long-term administration of NSAIDs has resulted in renal papillary necrosis and other renal injury. Renal toxicity has also been seen in patients in whom renal prostaigandins have a compensatory role in the maintenance of renal perfusion. In these patients, administration of a nonsteroidal anti-inflammatory drug may cause a dose-dependent reduction in prostaglandin formation and, secondry, in renal blood flow, which may precipitate over renal decompensation. Patients at greater risk of this reaction are those with impaired renal function, heart failure, liver dysfunction, those taking diuretics and ACE inhibitors, and the elderly. Discontinuation of NSAID therapy is usually followed by recovery to the pretreatment state.Renal pelvic transitional epithelial hyperplasia, a spontaneous change occurring with variable frequency, was observed with increased frequency in treated male rats in a 2-year chronic study.Caution is recommended in patients with preexisting kidney disease.

chronic study.Caution is recommended in patients with preexisting kidney disease. Advanced Fenal Disease No information is available from controlled clinical studies regarding the use of etodolac in patients with advanced renal disease. Therefore, treatment with etodolac is not recommended in these patients with advanced renal disease. If etodolac therapy must be initiated, close monitoring of the patient's renal function is advisable. *Anaphylocid Bearding*

Anaphylactoid Reactions As with other NSAIDS, anaphylactoid reactions may occur in patients without prior exposure to etodolac. Etodolac should not be given to patients with the aspirin triad. This symptom complex typically occurs in asthmatic patients who experience rhinitis with or without nasal polyps, or who exhibit severe, potentially fatal bronchospasm after taking aspirin or other NSAIDs. Fatal reactions have been reported in such patients. Emergency help should be sought in cases where an anaphy lactoid reaction occurs.

Respiratory disorders Caulion is required if etodolac is administered to patients suffering from, or with a previous history of, bronchial astimuta since NSAIDs have been reported to precipitate bronchospasm in such patients.

Skin meacuuits NSAIDs, including etodolac, can cause serious skin adverse events such as exfoliative dermatitis, SJS, and TEN, which can be fatal. These serious events may occur without warning. Patients should be informed about the signs and symptoms of serious skin manifestations and use of the drug should be discontinued at the first appearance of skin rash or any other sign of hypersensitivity.

Impaired female fertility The use of etodolac may impair female fertility and is not recommended in woman attempting to conceive. In women who have difficulties conceiving or who are undergoing investigation of Infertility, withdrawal of etodolac should be considered.

In late pregnancy, the third trimester, as with other NSAIDs, etodolac should be avoided because it nav cause premature closure of the ductus arteriosus

Paracetamol:

<u>Paracetamol:</u> Special Precautions and Warnings:-Should be taken with caution in patients with impaired liver and kidney function. The hazards of overdose are greater in those with non-cirrhotic alcoholic liver disease. Do not exceed the stated dose. Not to be given to children under 6 years, without medical advice. Dosage should not be continued for more than three days without consulting your doctor. If symptoms persist, consult your doctor. Do not take with any other paracetamol-containing products. Keep all medicines out of the reach of children. Immediate medical advice should be sought in the event of an overdose, even if you fee well. Immediate medical advice should be sought in the event of an overdose, even if you feel well because of the risk of delayed, serious liver damage

WARNING : TAKING MORE THAN DAILY DOSE MAY CAUSE SERIOUS LIVER DAMAGE OR ALLERGIC REACTIONS (E.G. SWELLING OF THE FACE, MOUTH AND THROAT, DIFFICULTY IN BREATHING, ITCHING OR RASH)

DRUG INTERACTIONS

ac: Since etodolac is extensively protein-bound, it may be necessary to modify the dosage of ACE-inhibitors : Reports suggest that NSAIDs may diminish the antihypertensive effect of ACE-inhibitors. This interaction should be given consideration in patients taking NSAIDs concomitantly with

E-inhibitors. acids . The concomitant administration of antacids has no apparent effect on the extent of orption of etodolac. However, antacids can decrease the peak concentration reached by 15% to

absorption of etodolac. However, antacids can decrease the peak concentration reached by 15% to 20% but have no detectable effect on the time-to-peak. Aspirin : When etodolac is administered with aspirin, its protein binding is reduced, although the clearance of free etodolac is not altered. The clinical significance of this interaction is not known; however, as with other NSAIDs, concomitant administration of etodolac and aspirin is not generally recommended because of the potential of increased adverse effects. *Cyclosporine, Digoxin, Methotexate* : Etodolac, like other NSAIDs, through effects on renal

ndins, may cause changes in the elimination of these drugs leading to elevated serum levels porine, digoxin, methotrexate, and increased toxicity. NSAIDs may exacerbate cardiar of cyclosporine, digoxin, metholrexate, and increased toxicity. NSAIDs may exacerbate cardiac failure, reduce GFR and increase plasma glycoside levels. Nephrotoxicity associated with cyclosporine may also be enhanced. Patients receiving these drugs who are given etodolac, or any other NSAID, and particularly those patients with altered renal function, should be observed for the development of the specific toxicities of these drugs. NSAIDs have been reported to competitively inhibit methotrexate accumulation in rabbit kidney slices. This may indicate that they could enhance the toxicity of methotrexate. Caution should be used when NSAIDs are administered concomitentially with methotrexate. *Duretics* : Etodolac has no apparent pharmacokinetic interaction when administered with furosemide or hydrochlorothiazide. Nevertheless, clinical studies, as well as postmarketing observations have shown that etodolac can reduce the natriuretic effect of furosemide and thiazides in some patients. This response has been attributed to inhibition of renal prostaglandin synthesis. During concomitant therapy with NSAIDs. have brould be used to report of visigns of renal failure, as well as to assure diuretic efficacy. Diuretics can increase the risk of nephrotoxicity of NSAIDs. *Glyburde* : Etodolac has no apparent pharmacokinetic interaction when administered with glyburide. *Lithium* : NSAIDs have produced an elevation of plasma lithium levels and a reduction in renal prostaglandin synthesis by the NSAID. Thus, when NSAIDs and lithium are administered concurrently, subjects should be observed carefully for signs of rena finitioned to investing prostaglandin synthesis by the NSAID. Thus, when NSAIDs and lithium are administered concurrently.

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receiving concomitant warfarin therapy. Anti-platelet agents and selective serotonin reuptake inhibitors (SSRIs) Increased risk of gastrointestinal bleeding. Tacrolimus : Possible increased risk of nephrotoxicity when NSAIDs are given with tacrolimus. Zidovudine : Increased risk of nephrotoxicity when NSAIDs are given with zidovudine. There is a evidence of an increased risk of haemarthroses and haemtoma in HIV(+) haemophilacs receiving concurrent treatment with zidovudine and ibuprofen. Bilirubin tests can give a false positive result due to the presence of phenolic metabolites of Etodolac in the urine. Milepristone: NSAIDs should not be used for 8-12 days after mifepristone administration as NSAIDs

can reduce the effect of mifepr

due to the presence of phenolic metabolites of etodolac. Diagnostic dip-stick methodology, used to detect ketone bodies in urine, has resulted in false-positive findings in some patients treated with etodolac. Generally, this phenomenon has not been associated with other clinically significant events. No dose relationship has been observed. Etodolac treatment is associated with a small decrease in serum uric acid levels. In clinical triats, mean decreases of 1 to 2 mg/dL were observed in arthritic patients receiving etodolac (600 mg to 1000 mg/day) after 4 weeks of therapy. These levels then remained stable for up to 1 year of therapy. **Paracetamol:** Cholestyramine : The speed of absorption of paracetamol is reduced by cholestyramine. Therefore, the cholestyramine is the total back within one hour if maximal analysis is required.

Cholestyramine : I he speed of absorption of paracetamol is reduced by cholestyramine. Ineretore, the cholestyramine should not be taken within one hour if maximal analgesia is required. Metoclopramide and Domperidone : The absorption of paracetamol is increased by metoclopramide and domperidone. However, concurrent use need not be avoided. Warrarin : The anticocagulant effect of warrarin and other coumarins may be enhanced by prolonged regular use of paracetamol with increased risk of bleeding; occasional doses have no significant effect. *Cholaramphenicol* : Increased plasma concentration of chloramphenicol. **ADVERSE EFFECTS**

Etodolac: In patients taking etodolac or other NSAIDs, the most frequently reported adverse experiences occurring in approximately 1-10% of patients are:

Elodolac: In patients taking etodolac or other NSAIDs, the most frequently reported adverse experiences occurring in approximately 1-10% of patients are: Gastrointestinal experiences including: abdominal pain, constipation, diarrhea, dyspepsia, flatulence, gross bleeding/perforation, heartburn, nausea, Gl ulcers (gastric/duodenal), vomiting, epigastric pain, indigestion, heart burn, ulcerative stomatitis, haematemesis, melaena, rectal bleeding, exacerbation of colitis, vasculitis, other events including: abnormal renal function, anemia, fatigue, weakness/malaise, dizziness, edema, elevated liver enzymes, headaches, increased bleeding time, pruritis, rashes, tinnitus, abnormal vision, pyrexia, drowsiness, bilirubinuria, hepatic function abnormalities, Crohr's disease. Renal: Nephrotoxicity in various forms, including interstitial nephritis, nephrotic syndrome and renal failure. Hepatic: abnormal liver function, hepatitis and jaundice Neurological and special senses: Visual disturbances, optic neuritis, headaches, paraethesia, reports of aseptic meningitis (especially in patients with existing auto-immune disorders, such as systemic lupus erythematous, mixed connective tissue disease), with symptoms such as stiff neck, headache, nausea, vomition, feature, angemaia.

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matological: Bullous reactions including Stevens Johnson Syndrome and Toxic Epidermal Dermatological: Sullous reactions including stevens Jonnson Syndrome and loxic Epidermai Necrolysis (very rare), photosensitivity. Adverse-reaction information for etodolac was derived from 2,629 arthritic patients treated with etodolac tablets in double-blind and open-label clinical trials of to 320 weeks in duration and worldwide postmarketing surveillance studies. In clinical trials, most adverse reactions were mild and transient. The discontinuation rate in controlled clinical trials, because of adverse events, was up to 10% for patients treated with etodolac. New patient complaints (with an incidence greater than or equal to 1%) are listed below by body system. The incidences were determined from clinical trials involving 465 patients with osteoarthritis treated with 300 to 500 mg of

etodolac b.i.d. (i.e., 600 to 1000 mg/day). Incidence Greater Than or Equal To 1%-Probably Causally Related

Inclonce Greater I nan of Equal to Tre-Fround Gaugenty Territory Body as a whole-Chilis and fever. Digestive system - Dyspepsia (10%), abdominal pain*, diarrhea*, flatulence*, nausea*, constipation, gastritis, melena, vomiting Nervous system-Asthenia/malaise*, dizziness*, depression, nervousness, paraesthesia Skin and appendages-Pruritus, rash Special senses-Blurred vision, tinnitus

Special senses-Blurred vision, tinnitus Urogenital system-Dysuria, urinary frequency "Drug-related patient complaints occurring in 3 to 9% of patients treated with etodolac. Drug-related patient-complaints occurring in fewer than 3%, but more than 1%, are unmarked. Incidence Less Than 1%-Probably Causally Related (Adverse reactions reported only in worldwide postmarketing experience, not seen in clinical trials, are considered rarer and are italicized.) Body as a whole-Allergic reaction, anaphylactic/anaphylactoid reactions (including shock) Cardiovascular system-Hypertension, congestive heart failure, cardiac failure, arterial thrombotic events (myocardial infarction or stroke), oedema, flushing, palpitations, syncope, vasculitis (including necrostizing and allergic)

evenis (myocardial infarction or stroke), oedema, nusning, papitations, syncope, vascullus (including necrotizing and allergic), Digestive system-Thirst, dry mouth, ulcerative stomatilis, anorexia, eructation, elevated liver enzymes, cholestatic hepatitis, hepatitis, cholestatic jaundice, duodenitis, jaundice, hepatic failure, liver necrosis, peptic ulcer with or without bleeding and/or perforation, intestinal ulceration, pancreatitis. *Hemic and lymphatic system*-Ecchymosis, anemia, thrombocytopenia, bleeding time increased, agranulocytosis, hemolytic anemia, leukopenia, neutropenia, pancytopenia Metabolic and nutritional-Edema, serum creatinine increase, hyperglycemia in previously controlled disbetionethema.

diabetic pati

diabetic patients *Nervous system*-Insomnia, somnolence *Respiratory system*-Asthma, aggravated asthma, bronchospasm, pulmonary infiltration with eosinophilia *Skin and appendages*- Angioedema, sweating, urticaria, purpurea, exfoliative and bullous dematoses, vesiculobulous rash, cutaneous vasculitis with purpura, Stevens-Johnson Syndrome, toxic epidermal necrolysis, hyperpigmentation, erythema multiforme. *Special senses*- Photophobia, transient visual disturbances. *Urogenital system*- Elevated BUN, renal failure, renal insufficiency, renal papillary necrosis. Incidence Less Than 1%-Causal Relationship Unknown (Medical events occurring under circumstances where causal relationship to etodolac is uncertain, these reactions are listed as alerting information for physicians.)

Body as a whole- Infection, headache

Cardiovascular system-Arrhythmias, myocardial infarction, cerebrovascular accident Digestive system-Esophagitis with or without stricture or cardiospasm, colitis Metabolic and nutritional-Change in weight Nervous system-Paresthensia, confusion

Nervous system-Paresthesia, confusion[®] Respiratory system- Bronchitis, dyspnea, pharyngitis, rhinitis, sinusitis Skin and appendages- Alopecia, maculopapular rash, photosensitivity, skin peeling Special senses- Conjunctivitis, deafness, taste perversion Urogenital system- Cystik, hematuria, leukorrhea, renal calculus, interstitial nephritis, uterine bleeding rregularities Additional Adverse Reactions Reported with NSAIDS

Body as a whole-Sepsis, death Cardiovascular system-Tachycardia Digestive system-Gastric ulcers, gastribis, gastrointestinal bleeding, glossitis, hematemesis Hemic and lymphatic system-Lymphadenopathy Nervous system-Anxiety, dream abnormalities, convulsions, coma, hallucinations, meningitis, tremors, vertigo

piratory system- Respiratory depression, pneumonia

Urogenital system- Oliguria/polyuria, proteinuria

Adverse effects are usually mild and may include skin rashes and other allergic reactions occasionally. Very rarely there have been reports of blood dyscrasias including thrombocytopenia, methaemoglo-benaemia and agranulocytosis, but these were not necessarily causally related to paracetamol. **OVERDOSAGE**

(a) Symptoms

(a) symptoms include headache, nausea, vomiting, epigastric pain, gastrointaestinal bleeding, rarely diarrhoea, disorientation, excitation, coma, drowsiness, dizziness, tinnitus, fainting, occasionally convulsions. In cases of significant poisoning acute renal failure and liver damage are possible. (b) Therapeutic measure Patients should be treated symptomatically as required.

Patients should be treated symptomatically as required. Within one hour of ingestion of a potentially toxic amount, activated charcoal should be considered. Alternatively, in adults, gastric lavage should be considered within one hour of indigestion of a potentially lifethreatening overdose. Good urine output should be ensured. Renal and liver function should be closely montored. Patients should be observed for at least four hours after ingestion of Detentially toxic amounts Frequent or prolonged convulsions should be treated with intravenous diazepam. Other measures may be indicated by the patient's clinical condition. The standard practices of gastric lavage, activated charcoal administration and general supportive therapy should be undertaken. Paracetamol

iver damage is possible in adults who have taken 10g or more of paracetamol. Ingestion of 5 or nore of paracetamol may lead to liver damage if the patient has risk factors.

more of paracetamol may lead to liver damage if the patient has risk factors. Risk Factors: If the patient: a) Is on long term treatment with carbamazepine, phenobarbitone, phenytoin, primidone, rifampicin, St John's Wort or other drugs that induce liver enzymes. b) Regularly consumes ethanol in excess of recommended amounts. c) Is likely to be glutathione deplete e.g. eating disorders, cystic fibrosis, HIV infection, starvation, cachexia. Summthme

symptoms of paracetamol overdosage in the first 24 hours are pallor, nausea, vomiting, anorexia and abdominal pain. Liver damage may become apparent 12 to 48 hours after ingestion. Abnormalitie glucose metabolism and metabolic acidosis may occur. In severe poisoning, hepatic failure may progr

success instances in an interaction accurate in a vocan in severe poisoning, nepatic failure half plogtess to encephalopathy, haemorrhage, hypoglycaemia, cerebral oedema, and death. Acute renal failure with acute lubular necrosis, strongly suggested by loin pain, haematuria and proteinuria, may develop even in the absence of severe liver damage. Cardiac arrhythmias and pancreatitis have been reported.

The absence of severe liver carriage. Carcine anny prince and prin

DOSAGE AND ADMINISTRATION Carefully consider the potential benefits and risks of etodolac tablets and other treatment options before deciding to use etodolac tablets. Use the lowest effective dose for the shortest duration consistent with individual patient treatment goals. After observing the response to initial therapy with etodolac tablets, the dose and frequency should be adjusted to suit an individual patient's needs. Dosage adjustment of etodolac tablets is generally not required in patients with mild to moderate renal impairment. Etodolac tablets should be used with caution in such patients, because, as with other NSAIDs, they may further decrease renal function in some patients with impaired renal function. 1 tablet 2 to 3 times daily depending on patient's requirement for analgesia. It can be taken preferably with or after food. The maximum dose of Toldin P should not be exceeded the individual components maximal dose. SPECIAL POPULATION Pregnancy

SPECIAL POPULATION Pregnancy Teratogenic Effects-Pregnancy Category C In teratology studies, isolated occurrences of alterations in limb development were found and included polydacityl, oligodacityl, syndacityl, and unossified phalanges in rats and oligodacityl and synostosis of metatarsals in rabbits. These were observed at dose levels (2 to 14 mg/kg/day) close to human clinical doses. However, the frequency and the dosage group distribution of these findings in initial or repeated studies did not establish a clear drug or dose-response relationship. Animal reproduction studies are not always predictive of human response. There are no adequate and well-controlled studies in pregnant women. Etodolac should be used in pregnancy only if the potential benefit justifies the potential risk to the fetus. Nonteratogenic Effects Congenital abnormalities have been reported in association with NSAID administration in man; hwwwer, these are low in frequency and do not appear to follow any discernible pattern. Etodolac

Defining usines we potential the potential terms of the potential abnormalities have been reported in association with NSAID administration in man; however, these are low in frequency and do not appear to follow any discernible pattern. Etodolac should be used during pregnancy only if the potential benefits justify the potential risk to the fetus. Because of the known effects of nonsteroidal anti-inflammatory drugs on the fetal cardiovascular system (closure of the ductus arteriosus), use during pregnancy (particularly during the third trimester) should be avoided. Labor and Delivery In rat studies with NSAIDs, as with other drugs known to inhibit prostaglandin synthesis, an increased incidence of dystocia, delayed parturition, and decreased pup survival occurred. The effects of etodolac on labor and delivery in pregnant women are unknown.

Nursing Mothers It is not known whether etodolac is excreted in human milk. Because many drugs are excreted in the substantial for portions adverse reactions in nursing infants from human milk and because of the potential for serious adverse reactions in nursing infants from etodolac, a decision should be made whether to discontinue nursing or to discontinue the drug taking into account the importance of the drug to the mother. *Pediatric Use*

fetv and effectiveness in pediatric patients below the age of 18 years have not been established.

Geriatric Use As with any NSAID, caution should be exercised in treating the elderly (65 years and older) and when As with any NSAID, caution should be exercised in treating the elderly (65 years and older) and when increasing the dose. In etodolac clinical studies, no overall differences in safety or effectiveness were observed between these patients and younger patients. In pharmacokinetic studies, age was shown not to have any effect on etodolac half-life or protein binding, and there was no change in expected drug accumulation. Therefore, no dosage adjustment is generally necessary in the elderly on the basis of pharmacokinetics. Elderly patients may be more sensitive to the antiprostaglandin effects of NSAIDs (on the gastrointestinal tract and kidneys) than younger. In particular, elderly or debilitated patients who receive NSAID therapy seem to loaret gastrointestinal ulceration or bleeding less well than other individuals, and most spontaneous reports of fatal GI events are in this population. Etodolac is eliminated primarily by the kidney. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection, and it may be useful to monitor renal function.

Paracetamol Pregnancy and lactation

Pregnancy and lactation Epidemiological studies in human pregnancy have shown no ill effects due to paracetamol used in the recommended dosage, but patients should follow the advice of the doctor regarding its use. Paracetamol is excreted in breast milk but not in a clinically significant amount. Available published ta do not contraindicate breast feeding.

EXPIRY DATE

EXPIRY DATE Do not use later than date of expiry STORAGE Store below 30°C, protected from light & moisture. Keep out of reach of children. PRESENTATION TOLDIN P is available as blister strips of 10 tablets.

torrent

FORRENT PHARMACEUTICALS LTD. ndrad-382 721, Dist. Mehsana, IND

Manufactured by :

Manufactured by : Ravenbhel Healthcare Pvt. Ltd. 16-17, EPIP, SIDCO, Kartholi, Bari Brahmana, Jammu - 181 133.