

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.
Oral drops:
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 given in all countries.

Sodium content per dosage unit:

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25 mg gastro-resistant coated tablet	2.355 mg/gastro-resistant coated tablet
50 mg gastro-resistant coated tablet	4.16 mg/gastro-resistant 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

Gastro-resistant 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 previous history. To reduce the risk of bleeding, 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, 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 12.5 mg or 25 mg suppositories are recommended for use in children and adolescents below 14 years of age. Due to their dosage strength, Voltaren 50 mg suppositories are not recommended in children and adolescents below 14 years of age. Voltaren 100 mg suppositories are not suitable for children and adolescents.
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Treatment of post-operative pain after coronary bypass surgery (or use of a heart/lung machine).
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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").

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Treatment of post-operative pain after coronary bypass surgery (or use of a heart/lung machine).
Suppositories: Proctitis.

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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").

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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").
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Treatment of post-operative pain after coronary bypass surgery (or use of a heart/lung machine).
Suppositories: Proctitis.

Warnings and precautions

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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 previous history. To reduce the risk of bleeding, 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 and smoking). Due to this risk, 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 12.5 mg or 25 mg suppositories are recommended for use in children and adolescents below 14 years of age. Due to their dosage strength, Voltaren 50 mg suppositories are not recommended in children and adolescents below 14 years of age. Voltaren 100 mg suppositories are not suitable for children and adolescents.

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