# **PRODUCT INFORMATION** PARECOXB parecoxib (as sodium)

NAME OF THE MEDICINE

PARECOXB parecoxib (as sodium) 40 mg powder for solution for injection. The following structural formula of parecoxib sodium is shown below:



Chemical name: N-[[4-(5-methyl-3-phenyl-4 isoxazolyl) phenyl]sulfonyl] Chemical name: N-[14-(0-methyl-propanamide, sodium salt Molecular formula: C<sub>19</sub>H<sub>17</sub>N<sub>2</sub>O<sub>4</sub>SNa Molecular weight: 392.41 CAS number: 198470-85-8

DESCRIPTION

Parecoxits backfull is a white to off-white solid that is very soluble in water. The formulated drug product is soluble in normal (0.9%) saline at >50 mg/mL. Powder for Injection and Powder and Diluent for Injection

PARECOX8 injection is a white to diwhite, preservative-free, lyophilised powder in a single-use vial. For intravenous (IV) or intramuscular (IM) administration, PARECOX8 injection should be reconstituted with 2 mL sodium chloride solution (0.9% wiv), or a suitable alternative (see DOSAGE AND ADMINISTRATION). Beanerthilud 6 boltica.

Reconstituted Solution The reconstituted solution is clear and colourless The reco

PARECOXB Injection 40 mg contains parecoxib sodium, sodium phosphate-dibasic anhydrous, phosphoric acid and/or sodium hydroxide may have been added to adjust pH. When reconstituted in sodium chioride solution (0.9% wiv), PARECOXB Injection contains approximately 0.44 mEq of sodium per 40 mg vial.

PHARMACOLOGY

### Pharmacodynamics

Pharmacodynamics Following injection, parecoxib sodium is rapidly converted to valdecoxib: the *in vivo* pharmacology of parecoxib is therefore that of valdecoxib. The mechanism of action of valdecoxib is by inihibition of cyclooxygenase-2 (COX-2)-mediated prostaglandin synthesis. At therapeutic plasma concentrations in humans, valdecoxib des and inhibit cyclooxygenase-1 (COX-1). In animal models, valdecoxib is anti-inflammatory, sic, and antipyretic

By inhibition of both peripheral and central COX-2, valdecoxib reduces the production Dynamiator of conspiration and constrained covery, value could reduce an important of prostaglandins that are important mediators of pain and inflammation. Therefore, PARECOXB Injection is not expected to exhibit the potential for dependence, sedation or respiratory depression seen with opioid analgesic agents.

# Pharmacokinetics

Following IV or IM injection, parecoxib is rapidly converted to valdecoxib, the pharmacologically active substance, by enzymatic hydrolysis in the liver.

Absorption Follow ing IV or IM injection, parecoxib sodium is rapidly and essentially comple converted to valdecoxib. Experience of a solution is replay and essentially competed converted to valdecoxib. Experience (addecoxib following injection of parecoxib sodium is approximately linear in the dosage range of clinical doses. Steady state

sodium is approximately linear in the dosage range of clinical doses. Steady state was reached within 4 days with BO dosing. Following single IV and IM doses of parecoxib sodium 20 mg, C<sub>ma</sub> of valdecoxib is achieved in approximately 30 minutes and approximately 1 hour, respectively. Exposure to valdecoxib was similar in terms of AUC and C<sub>me</sub> following IV and IM administration. Exposure to parecoxib ater state and the dosing was lower compared to bolus IV dosing, which is attributed to slower extravascular absorption after IM administration. These decreases were not considered clinically important since C<sub>max</sub>.

Distribution The volume of distribution of valdecoxib after its IV administration is approximately 55 L. Plasma protein binding is about 98% over the concentration range (0.21 – 2.38 mcg/mL) achieved with the highest recommended dose 80 mg/day. Valdecoxib, but not parecoxib, is extensively partitioned into erythrocytes.

Metabolism Parecoxib is rapidly and almost completely converted to valdecoxib *in vivo* with a plasma half-life of approximately 22 minutes. The rate of conversion of parecoxib to valdecoxib is not affected in patients with mild to moderate hepatic impairment. Elimination of valdecoxib is by extensive hepatic metabolism involving multiple patiways. The cytochrome P-450 (CYP-450) dependent patiway leads to glucuronide conjugates of the sulfonamide moleity. One active minor metabolite (a hydroxylated form via the CYP-450 patiway) of valdecoxib has been identified in human plasma at approximately 10% the concentration of valdecoxib. It also undergoes extensive metabolism, with r5% of the dose excreted in the unit near and faces. Because of its minor presence, this relabilite is not expected to contribute a significant clinical effect after administration of brarepoutic doses of parecoxib sodium Evoretion

### Excretion

Following conversion from parecoxib, valdecoxib is eliminated via hepatic metab Volumity durinestan non paracouxi, reasocutor is enimitate or a replace metazolaria with 55% of the dose excreted unchanged in the urine. No unchanged parecoxito is detected in urine and only a trace amount in faeces. About 70% of the dose is excreted in the urine as inactive metabolics. The elimination half-life (T12) or valaccoxito hater IV or IM dosing of parecoxito sodium is about 8 hours. Plasma clearance (CLp) for valdecoxib is about 6 L/hr. In patients undergoing haemodialysis the CLp of valdec was similar to the CLp found in healthy subjects.

Special Populations Elderly (>65 years)

Parecoxib sodium Injection has been administered to 335 elderly patients (65-96 years of age) in pharmacokinetic and therapeutic trials. In healthy elderly subjects, the apparent oral clearance of valdecoxib as reduced, resulting in an approximately 40% higher plasma exposure of valdecoxib compared to healthy young subjects. When adjusted for body weight, steady-state plasma exposure of valdecoxib was 16% higher in elderly females compared to elderly males.

Children and Adolescents Parecoxib sodium Injection has not been investigated in paediatric patients under 18 years of age.

Race Pharmacokinetic differences due to race have not been identified in clinical and pharmacokinetic studies conducted to date.

Renal Impairment

In patients with varying degrees of renal impairment administered 20 mg IV parecoxib, parecoxib was rapidly cleared from plasma. Because renal elimination of valdecoxib is not important to its disposition, no changes in valdecoxib clearance were found even in patients with severe renal impairment or in patients undergoing dialysis.

Particle min ochec entry and particular of in particular display display. Hepatic Impairment Moderate hepatic impairment did not result in a reduced rate or extent of parecoxib conversion to valdecoxib. In patients with moderate hepatic impairment (Child-Pugh score 7-9), treatment should be initiated with half the usual recommended dose of parecoxib and the maximum daily dose should be reduced to 40 mg since valdecoxib exposures were more than doubled (150%) in these patients. Patients with severe hepatic impairment have not been studied and therefore, the use of parecoxib in patients with severe hepatic impairment is not recommended.

### INDICATIONS

Management of post-operative pain in the immediate post-operative setting only with the exception of patients undergoing coronary artery bypass grating (CABG) procedures and in those patients with elevated cardiovascular risk, such as those with congestive heart failure (NYHA II-IV), established ischaemic heart disease and/ or cerebrovascular disease.

## CONTRAINDICATIONS

Because of the possibility for increased adverse reactions at higher doses of parecoxib, other COX-2 inhibitors and NSAIDs, patients treated with parecoxib should be reviewed following dose increase and, in the assence of an increase in efficacy, other therapeutic options should be considered. There is limited clinical experience with Parecoxib injection treatment beyond three days. If, during treatment, patients deteriorate in any of the organ system functions described below, appropriate measures should be taken and discontinuation of parecoxib therapy should be considered. This medicinal product contains less than 1 mmol sodium (23 mg) per dose, and is therefore considered essentially 'sodium-free'.

Cardiovascular COX-2 inhibitors have been associated with increased risk of cardiov thrombolic adverse events when taken long term. The exact magnitude of the risk associated with a single dose has not been determined, nor has the exact duration of therapy associated with increased risk.

its with significant risk factors for cardiovascular events (e.g. h hyperlipidaemia, diabetes mellitus, smoking) should only be treat ed with parecoxib after careful consideration

priate measures should be taken and discontinuation of parecoxib therapy Appro should be considered if there is clinical evidence of deterioration in the condition of specific clinical symptoms in these patients. Parecoxib Injection has not been studied specific united symptoms in these potentias. Farecoal injection has not been sourced in cardiovascular revascularization procedures other than coronary artery bypass graft (CABG) procedures. Studies in types of surgery other than CABC procedures included patients with American Society of Anaesthesiology (ASA) Physical Status Class I-III only.

patients with American Society of Anaesthesiology (ASA) Physical Status Class HI tonly. Acetylsalicyclic acid and other NSAIDs COX-2 inhibitors are not a substitute for acetylsalicytic acid for prophylaxis of cardiovascular thrombo-embolic diseases because of their lack of antiplatelet effects. Therefore, antiplatelet therapies should not be discontinued. Caution should be exercised when co-administering Parecoxib Injection with wafrain and other oral anticoagulants. The concomitant use of parecoxib nicicon with wafrain and other oral NSAIDs should be avoided. Parecoxib Injection may mask fever and other signs of inflammation. In isolated cases, an aggravation of soft tissue infections has been described in connection with the use of NSAIDs and in nonclinical studies with Parecoxib Injection. Caution should be exercised with respect to monitoring the incision for signs of inflection in surgical patients receiving Parecoxib Injection.

### Gastrointestinal

Upper gastrointestinal (GI) complications (perforations, ulcers or bleedings [PUBs]), Upper gastrointestinal (GI) complications (perforations, uclers or bleedings [PUBs]), some of them resulting in fatal outcome, have occurred in patients treated with parecoxib. Caution is advised in the treatment of patients most at risk of developing a gastrointestinal complication with NSAIDs; the elderly, or patients with a prior history of gastrointestinal disease, such as ucleration and GI bleeding, or patients using acetysalicylic acid concomitanity. The NSAIDs class is also associated with increases GI complications when coadministered with glucocorticols, selective serotomin reuptake inhibitors, other antiplatelet drugs, other NSAIDs or patients ingesting alcohol. There is further increase in the risk of gastrointestinal adverse effects (gastrointestinal ulceration or other gastrointestinal complications), when parecoxob is taken concomitantly with acetylsalicylic acid (even at low doses).

### Skin Reactions

Serious skin reactions, including erythema multiforme, exfoliative dermattis and Stevens-Johnson syndrome (some of them fatal) have been reported through post-marketing surveillance in patients receiving pareoxib. Additionally, fatal reports of toxic epidermal necrolysis have been reported through post-marketing surveillance in patients receiving valdecosib (in early reported whole) post-markening derivatione in patients receiving valdecosib (in early remetabolite of parecoxib) and cannot be ruled out for parecoxib. DRESS syndrome may occur with parecoxib exposure based on other serious skin reactions reported with celecoxib and valdecoxib exposure.

Patients appear to be at highest risk for these reactions early in the course of therapy; the onset of the reaction occurring in the majority of cases within the first month of treatment.

of treatment. Appropriate measures should be taken by physicians to monitor for any serious skin reactions with therapy, e.g. additional patient consultations. Patients should be advised to immediately report any emergent skin condition to their physician. Pareacxib should be discontinued at the first appearance of skin meak, mucosal lesions, or any other sign of hypersensitivity. Serious skin reactions are known to occur with NSADb including COX-2 selective inhibitors as well as other medicinal products. However, the reported rate of serious skin events appears to be grateent for valdecoxib (the active metabolite of pareoxib) as compared to other COX-2 selective inhibitors. Patients without a history of sulfonamide allergy may be at greater risk of skin reactions. Patients without a history of sulfonamide allergy may also be at risk for serious skin reactions.

Hypersensitivity Hypersensitivity <u>typersensitivity</u> Hypersensitivity reactions (anaphylaxis and angioedema) have been reported in post-marketing experience with valdecoxib and parecoxib. Some of these reactions have occurred in patients with a history of allergic-type reactions to sulfonamides. Parecoxib should be discontinued at the first sign of hypersensitivity.

Cases of severe hypotension shortly following parecoxib administration have been reported in post-marketing experience with parecoxib. Some of these cases have occurred without other signs of anaphylaxis. The physician should be prepared to treat severe hypotensio

treat severe hypotension. <u>Fluid retention, cedema, renal</u> As with ofter medicinal products known to inhibit prostaglandin synthesis, fluid retention and cedema have been observed in some patients taking parecoxib. Therefore, parecoxib should be used with caution in patients with compromised cardiac function, proversiting observations of the conditions predisposing to, or worsened by, fluid retention including those taking diuretic treatment or otherwise at risk of hypovolemia. If there is clinical evidence of deterioration in the condition of threes patients, appropriate measures including discontinuation of parecoxib should be taken. Acute renal failure has been reported through post-marketing surveillance in patients receiving parecoxib. Since prostaglandin synthesis inhibition may result in deterioration of renal function and fluid retention, caution should be observed when administering Parecoxib hijection in patients with impaired renal function or hypertension, or in patients with compresside cardiac or hepatic function or other conditions predisory in Julia retention.

conditions predisp osing to fluid retention

Caution should be used when initiating treatment with Parecoxib Injection in patients with dehydration. In this case, it is advisable to rehydrate patients first and then start therapy with Parecoxib Injection

Hypertension As with all NSAIDs, parecoxib can lead to the onset of new hypertension or worsening of pre-existing hypertension, either of which may contribute to the increased incidence of cardiovascular events. Parecoxib should be used with caution in patients with hypertension. Blood pressure should be monitored closely during the initiation of therapy with parecoxib and throughout the course of therapy. It blood pressure rises significantly alternative treatment should be considered.

# Hepatic impairment

n should be used with caution in patients with moderate hepatic impairment (Child-Pugh score 7-9)

<u>Use with oral anticoagulants</u> The concomitant use of NSAIDs with oral anticoagulants increases the risk of bleeding. Oral anticoagulants include warfarin/cournarin-type and novel oral anticoagulants (e.g. apixaban, dabigatran, and rivaroxaban).

WARNING

WARNING Risk of GI Ulceration, Bleeding and Perforation with NSAID Serious GI toxicity such as bleeding, ulceration and perforation can occur at any time, with or without warning symptoms, in patients treated with NSAID therapy. Although miror upper GI problems (e.g. dyspepsia) are common, usually developing early in therapy, prescribers should remain alert for ulceration and bleeding in patients treated with NSAIDs even in the absence of previous GI trad symptoms. Studies to date have not identified any subset of patients not at risk of developing peptic ulceration and bleeding. Patients with prior history of serious GI erates associated with peptic ulcer disease (e.g. alcoholism, smoking, and orthor risk factors associated with peptic ulceration or bleeding less than other individuals and account for most spontaneous reports for fatal GI events.

als and account for most sp taneous reports for fatal GI ev

Effects on Ability to Drive and Use Machines The effect of Parecoxib sodium Injection on ability to drive or use machinery has not been studied. However, patients who experience dizziness, vertigo or somnolence after receiving PARECOXB Injection should refrain from driving or operating machinery.

### INTERACTIONS WITH OTHER MEDICINES

Pharmacodynamic interactions Anticoagulant therapy should be monitored, particularly during the first few days after

initiating

- undergoing CABG or other major vascular surgery. with unstable or significant established ischaemic heart disease, peripheral arterial disease and/or cerebrovascular disease. • with u
- with known hypersensitivity to parecoxib sodium, valdecoxib or to any other ingredient of the product.
- who have experienced asthma, urticaria, or allergic-type reactions after taking aspirin, NSAIDs or other COX-2 specific inhibitors. Severe, rarely fatal, hylactoid-like reactions to PARECOXB Injection are possible in such nts (see PRECAUTIONS, Anaphylactoid Reactions and Pre-existing Asthma
- who have demonstrated allergic-type reactions to sulfonamides (see PRECAUTIONS. Serious Skin Reactions).
- with severe hepatic impairment (Child-Pugh score ≥10; see PHARMACOLOGY and DOSAGE AND ADMINISTRATION

### WARNINGS AND PRECAUTIONS

WARNINGS AND PRECAUTIONS The decision to prescribe a selective COX-2 inhibitor should be based on an assessment of the individual patient's overall risks (see CONTRAINDICATIONS). Parecoxob Injection has been studied in dental, orthopaedic, gynaecologic (principally hysterectomy) and coronary artery bypass graft surgery. There is limited experience in other types of surgery, for example gastrointestinal or urological surgery ion other than IV or IM (e.g. intra-articular, intrathecal) have Modes of administration other than IV o not been studied and should not be used.

Antocogulant therapy should be monitored, particularly during the first two days after initiating Parecoxb Injection therapy in patients receiving warfarin or other anticoagulants, since these patients have an increased risk of bleeding complications. Therefore, patients receiving oral anticoagulants should be closely monitored for their prothombin time INR, particularly in the first few days when therapy with parecoxb is initiated or the dose of parecoxb is changed (see section on Warning and Precautions). Parecoxb injection had no effect on acetylasilicylic acid-metiated initibition of platelet aggregation or bleeding times. In the submitted studies, as with other NSADB, an increased risk of gastrointestinal ulceration or other gastrointestinal complications compared to use of patiencoxb alone was shown for concomitant administration of low-close acetylasic(ic acid. Co-administration of parecoxb and heparin did not affect the pharmacodynamics of heparin (acidwated partial thrombogalisti time) compared to heparin alone. Inhibition of prostaglandins by NSAIDs, including COX-2 inhibitors, may diminish the effect of angiotensin converting enzyme (ACE) inhibitors, angiotensin II antagonists, beta-blockers and diuretics. This interaction should be given consideration in patients receiving parecoxic concomitantly with ACE-inhibitors, angiotensin II antagonists, beta-blockers and diuretics.

In patients who are elderly, volume-depleted (including those on diuretic therapy), or with compromised renal function, co-administration of NSAIDs, including selective COX-2 inhibitors, with ACE inhibitors or Angiotensin-II antagonists, may result in further se on diuretic therapy), or deterioration of renal function, including possible acute renal failure. These effects are usually reversible.

Therefore, the concomitant administration of these drugs should be done with caution. Patients should be adequately hydrated and the need to monitor the renal function should be assessed at the beginning of the concomitant treatment and periodically thereafter. Co-administration of NSAIDs and ciclosporin or tacrolimus has been suggested to

# PARECOXB Leaflet Malaysia

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increase the nephrotoxic effect of ciclosporin and tacrolimus because of NSAID effects on renal prostaglandins. Renal function should be monitored when parecoxib and any of these medicinal products are coadministered. Parecoxib Injection may be co-administered with opioid analgesics.

Effects of other medicinal products on the pharmacokinetics of parecoxib (or its active

metabolite valdecoxib) Parecoxib is rapidly hydrolysed to the active metabolite valdecoxib. In humans demonstrated that valdecoxib metabolism is predominantly mediated via CYP via CYP3A4 and

demonstrated that valuecoxib interactions are provided by the second sec

anny nar the cose of parecosts should be reduced in those patients with luconazole therapy. re (AUC and C\_) to valdecoxib was increased (38% and 24%, respectively) istered with keloconazole (CYP3A4 inhibitor), however, a dosage adjustment

Fisune explosite (rull c int o \_\_\_\_) to valuesculo mas in cleased (u or a nu z + m, respectivery) when co-administered with kelocococie (U/P3A4 hhibitor), however, a dosga edustment should not generally be necessary for patients receiving keloconazole. The effect of enzyme induction has not been studied. The metabolism of valdecoxiti may increase when co-administered with enzyme inducers such as rifampicin, then their metamoral means with enzyme.

phenytoin, carbamazepine or dexamethasone Effect of parecoxib (or its active metabolite valdecoxib) on the pharmacokinetics of other

Effect of parecosib (or its active metabolite valdecoxib) on the pharmacokinetics of other medicinal products
Treatment with valdecoxib (40 mg twice daily for 7 days) produced a 3-fold increase in plasma concentrations of destromethorphan (CYP2D6 substrate). Therefore, caution should be observed when co-administering Parecoxib lijection and medicinal products that are predominantly metabolised by CYP2D6 and which have narrow therapeutic margins (e.g. flexindle, propatence, metoprolo). Plasma exposure of omeprazole (CYP 2C19 substrate) 40 mg once daily was increased by 46% following administration of valdecoxib 40 mg wice daily for 7 days, while the plasma exposure to valdecoxib was unaffected. These results indicate that although valdecoxib is not metabolised by CYP2C19, it may be an inhibitor of this issenzyme. Therefore, caution should be observed when administering Parecoxib Injection with medicinal products known to be substrates of CYP2C19 (e.g. phenytoin, diazepam, or impramie).

n two pharr stable wer or impramine). In two pharmacokinetic interaction studies in rheumatoid arthritis patients receiving a stable weekly methotrexate dose (5-20 mg/week, as a single oral or intramuscular dose), orally administered valdecoxib (10 mg twice daily or 40 mg twice daily) had tilled or no effect on the staedy-state plasma concentrations of methotrexate. However, caution is advised when methotrexate is administered concurrently with NSAIDs, because NSAID administration may result in increased plasma levels of methotrexate Adequate monitoring of methotrexate-related toxicity should be considered when co administering parecoxib and methotrexate.

Co-administration of valdecoxib and lithium produced significant decreases in lithium serum clearance (25%) and renal clearance (30%) with a 34% higher serum exposure

compared to film alone. Lithium serum concentration should be monitored closely when initiating or changing parecoxib therapy in patients receiving lithium. Co-administration of valdecoxib with glibenclamide (CYP3A4 substrate) did not affect either the pharmacokinetics (exposure) or the pharmacodynamics (blood glucose and

insulin levels) of glibenclamide

Insum revers) or glueinclamore. Injectable anaesthetics Coadministration of IV parecosib 40 mg with propofol (CYP2C9 substrate) or midazolam (CYP3A4 substrate) did not affect either the pharmacokinetics (metabolism and exposure) or the pharmacodynamics (EEG effects, psychomotor tests and waking from sedation) of IV propofol or IV midazolam. Additionally, coadministration of valdecoxib han o clinically significant effect on the hepatic or intestinal CYP 3A4-mediated metabolism of orally administered midazolam. Administration of IV parecoxib 40 mg had no significant effect on the pharmacokinetics of either IV fentanyl or IV alfentanil (CYP3A4 substrates).

Inhalation anaesthetics

No formal interaction studies have been done. In surgery studies in which parecoxib No formal instances actions have been concerned by a subject which parecoses was administered pre-operatively, no evidence of pharmacodynamic interaction was observed in patients receiving parecoxib and the inhalation anaesthetic agents nitrous oxide and isoflurane (see Pharmacodynamic properties).

## Fertility, Pregnancy and Lactation

Pregnancy: Parecoxib sodium is suspected to cause serious birth defects when administly during the last trimester of pregnancy because as with other medicinal products kn to inhibit prostaglandin, it may cause premature closure of the ductus arteriosu sterios inertia

uterine inertia NSAID use during the second or third trimester of pregnancy may cause foetal ren dysfunction which may result in reduction of armiotic fluid volume or oligohydrannios severe cases. Such effects may occur shortly after treatment initiation and are usual reversible. Pregnant women on NSAIDs should be closely monitored for ammiotic flu tic fluid

volume. Parescoki is contraindicated in the third trimester of pregnancy. There are no adequate data from the use of parecoxib sodium in pregnant womer or during labour. However, inhibition of prostaglandin synthesis might adversely affec pregnancy. During the first and second trimester of pregnancy. Parecoxib Injection should not be given unless clearly necessary.

### Lactation:

Parecoxib and its active metabolite are excreted in the milk of lactating rats Pateroxoka and its active metabolie are excerted in ture mink of lacating ratis. Administration of a single dose of parecoxis to lacating women resulted in the transfer of a relatively small amount of parecoxis to lacating women resulted in the transfer distribution of the second of the software shows and the weight-adjusted maternal dose). Because of the potential for adverse reactions in nursing infrants from parecoxib, a decision should be made whether to discontinue nursing rot discontinue the drug, taking into account the importance of the drug to the mother.

<u>Fertility:</u> The use of parecoxib, as with any medicinal product known to inhibit cyclooxygena: renderlandin synthesis. is not recommended in women attempting to conceive. ADVERSE EFFECTS

Events occurring ≥10% - Very commo Gastrointestinal disorders: nausea

- Events occurring ≥1% and <10% Common Gastrointestinal disorders: abdominal pain, constipation, dyspepsia, vomiting General disorders and administration sile conditions: edema peripheral Infections and infestations: elveolar ostelitis (dry socket)
- Nervous system disorders: dizziness
- Psychiatric disorders: insomnia

Renal and urinary disorders: oliguria

Skin and subcutaneous tissue disorders: sweating increased, pruritus Vascular disorders: hypotension

Events occurring  ${\geq}0.5\%$  and  ${<}1\%$  - Uncommon Gastrointestinal disorders: mouth dry, flatulence

Musculoskeletal and connective tissue disorders: back pain Cardiac disorders: bradycardia

Infections and infestations: pharyngitis

Skin and subcutaneous tissue disorders: rash

Vascular disorders: hypertension

Events occurring <0.5% - Rare Cardiac disorders: myocardial infarction

Ear and labyrinth disorders: earache Gastrointestinal disorders: esophagitis, gastroesophageal reflux, hypoactive bowel

## sounds

pancreatitis, perioral swelling General disorders and administration site conditions: injection site pain, injection site reaction, asthenia

action, asthenia mune system disorders: anaphylactoid reaction vestigations: BUN increased, creatine phosphokinase increased, creatinine increase,

LDH increased

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In post-marketing experience, in addition to the severe cutaneous adverse reaction erythema multiforme and Stevens-Johnson's syndrome, toxic epidermal necrolysis has been reported in association with the use of valdecoxib and cannot be ruled out for parecoxib

### DOSAGE AND ADMINISTRATION

DUSAGE AND JAURINIS I RATION "There is limited clinical experience with parecoxib treatment beyond three days." Parecoxib may be administered as single or multiple IV. or IM. doses on a regular or as needed schedule. After initiation of therapy, dosego should be adjusted based on patient response. Clinical studies with parecoxib were conducted using up to 7 days of treatment. Parecoxib is only indicated for patients with a need for parenteral therapy and for whom a similar benefit could not be obtained from alternative oral therapy. It

is recommended that patients be transitioned to alternative oral therapy as soon as

clinically indicated. clinically indicated.
As the cardiovascular (CV) risk of cyclooxygenase-2 (COX-2) specific inhibitors may increase with dose and duration of exposure, the shortest duration possible and the lowest effective daily dose should be used. However, the relevance of these findings for the short-term use of parecoxib in the post-operative setting has not been evaluated.
Management of Acute Pain: The recommended single or initial dose for treatment of acute pain is 40 mg, administered either I/V or IM, followed by 20 mg, administered either I/V or IM, followed by 20 mg.

- or 40 mg every 6 to 12 hours, as required, up to a maximum daily dosage of 80 mg
- or 40 mg every 6 to 12 hours, as required up to a maximum daily docage of 80 mg.
   The IV bolus injection may be given directly into a vein or into an existing IV line.
   The IM injection should be given slowly and deeply into the musde.
   Concomitant Use with Opioid Analgesics: Opioid analgesics can be used concurrently with parecoxib. (Soding as described above. In diricular links, the daily requirement for opioids was significantly reduced (20%-40%) when co-administered with parecoxib as given prior to opioid administration. In all clinical assessments, parecoxib was administered at a fixed time interval whereas the opioids were administered on as needed basis (PRN).
   Elderiy. No dosage adjustment is generally necessary. However, for elderly patients weighing less than 50 kg.
   Hepatic Impairment: No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is necessary in patients with mild hepatic impairment; No dosage adjustment is n

Inan ou Kg. Hepatic Impairment: No dosage adjustment is necessary in patients with mild hepatic impairment (Child-Pugh Class A). Treatment with parecoxib should be initiated at the lowest recommended dose in patients with moderate hepatic impairment (Child-Pugh Class B).

Patients with severe hepatic impairment (Child-Pugh Class C) have not been studied. The use of parecoxib in these patients is not recommended.

Patients with severe nepatic impairment (unimer our costs of net electronic terms) The use of parecoxib in these patients is not recommended. Renal Impairment: In patients with severe renal impairment (creatinine clearance <30 mL/minute), or patients who may be predisposed to fluid retention, parecoxib should be initiated at the lowest recommended dose and the patient's kidney function closely

itored

Co-administration with Fluconazole: When parecoxib is co-administered with fluconazole, the lowest recommended dose of parecoxib should be used. Pediatric Patients: Safety and efficacy have not been established in children under

# 18 years of age

Incompatibilities Incompatibilities in the mixed with other medicinal products and should be reconstituted only with sodium chloride solution (0.9% w/v) (growided in some packs) or the diluents mentioned in DOSAGE AND ADMINISTRATION, Instructions for Use and Handling and Disposal. Use of Lactated Ringer's or 5% Glucose in Lactated Ringer's for reconstitution will cause the medicine to precipitate from solution and therefore is **not** recommended. Use of Stenie Water for Injections is **not** recommended, as the resulting solution is not isotonic. Injection into an IV line delivering 5% Glucose in Lactated Ringer's or other IV fluids.

is not source. Injection into an IV line delivering 5% Glucose in Lactated Ringer's, or other IV fluids not listed in DOSAGE AND ADMINISTRATION, Instructions for Use and Handling and Disposal, is **not** recommended as this may cause precipitation from solution.

Lisposal, is not recommended as this may cause precipitation from solution. Instructions for Use and Handling and Disposal Reconstitute PARECOXB lineiron with 2 mL sodium chloride solution (0.9% w/v) using aseptic technique. The only other acceptable diluents for reconstitution are: 5% Glucose Intravenous Influsion 0.45% Sodium Chloride and 5% Glucose Injection. Use of Sterile Water for Injections is not recommended, as the resulting solution is not isonion: After reconstitution, PARECOXB lineiton should be inspected visually for particulate matter and discolouration prior to administration. The solution should not be used if discoloured or cloudy or if particulate matter is observed.

is not isotonic. After reconstitution, PARECOXB Injection should be inspected visually for particulate matter and discolouration prior to administration. The solution should not be used if discoloured or cloudy or if particulate matter is observed. To reduce microbiological hazard, use as soon as practicable after reconstitution. The reconstituted product should not be stored in a refrigerator or freezer. After reconstitution with acceptable diluents, PARECOXB Injection may only be injected IV or IM, or into IV lines delivering: • Exclution Childred Schlard (DK #uh)

injected IV or IMA or into IV lines delivering; • Sodium Chloride Solution (0.9% wi/v) • 5% Glucose Intravenous Intusion • 0.45% Sodium Chloride and 5% Glucose Injection\ • Lactated Ringer's. Injection into IV lines delivering 5% Glucose in Lactated Ringer's, or other IV diuents not Isted there, is not recommended as this may cause precipitation from solution (see DOSAGE AND ADMINISTRATION, Incompatibilities). This product contains no antimicrobial agent. PARECOXB Injection is for single use in one patient only. Discard any residue. Any unused product, diluent or waste material should be disposed of according to local requirements.

### OVERDOSAGE

Signs and Symptoms Symptoms following acute NSAID overdoses are usually limited to lethargy, Symptoms following actual NSALD overdoses are usually immed to lenargy, drowsiness, nauses, vomitine, epigastric pain, and other gastrointestinal felects, which are generally reversible with supportive care. Gastrointestinal bleeding can occur. Hypertension, acute renal failure, respiratory depression and coma may occur, but are rare. Anaphylactoid reactions have been reported with therapeutic ingestion of NSALDs, and may occur following an overdose.

NSAUS, and may occur introveming an overcose. Treatment of Overdosage There are no specific antidotes. Patients should be managed by symptomatic and supportive care following an overdose. Monitor patients for signs and symptoms of gastrointestinal ulceration and/or haemorrhage. Monitor serum electrolytes, renal function and urinalysis after significant overdose. Valdecoxib is not removed by haemodialysis. Forced diuresis or alkalinisation of urine may not be useful due to high protein binding of valdecoxib.

PRESENTATION AND STORAGE CONDITIONS

Parecoxib Sodium Vials Glass vial with a sterilized, lyophilizing rubber stopper; sealed with a flip-off cap on

the aluminium overseal. PARECOXB parecoxib (as sodium) 40mg powder for solution for injection.

Pack without Diluent : 5s or 10s glass vial with parecoxib 40mg. Pack with Diluent: 5s or 10s glass vial with parecoxib 40mg and 5s or 10s Ampoules of Diluent Sodium Chloride 0.9% w/v.

## (Not all packs will be available)

Stores. of view, t storage t

Shelf Life

UNIMED SDN BHD 53, Jalan Tembaga SD 5/2B, Bandar Sri Damansara, 52200 Kuala Lumpur, Malaysia REGISTRATION NUMBER MAL21036025ACZ DATE OF PREPARATION

Storage Parecoxib: This medicinal product has to be stored below 30°C prior to reconstitution.

Storage conditions of the reconstituted medicinal product: From a microbiological point of view, the product should be used immediately. If not used immediately, the in-use storage times and the conditions prior to use are the responsibility of the user.

NAME AND ADDRESS OF THE PRODUCT REGISTRATION HOLDER

Diluent Sodium Chloride Infusion (0.9% w/v) : Store below 30°C

Store below 30°C. Protect from light, Do not freeze before or after dilution

Parecoxib: 36 months. Diluent Sodium Chloride Infusion (0.9% w/v): 36 months

General disorders and administration site conditions: injection site pain, injection site reaction, asthenia Immune system disorders: anaphylactoid reaction Investigations: BUN increased, creatine phosphokinase increased, creatinine increase Immune system discovers: anaphylaction reaction Investigations: EUN increased, creatine phosphokinase increased, creatinine increase, LDH increased Inversioning and procedural complications: skin post-operative complications Metabolism and nutrition disorders: anorexia, hyperglycemia Musculoskelidal and connective tissue disorders: arthratigia Nervous system disorders: creative disorder Psychiatric disorders: realitation Renal and urinary disorders: renal failure acute Respiratory, thoracic and mediastinal disorders: embolism pulmonary Skin and subcutaneous tissue disorders: echymosis, urticaria Vescular disorders: hypetension aggravated, hypotension postural Following coronary attery bypass graft surgery, patients administered parecoxib have a higher risk of adverse events, such as cardiovacular thrombomebic events (e.g., myocardial infarction and cerebrovascular accident), deep surgical infections or sternal wound healing *Complications*. Post-Marketing Surveillance <u>Exst.Marketing Surveilance</u> In post-marketing experience, the following rare, serious adverse events have been reported in association with the use of parecoxib: circulatory collapse, erythema multiforme, Stevens-Johnson syndrome, renal failure, and hypersensitivity reactions including anaphylaxis and angioedema.

# PARECOXB Leaflet Malaysia

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