



Hepatic Effects

Patients with severe hepatic impairment (Child-Pugh Class C) have not been studied. The use of parecoxib in patients with severe hepatic impairment is contraindicated. Parecoxib should be used with caution when treating patients with moderate hepatic impairment (Child-Pugh Class B), and initiated at the lowest recommended dose (see Section **Dosage and Administration**).

A patient with symptoms and/or signs of liver dysfunction, or in whom an abnormal liver function test has occurred, should be monitored carefully for evidence of the development of a more severe hepatic reaction while on therapy with parecoxib.

General

By reducing inflammation, parecoxib may diminish the utility of diagnostic signs, such as fever, in detecting infections. The concomitant use of parecoxib with other non-specific NSAIDs should be avoided.

Effects on ability to drive and use machines

Patients who experience dizziness, vertigo or somnolence after receiving parecoxib (as sodium) powder for injection should refrain from driving or operating machines.

ADVERSE REACTIONS

The most common adverse reaction for Parecoxib (as sodium) powder for injection is nausea. The most serious reactions occur uncommonly to rarely, and include cardiovascular events such as myocardial infarction and severe hypotension, as well as hypersensitivity events such as anaphylaxis, angioedema and severe skin reactions. Following coronary artery bypass graft surgery, patients administered Parecoxib (as sodium) powder for injection have a higher risk of adverse reactions such as: cardiovascular/thromboembolic events (including myocardial infarction, stroke/TIA, pulmonary embolus, and deep vein thrombosis; see Section **Contraindications** and Section **Pharmacodynamic properties**), deep surgical infections, and sternal wound healing complications.

Tabulated list of adverse reactions

The following adverse reactions were reported for patients who received parecoxib (N=5,402) in 28 placebo-controlled clinical trials. Reports from post-marketing experience have been listed as "frequency not known" because the respective frequencies cannot be estimated from the available data. Within each frequency grouping, adverse reactions are listed using MedDRA terminology and presented in order of decreasing seriousness.

<i>Very Common (≥1/10)</i>	<i>Common (≥1/100, to &lt;1/10)</i>	<i>Uncommon (≥1/1000, to &lt;1/100)</i>	<i>Rare (≥1/10,000, to &lt;1/1000)</i>	<i>Frequency not known</i>
<b>Infections and infestations</b>				
	Pharyngitis, alveolar osteitis (dry socket)	Abnormal sternal serous wound drainage, wound infection		
<b>Blood and lymphatic system disorders</b>				
	Anaemia post-operative	Thrombocytopenia		
<b>Immune System Disorders</b>				
			Anaphylactoid reaction	
<b>Metabolism and nutrition disorders</b>				
	Hypokalaemia	Hyperglycaemia, anorexia		
<b>Psychiatric disorders</b>				
	Agitation, insomnia			
<b>Nervous system disorders</b>				
	Hypoesthesia, dizziness	Cerebrovascular disorder		
<b>Ear and labyrinth disorders</b>				
		Ear pain		
<b>Cardiac disorders</b>				
		Myocardial infarction, bradycardia		Circulatory collapse, Congestive heart failure, Tachycardia
<b>Vascular disorders</b>				
	Hypertension, hypotension	Hypertension (aggravated), orthostatic hypotension		
<b>Respiratory, thoracic and mediastinal disorders</b>				
	Respiratory insufficiency	Pulmonary embolism		Dyspnoea
<b>Gastrointestinal disorders</b>				
Nausea	Abdominal pain, vomiting, constipation, dyspepsia, flatulence	Gastroduodenal ulceration, gastroesophageal reflux disease, dry mouth, gastrointestinal sounds abnormal	Pancreatitis, oesophagitis, oedema mouth (perioral swelling)	
<b>Skin and subcutaneous tissue disorders</b>				
	Pruritus, hyperhidrosis	Ecchymosis, rash, urticaria		Stevens-Johnson syndrome, erythema multiforme, exfoliative dermatitis
<b>Musculoskeletal and connective tissue disorders</b>				
	Back pain	Arthralgia		

<b>Renal and urinary disorders</b>				
	Oliguria		Renal failure acute	Renal failure
<b>General disorders and administration site conditions</b>				
	Oedema peripheral	Asthenia, injection site pain, injection site reaction		Hypersensitivity reactions including anaphylaxis and angioedema
<b>Investigations</b>				
	Blood creatinine increased	Blood CPK increased, blood LDH increased, SGOT increased, SGPT increased, BUN increased.		
<b>Injury, poisoning and procedural complaints</b>				
		Post-procedural complication (skin)		

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 (see Section **Contraindications** and Section **Pharmacodynamic properties**). In addition, the following rare, serious adverse reactions have been reported in association with the use of NSAIDs and cannot be ruled out for parecoxib (as sodium) powder for injection: bronchospasm and hepatitis.

STATEMENT ON USAGE DURING PREGNANCY, LACTATION AND FERTILITY

Pregnancy

There were no findings of teratogenicity in studies in rats and rabbits. Studies in rats at maternally toxic doses and studies in rabbits at the maximal evaluable dose have not revealed embryotoxic effects other than post-implantation loss, which has been observed with other drugs that inhibit prostaglandin synthesis.

Parecoxib is suspected to cause serious birth defects when administered during the last trimester of pregnancy because as with other medicinal products known to inhibit prostaglandin, it may cause premature closure of the ductus arteriosus or uterine inertia.

Parecoxib (as sodium) powder for injection is contraindicated in the last trimester of pregnancy. Inhibition of prostaglandin synthesis might adversely affect pregnancy. Data from epidemiological studies suggest an increased risk of spontaneous abortion after use of prostaglandin synthesis inhibitors in early pregnancy. In animals, administration of prostaglandin synthesis inhibitors has been shown to result in increased pre- and post-implantation loss.

Parecoxib (as sodium) powder for injection is not recommended in women attempting to conceive (see Section **Warnings and precautions** and Section **Pharmacodynamic properties**).

There are no adequate data from the use of parecoxib in pregnant women or during labour. Studies in animals have shown reproductive toxicity (see Section **Pharmacodynamic properties**). The potential risk for humans is unknown. Parecoxib (as sodium) powder for injection should not be used during the first two trimesters of pregnancy unless clearly necessary (i.e., the potential benefit to the patient outweighs the potential risk to the foetus).

If used during second or third trimester of pregnancy, NSAIDs may cause fetal renal dysfunction which may result in reduction of amniotic fluid volume or oligohydramnios in severe cases. Such effects may occur shortly after treatment initiation and are usually reversible. Pregnant women on parecoxib should be closely monitored for amniotic fluid volume.

Lactation

Parecoxib, valdecoxib (its active metabolite) and a valdecoxib active metabolite are excreted in the milk of rats. Administration of a single dose of parecoxib to lactating women resulted in the transfer of a relatively small amount of parecoxib and its active metabolite into breast milk, and this resulted in a low relative dose for the infant (less than 1% of the weight-adjusted maternal dose). Parecoxib must not be administered to women who breast-feed (see Section **Contraindications**).

Fertility

Based on the mechanism of action, the use of NSAIDs may delay or prevent rupture of ovarian follicles, which has been associated with reversible infertility in some women. In women who have difficulties conceiving or who are undergoing investigation of infertility, withdrawal of NSAIDs, including parecoxib, should be considered.

Effects on ability to drive and use machines

Patients who experience dizziness, vertigo or somnolence after receiving Parecoxib (as sodium) powder for injection should refrain from driving or operating machines.

DRUG INTERACTIONS

General

The drug interaction studies were performed with either parecoxib or the active moiety (valdecoxib). In humans, parecoxib undergoes extensive hepatic metabolism involving P450 isoenzymes 3A4 and 2C9, and non-P450 dependent pathways (i.e., glucuronidation). Concomitant administration of parecoxib with known CYP 3A4 and 2C9 inhibitors can result in increased AUC of parecoxib.

Drug-Specific

**Interaction of parecoxib with warfarin or similar agents:** See Section **Warnings and precautions**.  
**Fluconazole and ketoconazole:** Co-administration of fluconazole, a CYP2C9 inhibitor, and ketoconazole, a CYP3A4 inhibitor, enhanced the AUC of valdecoxib by 62% and 38%, respectively. When parecoxib is co-administered with fluconazole, the lowest recommended dose of parecoxib should be used. No dosage adjustment is necessary when parecoxib is co-administered with ketoconazole (see Section **Dosage and Administration**).

**Anti-hypertensives including ACE-inhibitors, angiotensin II antagonists, beta blockers and diuretics:** Inhibition of prostaglandins 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 parecoxib 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 and/or angiotensin II antagonists, may result in 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.

**Diuretics:** Clinical studies have shown that NSAIDs, in some patients, can reduce the natriuretic effect of furosemide and thiazides by inhibition of renal prostaglandin synthesis.

**Cyclosporine:** Because of their effect on renal prostaglandins, NSAIDs may increase the risk of nephrotoxicity with cyclosporine.

**Methotrexate:** A pharmacokinetic interaction study was conducted using valdecoxib and methotrexate and no clinically important interactions were seen. However, caution is advised when methotrexate is administered concurrently with NSAIDs, because NSAID administration may result in increased plasma levels of methotrexate.

**Lithium:** Valdecoxib produced significant decreases in lithium serum clearance (25%) and renal clearance (30%) resulting in a 34% higher serum AUC compared to lithium alone. Lithium serum concentrations should be monitored closely when initiating or changing parecoxib therapy in patients receiving lithium.

**Other:** Interaction studies were conducted between parecoxib and I.V. or oral midazolam, heparin, propofol, fentanyl, and alfentanil. Interaction studies were also conducted between valdecoxib and glibenclamide (glyburide), oral contraceptives (ethinyl estradiol/norethindrone), phenytoin, omeprazole and diazepam. No clinically important interactions were seen in these studies.

Parecoxib may be co-administered with opioid analgesics. In clinical trials, the daily requirement for PRN opioids was significantly reduced when co-administered with parecoxib.

No formal interaction studies were performed with parecoxib and inhalation anesthetic agents, such as nitrous oxide and isoflurane; however, no evidence of a drug interaction was observed in clinical studies.

Parecoxib does not interfere with the anti-platelet effect of low-dose aspirin. Clinical trials indicate that parecoxib can be given with low-dose aspirin (≤325 mg). In the submitted studies, as with other NSAIDs, an increased risk of gastrointestinal ulceration or other gastrointestinal complications compared to use of parecoxib alone was shown for concomitant administration of low-dose aspirin. Because of its lack of platelet effects, parecoxib is not a replacement for aspirin in the prophylactic treatment of cardiovascular disease.

Co-administration of NSAIDs and cyclosporine or tacrolimus has been suggested to increase the nephrotoxic effect of cyclosporine and tacrolimus. Renal function should be monitored when parecoxib and any of these medicinal products are co-administered.

Treatment with valdecoxib (40 mg twice daily for 7 days) produced a 3-fold increase in plasma concentrations of dextromethorphan (CYP2D6 substrate). Therefore, caution should be observed when co-administering parecoxib and medicinal products that are predominantly metabolised by CYP2D6 and which have narrow therapeutic margins (e.g., flecainide, propafenone, metoprolol).

OVER DOSAGE

Clinical experience of overdose is limited. Single I.V. doses of up to 200 mg parecoxib have been administered to healthy subjects without clinically significant adverse effects. Parecoxib doses of 50 mg I.V. twice daily (100 mg/day) for 7 days did not result in any signs of toxicity.

In case of suspected overdose, appropriate supportive medical care should be provided. Dialysis is unlikely to be an efficient method of drug removal, because of high protein binding of the drug.

INCOMPATIBILITIES

Following reconstitution with an acceptable diluent, parecoxib sodium may be injected into an I.V. line delivering 0.9% Sodium Chloride Injection, 5% Dextrose Injection, Lactated Ringers Injection, or 5% Dextrose and 0.45% Sodium Chloride Injection. Injection into a line delivering 5% Dextrose in Lactated Ringer's, or other I.V. fluid not listed here, is not recommended, as this may cause precipitation from solution. Parecoxib sodium should not be admixed for injection with any other drug.

Do not inject parecoxib into an I.V. line delivering any other drug. The I.V. line must be adequately flushed prior to, and after parecoxib injection with a solution of known compatibility (see Section **Special precautions for disposal and other handling**).

STORAGE CONDITIONS

Store at temperatures not exceeding 30°C. Protect from light.  
**Shelf-Life:** Reconstituted Solution: Chemical and physical in-use stability has been demonstrated for 48 hours at 30°C. From a microbiological point of view, the product should be used immediately. If not used immediately, in-use storage times and conditions prior to use are the responsibility of the user and would normally not be longer than 24 hours at the 2°C to 8°C, unless reconstitution has been taken place in controlled and validated aseptic conditions.

Special precautions for disposal and other handling

Parecoxib sodium for injection is a preservative-free lyophilized powder. Parecoxib sodium should be reconstituted with 2 mL (40 mg vial) Sodium Chloride Injection (0.9%).

Alternatively, parecoxib sodium may be reconstituted with bacteriostatic 0.9% Sodium Chloride Injection 5% Dextrose Injection or 5% Dextrose and 0.45% Sodium Chloride Injection.

Use of Lactated Ringer's Injection, or 5% Dextrose in Lactated Ringer's Injection, are not recommended for reconstitution as they will cause the drug to precipitate from solution. Use of Water for Injection is not recommended for reconstitution of parecoxib sodium, as the resulting solution is not isotonic.

Do not refrigerate or freeze the reconstituted product.

DOSAGE FORMS AND PACKAGING AVAILABLE

Lyophilized Powder for Injection.  
1 vial in carton.  
Parecoxib (as Sodium) 40 mg Powder for Injection: 5 mL-capacity Type I clear and colorless glass vial with bromobutyl rubber closure and flip off aluminum seal (Box of 1's).

DATE OF FIRST AUTHORIZATION:

September 4, 2020

DATE OF REVISION OF PACKAGE INSERT:

August 03, 2023

Version 1.1

For suspected adverse drug reaction, report to the FDA: www.fda.gov.ph. Seek medical attention immediately at the first sign of any adverse drug reaction.

DR-XY47036

NAME AND ADDRESS OF MANUFACTURER

Mylan Laboratories Limited,  
[Hosur Sterile Facility],  
Plot No.14, Sipcot-II, Krishnagiri Road,  
Hosur, Tamil Nadu - 635 130, India.

Marketing Authorization Holder:

Viatis Pharmaceuticals, Inc.  
22nd Floor Units C&D, Menarco Tower  
32nd St. Bonifacio Global City, Taguig City, Metro Manila.

1xxxxx



BACK SIDE

ARTWORK DETAIL LABEL

PRODUCT	Parecoxib 40 mg Lyophilized Powder for Injection (I.V./I.M.)					
BUYER / COUNTRY	VIATRIS / Philippines					
DIMENSION	400 x 240 mm	COMPONENT	Pack Insert	PACK	--	NO. OF COLOURS 1
COLOUR SHADES	Black					
VERSION & DATE	Ver. 15; Date: 03.08.2023					
SPECIAL INSTRUCTIONS	Dimensions may change during commercial supply.					