

Voltaren® Voltaren® Retard

Composition

Active substances
Gastro-resistant tablets: Diclofenac sodium (phenylacetic acid derivative)
Prolonged release tablets (Voltaren Retard): Diclofenac sodium (phenylacetic acid derivative)
Suppositories: Diclofenac sodium (phenylacetic acid derivative)
Oral drops: Diclofenac resinate, equivalent to diclofenac sodium

Excipients

Gastro-resistant tablets:
Core for 25 mg and 50 mg: Cellulose microcrystalline; lactose monohydrate; magnesium stearate; maize starch; povidone; silica, colloidal anhydrous; sodium starch glycolate (type A);
Coating for 25 mg: hypromellose; iron oxide yellow (E172); macroglycerol hydroxystearate; Methacrylic acid – ethyl acrylate copolymer; macrogol 8000; talc; titanium dioxide (E171); Simethicone; alpha-octadecyl-omega-hydroxy-polyglykolether; sorbic acid.
Coating for 50 mg: hypromellose; iron oxide red (E172); iron oxide yellow (E172); macroglycerol hydroxystearate; Methacrylic acid – ethyl acrylate copolymer; macrogol 8000; talc; titanium dioxide (E171); Simethicone; alpha-octadecyl-omega-hydroxy-polyglykolether; sorbic acid.

Prolonged-release tablets:
Tablet core: Cetyl alcohol; magnesium stearate; povidone; silica; colloidal anhydrous; sucrose;
Tablet coating: hypromellose; iron oxide red (E172); macrogol 8000; polysorbate 80; sucrose; talc; titanium dioxide (E171); Printing ink: Carbon black, Shellac, Ammonium hydroxide, Simethicone

Suppositories: Hard fat

Castor oil, hydrogenated powder; paraffin liquid; saccharin sodium; copolymer of acrylic and methacrylic acid with divinylbenzene and ethvinylbenzene (Zerolite 236 SRC 48), washed; butti-frutti flavour.
Information item given in some countries:

Sodium content per dosage unit:

	Sodium content per unit
25 mg gastro-resistant coated tablet	2.355 mg/gastroresistant coated tablet
50 mg gastro-resistant coated tablet	4.16 mg/gastroresistant coated tablet
75 mg prolonged-release tablet	5.415 mg/prolonged-release tablet
100 mg prolonged-release tablet	7.22 mg/prolonged-release tablet
12.5 mg/1 g suppositories	0.91 mg/suppository
25 mg/1 g suppositories	1.81 mg/suppository
50 mg/2 g suppositories	3.62 mg/suppository
100 mg/2 g suppositories	7.23 mg/suppository
Drops	1.86 mg/ml equivalent to 0.06 mg/gtt.

Pharmaceutical form and quantity of active substance per unit
Gastroresistant tablets containing 25 mg/50 mg
Prolonged release tablets containing 75 mg/100 mg
Suppositories containing 12.5 mg/25 mg/50 mg/100 mg
Oral drops equivalent to 15 mg diclofenac sodium per ml (1 drop = 0.5 mg diclofenac sodium)

Indications/Potential uses

Inflammatory and degenerative forms of rheumatism: rheumatoid arthritis, juvenile rheumatoid arthritis, ankylosing spondylitis, osteoarthritis including spondylarthrits
Painful syndromes of the vertebral column.
Non-articular rheumatism.
Painful post-traumatic and post-operative inflammation and swelling, e.g. following dental or orthopaedic surgery.
Painful and/or inflammatory gynaecological conditions, e.g. primary dysmenorrhoea or adnexitis.
Migraine attacks (suppositories).
Acute attacks of gout (gastro-resistant tablets, suppositories, oral drops).
As an adjunct in acute painful inflammatory infections of the ear, nose or throat, e.g. pharyngotonsillitis, otitis (gastro-resistant tablets, suppositories, oral drops).
Concomitant treatment with standard therapeutic principles, the underlying disease should be treated with specific therapy as appropriate. Fever alone is not an indication.

Dosage/Administration

As a general recommendation, the dose should be individually adjusted. Adverse effects may be minimised by using the lowest effective dose for the shortest duration necessary to control symptoms (see "Warnings and precautions").

Usual dosage

Adults

Gastro-resistant tablets, suppositories
The starting dose for Voltaren gastro-resistant tablets and Voltaren suppositories in adults is 50 mg 3 times a day. In milder cases and for long-term therapy, 75-100 mg/day are normally sufficient.
The total daily amount is generally given in 2-3 divided doses. In order to avoid nocturnal pain and morning stiffness, treatment with the gastro-resistant tablets during the day can be supplemented by the administration of a suppository at bedtime (up to a maximum daily dose of 150 mg). In primary dysmenorrhoea, the daily dosage should be individually adjusted and is generally 50-150 mg/day. Treatment should be started at 50-100 mg/day and, if necessary, may gradually be increased over the course of several menstrual cycles to a maximum of 150 mg/day. The gastro-resistant tablets should be swallowed with liquid, preferably before meals; they must not be divided or chewed.
The suppositories should be inserted well into the rectum, preferably after a bowel movement.

Treatment of migraine attacks with Voltaren suppositories should be started with a dose of 100 mg as the first sign of impending attack. Additional suppositories of 50 mg may be taken on the same day, if required. If further treatment is required on the following day, the maximum daily dosage should be limited to 150 mg, given in divided doses.

Prolonged release tablets

The usual daily dose of Voltaren Retard is 100-150 mg, i.e. one 100 mg prolonged release tablet, or two 75 mg prolonged release tablets. In milder cases and for long-term therapy, one 75 mg or 100 mg prolonged release tablet per day is normally sufficient. If symptoms are most pronounced at night or in the morning, the tablets should preferably be taken in the evening. The prolonged release tablets should be swallowed whole with liquid, preferably with meals.

Special dosage instructions

Established cardiovascular disease or significant cardiovascular risk factors
Treatment with Voltaren is generally not recommended in patients with established cardiovascular disease or uncontrolled hypertension. If needed, patients with established cardiovascular disease, uncontrolled hypertension or significant risk factors for cardiovascular disease should be treated with Voltaren only after careful consideration, and only at doses of up to 100 mg daily if treated for more than 4 weeks (see "Warnings and precautions").

Patients with hepatic impairment

Voltaren is contraindicated in patients with hepatic failure (see "Contraindications").

No specific studies have been carried out in patients with hepatic impairment; therefore, no specific dose adjustment recommendations can be made. Caution is advised when administering Voltaren to patients with mild to moderate hepatic impairment (see "Warnings and precautions").

Patients with renal impairment

Voltaren is contraindicated in patients with renal failure (GFR <15 ml/min/1.73 m²; see "Contraindications").
No specific studies have been carried out in patients with renal impairment; therefore, no specific dose adjustment recommendations can be made. Caution is advised when administering Voltaren to patients with renal impairment (see "Warnings and precautions").

Elderly patients

No adjustment of the starting dose is generally required for elderly patients. However, caution is indicated on basic medical grounds, especially for frail elderly patients or those with a low body weight (see "Warnings and precautions").

Children and adolescents

Voltaren oral drops are particularly suitable for paediatric use since they enable the dosage to be individually tailored to body weight within the recommended range (1 drop = 0.5 mg).
For adolescents and for children aged 1 year or older, the daily dosage, depending on the severity of the disorder, is 0.5 to 2 mg/kg body weight, given in 2-3 divided doses. For the treatment of juvenile rheumatoid arthritis, the daily dosage can be increased up to a maximum of 3 mg/kg body weight, given in several divided doses.
The maximum daily dose of 150 mg should not be exceeded.
The bottle containing the suspension should always be shaken thoroughly before the drops are administered.
In children aged 1 year or older, the daily dosage is 0.5 to 2 mg/kg body weight, given in 2-3 divided doses. In order to avoid nocturnal pain and morning stiffness, treatment with the gastro-resistant tablets during the day can be supplemented by the administration of a suppository at bedtime (up to a maximum daily dose of 150 mg). In primary dysmenorrhoea, the daily dosage should be individually adjusted and is generally 50-150 mg/day. Treatment should be started at 50-100 mg/day and, if necessary, may gradually be increased over the course of several menstrual cycles to a maximum of 150 mg/day. The gastro-resistant tablets should be swallowed with liquid, preferably before meals; they must not be divided or chewed.
The suppositories should be inserted well into the rectum, preferably after a bowel movement.

Contraindications

Hypersensitivity to the active substance or to any of the excipients indicated under "Composition".
A history of bronchospasm, angioedema, urticaria, acute rhinitis, nasal polyps or allergic-like symptoms after taking acetylsalicylic acid or other non-steroidal anti-inflammatory drugs.
Third trimester of pregnancy (see "Pregnancy/Breast-feeding").
Active gastric and/or duodenal ulcers, gastrointestinal bleeding or perforation. Inflammatory bowel disease (such as Crohn's disease or ulcerative colitis). Hepatic failure (Child-Pugh class C) (cirrhosis of the liver and ascites). Renal failure (GFR <15 ml/min/1.73 m²). Severe heart failure (NYHA III/IV). Treatment of post-operative pain after coronary bypass surgery (or use of a heart/lung machine).
Suppositories: Proctitis.

Warnings and precautions

General warning for the use of systemic non-steroidal anti-inflammatory drugs: Gastrointestinal ulceration, bleeding or perforation may occur at any time during treatment with non-steroidal anti-inflammatory drugs (NSAIDs), whether COX-2 selective or not, even in the absence of warning signs and/or symptoms. To reduce the risk of gastrointestinal ulceration, bleeding or perforation, the lowest effective dose should be given for the shortest possible duration of treatment. Placebo-controlled studies have shown an increased risk of thrombotic cardiovascular and cerebrovascular complications with certain COX-2 selective inhibitors. It is not yet known whether this risk correlates directly with the COX-1/COX-2 selectivity of individual NSAIDs. As no comparative clinical study data are available at present for long-term treatment with the maximum dosage of diclofenac, the possibility of a similarly elevated

risk cannot be ruled out. Until such data becomes available, a careful risk/benefit assessment must be carried out prior to using diclofenac in patients with clinically confirmed coronary heart disease, cerebrovascular disorders, peripheral arterial occlusive disease or considerable risk factors (e.g. hypertension, hyperlipidaemia, diabetes mellitus, smoking). Due to this risk, too, the lowest effective dose should be given for the shortest possible duration of treatment.

The renal effects of NSAIDs include fluid retention with oedema and/or arterial hypertension. For this reason, diclofenac should be used with caution in patients with cardiac impairment and other conditions that predispose to fluid retention. Caution is also indicated in patients who take concomitant diuretics or ACE inhibitors, or who are at increased risk of hypovolaemia. The consequences are generally more serious in the elderly. If gastrointestinal bleeding or ulceration occurs in patients undergoing treatment with Voltaren, the medicinal product should be withdrawn.

Cutaneous reactions

Serious skin reactions, some of them fatal, including exfoliative dermatitis, Stevens-Johnson syndrome and toxic epidermal necrolysis, have been reported very rarely in association with the use of NSAIDs, including Voltaren (see "Adverse effects"). Patients appear to be at highest risk at the start of treatment, with the onset of the reaction usually occurring within the first month of treatment. Voltaren should be discontinued at the first sign of rash, mucosal lesions or any other sign of hypersensitivity. As with other NSAIDs, allergic reactions – e.g. angioedema, urticaria, laryngeal edema – may occur in rare cases, even without prior exposure to diclofenac.

Masking signs of infection

Its pharmacodynamic properties mean that, like other NSAIDs, diclofenac may mask the signs and symptoms of infection.

Precautions

General

The concomitant use of Voltaren with systemic NSAIDs including cyclooxygenase-2 selective inhibitors should be avoided due to the potential for additive adverse effects (see "Interactions").
Caution is required in elderly patients on basic medical grounds. In particular, it is recommended that the lowest effective dosage be used in frail elderly patients or those with a low body weight.
Voltaren gastro-resistant tablets contain lactose. Patients with rare hereditary galactose intolerance, severe lactase deficiency or glucose-galactose malabsorption should not take Voltaren gastro-resistant tablets. Voltaren Retard tablets contain sucrose and are therefore not recommended in patients with rare hereditary problems of fructose intolerance, glucose-galactose malabsorption or sucrose-isomaltase deficiency. This medicine contains less than 1 mmol (23 mg) of sodium per dosage unit. Voltaren Retard tablets contain poly(vinylpyrrolidone) and drugs, making it practically "sodium-free".

Voltaren coated tablets contain poly(vinylpyrrolidone) 40 castor oil and may cause stomach upset and diarrhoea.
Voltaren drops contain hydrogenated castor oil and may cause stomach upset and diarrhoea.

Respiratory effects (pre-existing asthma)
In patients with asthma, seasonal allergic rhinitis, swelling of the nasal mucosa (i.e. nasal polyps), chronic obstructive pulmonary disease or chronic infections of the respiratory tract (especially if linked to allergic rhinitis-like symptoms), reactions to NSAIDs such as asthma exacerbations (analgesic intolerance or analgesic-induced asthma), Quincke's oedema or urticaria are more frequent than in other patients. Therefore, particular caution is required in such patients (emergency readiness). This also applies to patients with allergic reactions – e.g. rash, pruritus or urticaria – to other substances.

Gastrointestinal effects

As with all NSAIDs, including diclofenac, close medical surveillance is required and particular caution should be exercised when prescribing Voltaren in patients with symptoms indicative of gastrointestinal (GI) disorders or with a history suggestive of gastric or intestinal ulceration, bleeding or perforation (see "Adverse effects"). The risk of GI bleeding is greater with higher NSAID doses and in patients with a history of ulcers (particularly if complicated by bleeding or perforation) and in elderly patients.

Treatment should be initiated and maintained at the lowest effective dose in order to reduce the risk of GI toxicity in patients with a history of ulcers (particularly if complicated by bleeding or perforation) and in elderly patients.
Combination therapy with protective agents (e.g. proton pump inhibitors or misoprostol) should be considered for these patients and also for patients requiring concomitant use of low-dose acetylsalicylic acid (ASA) or other drugs likely to increase gastrointestinal risk.

Patients with a history of GI toxicity, particularly elderly patients, should report any unusual abdominal symptoms (especially GI bleeding). Caution is required in patients receiving concomitant medications which could increase the risk of ulceration or bleeding, such as systemic corticosteroids, anticoagulants, antiplatelet agents or selective serotonin reuptake inhibitors (see "Interactions").
NSAIDs, including diclofenac, can be associated with an increased risk of a gastrointestinal anastomosis leak. Caution is required with the use of Voltaren after gastrointestinal surgery and close medical monitoring is recommended.

Hepatic effects

Close medical surveillance is required when giving Voltaren / Voltaren Retard to patients with hepatic impairment, as their condition might be exacerbated (see "Adverse effects").
As with all NSAIDs, including diclofenac, levels of one or more liver enzymes may rise during treatment with Voltaren / Voltaren Retard. This has been observed very frequently with diclofenac in clinical studies (in approximately 15% of patients), but is very rarely accompanied by clinical symptoms. Most of these cases involve borderline increases. Frequently (in 2.5% of cases) the increases observed were moderate (i.e. < 8 times the upper limit of normal), while the incidence of marked increases (> 8 times the upper limit of normal) remained around 1%. Elevated liver enzyme levels were accompanied by clinically manifest liver damage in 0.5% of cases in the above-mentioned clinical studies. Elevated enzyme levels were generally reversible after discontinuation of the drug. As with other NSAIDs, long-term treatment with Voltaren / Voltaren Retard calls for regular monitoring of liver enzyme levels.

Voltaren/Voltaren Retard should be discontinued if abnormal liver function tests persist or worsen, if clinical signs or symptoms suggestive of liver disease develop, or if other manifestations occur (e.g. eosinophilia, rash). In addition to elevated liver enzymes, there have been rare reports of severe hepatic reactions, including jaundice and fulminant hepatitis, hepatic necrosis and hepatic failure which, in isolated cases, had a fatal outcome. Hepatitis may develop without prodromal symptoms. Caution is required when using Voltaren/Voltaren Retard in patients with hepatic porphyria, since it may trigger an attack.

Renal effects

Owing to the importance of prostaglandins in maintaining renal blood flow, prolonged treatment with high doses of NSAIDs, including diclofenac, frequently (1-10%) results in oedema and hypertension. Particular caution is required in patients with impaired cardiac or renal function, in patients with a history of hypertension, in elderly patients, in patients receiving concomitant treatment with diuretics or medicinal products that may significantly impact renal function, and in patients with substantial extracellular volume depletion from any cause, e.g. before or after major surgery (see "Contraindications"). Monitoring of renal function is recommended as a precautionary measure when using Voltaren in such cases. Patients usually recover to their pre-treatment state following discontinuation of therapy.

Cardiovascular effects

Diclofenac, like other NSAIDs, may increase the nephotropic effect of ciclosporin and tacrolimus due to the effect on renal prostaglandins. It should therefore be given at doses lower than those that would be used in patients not receiving ciclosporin or tacrolimus.
Drugs known to cause hyperkalaemia
Concomitant treatment with potassium-sparing diuretics, ciclosporin, tacrolimus or trimethoprim may be associated with increased plasma potassium levels, which should therefore be monitored frequently (see "Warnings and precautions").

Quinolone antibiotics

There have been isolated reports of convulsions that may have been due to concomitant use of quinolones and NSAIDs.
Anticipated interactions to be considered
Other NSAIDs and corticosteroids
Concomitant administration of diclofenac with other systemic NSAIDs or with corticosteroids may increase the frequency of gastrointestinal adverse effects (see "Warnings and precautions").
Anticoagulants and antiplatelet agents
Caution is required since co-administration could increase the risk of bleeding (see "Warnings and precautions").

and response to therapy should be re-evaluated periodically, especially when treatment continues for more than 4 weeks.
Patients should remain alert for the signs and symptoms of serious arterial thromboembolic events (e.g. chest pain, shortness of breath, weakness, slurring of speech), which can occur without warning. Patients should be instructed to see a physician immediately in case of such an event.

Haematological effects

As with other NSAIDs, complete blood counts are recommended during long-term treatment with Voltaren / Voltaren Retard.
Like other NSAIDs, diclofenac may temporarily inhibit platelet aggregation. Patients with coagulation disorders should be closely monitored.

Interactions

The following interactions were observed with Voltaren / Voltaren Retard and/or other dosage forms of diclofenac.

Observed interactions to be considered

Enzyme inducers

CYP2C9 inducers

Caution is required when co-administering diclofenac with CYP2C9 inducers (such as rifampicin). This could result in a significant decrease in plasma concentration and exposure to diclofenac.

Enzyme inhibitors

CYP2C9 inhibitors

Caution is required when co-administering diclofenac with CYP2C9 inhibitors (such as voriconazole). This could result in a significant increase in peak plasma concentrations and exposure to diclofenac.

Lithium

Diclofenac may increase plasma concentrations of co-administered lithium. Monitoring of serum lithium levels is recommended.

Digoxin

Diclofenac may increase plasma concentrations of co-administered digoxin. In monitoring of serum digoxin levels is recommended.

Diuretics and antihypertensive agents

As with other NSAIDs, co-administration of diclofenac may reduce the antihypertensive effects of diuretics or antihypertensive agents (e.g. beta-blockers, angiotensin-converting-enzyme (ACE) inhibitors). The combination should therefore be administered with caution, and patients – especially elderly patients – should have their blood pressure monitored regularly. Patients should be adequately hydrated, and attention should be paid to monitoring renal function on initiating combination therapy, and regularly thereafter, particularly with diuretics and ACE inhibitors due to the increased risk of nephotropic toxicity (see "Warnings and precautions").

Ciclosporin and tacrolimus

Diclofenac, like other NSAIDs, may increase the nephotropic effect of ciclosporin and tacrolimus due to the effect on renal prostaglandins. It should therefore be given at doses lower than those that would be used in patients not receiving ciclosporin or tacrolimus.

Drugs known to cause hyperkalaemia

Concomitant treatment with potassium-sparing diuretics, ciclosporin, tacrolimus or trimethoprim may be associated with increased plasma potassium levels, which should therefore be monitored frequently (see "Warnings and precautions").

Quinolone antibiotics

There have been isolated reports of convulsions that may have been due to concomitant use of quinolones and NSAIDs.

Anticipated interactions to be considered

Other NSAIDs and corticosteroids

Concomitant administration of diclofenac with other systemic NSAIDs or with corticosteroids may increase the frequency of gastrointestinal adverse effects (see "Warnings and precautions").

Anticoagulants and antiplatelet agents

Caution is required since co-administration could increase the risk of bleeding (see "Warnings and precautions").

Although clinical investigations do not appear to indicate that diclofenac affects the action of anticoagulants, there have been reports of an increased risk of bleeding in patients receiving diclofenac and anticoagulants concomitantly. Close monitoring of such patients is therefore recommended.

Selective serotonin reuptake inhibitors (SSRIs)

Co-administration of systemic NSAIDs, including diclofenac, and SSRIs may increase the risk of gastrointestinal bleeding (see "Warnings and precautions").

Anti-diabetic agents

Clinical studies have shown that diclofenac can be given together with oral anti-diabetic agents without influencing their clinical effect. However, there have been isolated reports of both hypoglycaemic and hyperglycaemic reactions following administration of diclofenac, requiring adjustment of the dosage of the anti-diabetic agent. For this reason, monitoring of blood glucose levels is recommended as a precautionary measure during combination therapy. There have also been isolated reports of metabolic acidosis when diclofenac was co-administered with metformin, especially in patients with pre-existing renal impairment.

Visual effects

Visual disturbances such as visual impairment, blurred vision and diplopia appear to be NSAID class effects and are usually reversible on discontinuation. A likely mechanism for the visual disturbances is the inhibition of prostaglandin synthesis and other related compounds that alter the regulation of retinal blood flow resulting in potentia changes in vision. If such symptoms occur during diclofenac treatment, an ophthalmological examination may be considered to exclude other causes. Reporting suspected adverse effects after authorisation of the medicinal product is very important. It allows continued monitoring of the risk-benefit ratio of the medicinal product.

Methotrexate

Caution is required when NSAIDs, including diclofenac, are administered less than 24 hours before or after treatment with methotrexate because blood levels of methotrexate may rise, and methotrexate toxicity may increase.

Phenytin

Monitoring of phenytin plasma concentrations is recommended if phenytin is used concomitantly with diclofenac due to an expected increase in exposure to phenytin.

Pregnancy/Breast-feeding

Pregnancy
Inhibition of prostaglandin synthesis may have a negative impact on pregnancy and/or embryonal development. Data from epidemiological studies suggest an elevated risk of miscarriage and of cardiac malformation and gastroschisis following administration of a prostaglandin synthetase inhibitor during early pregnancy. The risk is assumed to rise with the dose and the duration of therapy.
In animals, administration of a prostaglandin synthetase inhibitor has been shown to result in increased pre-implantation and post-implantation loss and embryofetal lethality. In addition, increased incidences of various malformations, including cardiovascular malformations, have been reported in animals given a prostaglandin synthetase inhibitor during organogenesis (see "Preclinical data").

First/second trimester

During the first and second trimesters of pregnancy, diclofenac should not be given unless absolutely necessary. If diclofenac is used by a woman attempting to conceive, or during the first or second trimesters of pregnancy, the dose should be kept as low – and the duration of treatment as short – as possible.

Third trimester

Diclofenac is contraindicated during the third trimester of pregnancy. All prostaglandin synthetase inhibitors may: – increase the risk of premature closure of the ductus arteriosus, and pulmonary hypertension, also see "Preclinical data"); – renal dysfunction, which may progress to renal failure with oligohydramnios. – expose the mother and child to the following risks: possible prolongation of bleeding time, an effect of inhibition of platelet aggregation even at very low doses; inhibition of uterine contractions, resulting in delayed or prolonged labour.

Breast-feeding

As with other NSAIDs, small amounts of diclofenac pass into the breast milk. As a precaution, diclofenac should therefore not be used by women who are breast-feeding. If treatment is essential, the infant should be switched to bottle-feeding.

Fertility

Diclofenac may impair female fertility and is therefore not recommended in women actively trying to conceive. The risk of GI bleeding is greater with higher NSAID doses and in patients with a history of ulcers (particularly if complicated by bleeding or perforation) and in elderly patients.

Quinolone antibiotics

There have been isolated reports of convulsions that may have been due to concomitant use of quinolones and NSAIDs.

Anticoagulants and antiplatelet agents

Caution is required since co-administration could increase the risk of bleeding (see "Warnings and precautions").

In animals, based on relevant data, impairment of male fertility cannot be ruled out (see "Preclinical data"). The relevance of this finding for humans is unclear.

Effects on the ability to drive and to use machines

Patients experiencing visual disturbances, light-headedness, dizziness, or drowsiness should be cautioned about driving or operating machinery. Patients should be instructed to see a physician immediately in case of such an event.

Blood and lymphatic system disorders

Very rare: Thrombocytopenia, leucopenia, anaemia (including haemolytic and aplastic anaemia), agranulocytosis.

Immune system disorders

Rare: Hypersensitivity, anaphylactic and anaphylactoid reactions (including hypotension and shock).

Psychiatric disorders

Very rare: Disorientation, depression, insomnia, nightmares, irritability, psychotic disorder.

Nervous system disorders

Common: Headache, light-headedness.

Very rare: Disorientation, depression, insomnia, nightmares, irritability, psychotic disorder.

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