

Package leaflet: Information for the user

Ivabradine 5 mg film-coated tablets

Ivabradine 7.5 mg film-coated tablets

ivabradine

Read all of this leaflet carefully before you start taking this medicine because it contains important information for you.

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor or pharmacist.
- This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their symptoms are the same as yours.
- If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. See section 4.

What is in this leaflet

1. What Ivabradine is and what it is used for
2. What you need to know before you take Ivabradine
3. How to take Ivabradine
4. Possible side effects
5. How to store Ivabradine
6. Contents of the pack and other information

1. What Ivabradine is and what is it used for

Ivabradine is a heart medicine used to treat:

- Symptomatic stable angina pectoris (which causes chest pain) in adult patients whose heart rate is over or equal to 70 beats per minute. It is used in adult patients who do not tolerate or cannot take heart medicines called beta-blockers. It is also used in combination with beta blockers in adult patients whose condition is not fully controlled with a beta-blocker.
- Chronic heart failure in adult patient whose heart rate is over or equal to 75 beats per minute. It is used in combination with standard therapy, including beta-blocker therapy or when beta blockers are contraindicated or not tolerated.

About stable angina pectoris (usually referred to as "angina"):

Stable angina is a heart disease which happens when the heart does not receive enough oxygen. It usually appears between 40 and 50 years of age. The most common symptom of angina is chest pain or discomfort. Angina is more likely to happen when the heart beats faster in situations such as exercise, emotion, exposure to the cold or after eating. This increase in heart rate can cause the chest pain in people who suffer from angina.

About chronic heart failure:

Chronic heart failure is a heart disease which happens when your heart cannot pump enough blood to the rest of your body. The most common symptoms of heart failure are breathlessness, fatigue, tiredness and ankle swelling.

How does Ivabradine work

Ivabradine mainly works by reducing the heart rate by a few beats per minute. This lowers the heart's need for oxygen especially in the situations when an angina attack is more likely to happen. In this way Ivabradine helps to control and reduce the number of angina attacks.

Furthermore, as elevated heart rate adversely affects the heart functioning and vital prognosis in patients with chronic heart failure, the specific heart rate lowering action of Ivabradine helps to improve the heart functioning and vital prognosis in these patients.

2. What you need to know before you take Ivabradine

Do not take Ivabradine

- if you are allergic to Ivabradine or any of the other ingredients of this medicine (listed in Section 6);
- if your resting heart rate before treatment is too slow (below 70 beats per minute);
- if you are suffering from cardiogenic shock (a heart condition treated in hospital);
- if you suffer from a heart rhythm disorder;
- if you are having a heart attack;
- if you suffer from very low blood pressure;
- if you suffer from unstable angina (a severe form in which chest pain occurs very frequently and with or without exertion);
- if you have heart failure which has recently become worse;
- if your heart beat is exclusively imposed by your pacemaker;
- if you suffer from severe liver problems;
- if you are already taking medicines for the treatment of fungal infections (such as ketoconazole, itraconazole), macrolide antibiotics (such as josamycin, clarithromycin, telithromycin or erythromycin given orally), medicines to treat HIV infections (such as nelfinavir, ritonavir), nefazodone (medicine to treat depression) or diltiazem, verapamil (used for high blood pressure or angina pectoris);
- if you are a woman able to have children and not using reliable contraception;
- if you are pregnant or trying to become pregnant;
- if you are breast-feeding.

Warnings and precautions

Talk to your doctor or pharmacist before taking Ivabradine if you:

- suffer from heart rhythm disorders (such as irregular heartbeat, palpitation, increase in chest pain) or sustained atrial fibrillation (a type of irregular heartbeat), or an abnormality of electrocardiogram (ECG) called 'long QT syndrome';
- have symptoms such as tiredness, dizziness or shortness of breath (this could mean that your heart is slowing down too much);

- suffer from symptoms of atrial fibrillation (pulse rate at rest unusually high (over 110 beats per minute) or irregular, without any apparent reason, making it difficult to measure);
- have had a recent stroke (cerebral attack);
- suffer from mild to moderate low blood pressure;
- suffer from uncontrolled blood pressure, especially after a change in your antihypertensive treatment;
- suffer from severe heart failure or heart failure with abnormality of ECG called 'bundle branch block';
- suffer from chronic eye retinal disease;
- suffer from moderate liver problems;
- suffer from severe renal problems.

If any of the above applies to you, talk straight away to your doctor before or while taking Ivabradine.

Children and adolescents

Ivabradine is not intended for use in children and adolescents younger than 18 years.

Other medicines and Ivabradine

Tell your doctor or pharmacist if you are taking, have recently taken or might take any other medicines.

Make sure to tell your doctor if you are taking any of the following medicines, as a dose adjustment of Ivabradine or monitoring should be required:

- fluconazole (an antifungal medicine);
- rifampicin (an antibiotic);
- barbiturates (for difficult sleeping or epilepsy);
- phenytoin (for epilepsy);
- *Hypericum perforatum* or St John's Wort (herbal treatment for depression)
- QT prolonging medicines to treat either heart rhythm disorders or other conditions:
 - quinidine, disopyramide, ibutilide, sotalol, amiodarone (to treat heart rhythm disorders);
 - bepridil (to treat angina pectoris);
 - certain types of medicines to treat anxiety, schizophrenia or other psychoses (such as pimozide, ziprasidone, sertindole);
 - anti-malarial medicines (such as mefloquine or halofantrine);
 - intravenous erythromycin (an antibiotic);
 - pentamidine (an antiparasitic medicine);
 - cisapride (to treat gastro-oesophageal reflux)
- Some types of diuretics which may cause decrease in blood potassium level, such as furosemide, hydrochlorothiazide, indapamide (used to treat oedema, high blood pressure).

Ivabradine with food and drink

Avoid grapefruit juice during treatment with Ivabradine.

Pregnancy and breast-feeding

Do not take Ivabradine if you are pregnant or are planning to have a baby (see "Do not take Ivabradine").

If you are pregnant and have taken Ivabradine, talk to your doctor.

Do not take Ivabradine if you are able to become pregnant unless you use reliable contraceptive measures (see "Do not take Ivabradine").

Do not take Ivabradine if you are breast-feeding (see "Do not take Ivabradine"). Talk to your doctor if you are breast-feeding or intending to breast-feed as breast-feeding should be discontinued if you take Ivabradine.

If you are pregnant or breast-feeding, think you may be pregnant or are planning to have a baby, ask your doctor or pharmacist for advice before taking this medicine.

Driving and using machines

Ivabradine may cause temporary luminous visual phenomena (a temporary brightness in the field of vision, see "Possible side effects"). If this happens to you, be careful when driving or using machines at times when there could be sudden changes in light intensity, especially when driving at night.

Ivabradine contains lactose

If you have been told by your doctor that you have intolerance to some sugars, contact your doctor before taking this medicine.

3. How to take Ivabradine

Always take this medicine exactly as your doctor or pharmacist has told you. Check with your doctor or pharmacist if you are not sure. Ivabradine should be taken during meals.

If you are being treated for stable angina pectoris

The starting dose should not exceed one tablet of Ivabradine 5 mg twice daily. If you still have angina symptoms and if you have tolerated the 5 mg twice daily dose well, the dose may be increased. The maintenance dose should not exceed 7.5 mg twice daily. Your doctor will prescribe the right dose for you. The usual dose is one tablet in the morning and one tablet in the evening. In some cases (e.g. if you are elderly), your doctor may prescribe half the dose i.e., one half 5 mg tablet of Ivabradine 5 mg (corresponding to 2.5 mg Ivabradine) in the morning and one half 5 mg tablet in the evening.

If you are being treated for chronic heart failure

The usual recommended starting dose is one tablet of Ivabradine 5 mg twice daily increasing if necessary to one tablet of Ivabradine 7.5 mg twice daily. Your doctor will decide the right dose for you. The usual dose is one tablet in the morning and one tablet in the evening. In some cases (e.g. if you are elderly), your doctor may prescribe half the dose i.e., one half 5 mg tablet of Ivabradine 5 mg (corresponding to 2.5 mg Ivabradine) in the morning and one half 5 mg tablet in the evening.

If you take more Ivabradine than you should

A large dose of Ivabradine could make you feel breathless or tired because your heart slows down too much. If this happens, contact your doctor immediately.

If you forget to take Ivabradine

If you forget to take a dose of Ivabradine, take the next dose at the usual time. Do not take a double dose to make up for the forgotten dose.

If you stop taking Ivabradine

As the treatment for angina or chronic heart failure is usually life-long, you should discuss with your doctor before stopping this medicinal product.

If you think that the effect of Ivabradine is too strong or too weak, talk to your doctor or pharmacist.

If you have any further questions on the use of this medicine, ask your doctor or pharmacist.

4. Possible side-effects

Like all medicines, this medicine can cause side effects, although not everybody gets them. The frequency of possible side effects listed below is defined using the following convention:

Very common: may affect more than 1 in 10 people

Common: may affect up to 1 in 10 people

Uncommon: may affect up to 1 in 100 people

Rare: may affect up to 1 in 1,000 people

Very rare: may affect up to 1 in 10,000 people

Not known: frequency cannot be estimated from the available data

The most common adverse reactions with this medicine are dose dependent and related to its mode of action:

Very common:

Luminous visual phenomena (brief moments of increased brightness, most often caused by sudden changes in light intensity). They can also be described as a halo, coloured flashes, image decomposition or multiple images. They generally occur within the first two months of treatment after which they may occur repeatedly and resolve during or after treatment.

Common:

Modification in the heart functioning (the symptoms are a slowing down of the heart rate). They particularly occur within the first 2 to 3 months of treatment initiation.

Other side effects have also been reported:

Common:

Irregular rapid contraction of the heart, abnormal perception of heartbeat, uncontrolled blood pressure, headache, dizziness and blurred vision (cloudy vision).

Uncommon:

Palpitations and cardiac extra beats, feeling sick (nausea), constipation, diarrhoea, abdominal pain, spinning sensation (vertigo), difficulty breathing (dyspnoea), muscle spasms, changes in laboratory parameters: high blood levels of uric acid, an excess of eosinophils (a type of white blood cell) and elevated creatinine in blood (a breakdown product of muscle), skin rash, angioedema (such as swollen face, tongue or throat, difficulty in breathing or swallowing), low blood pressure, fainting, feeling of tiredness, feeling of weakness, abnormal ECG heart tracing, double vision, impaired vision.

Rare:

Urticaria, itching, skin reddening, feeling unwell.

Very rare:

Irregular heartbeats.

Reporting side-effects

If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effect not listed in this leaflet.

You can also report side effects directly (see details below). By reporting side effects you can help provide more information on the safety of this medicine.

United Kingdom:

Yellow Card Scheme

Website: www.mhra.gov.uk/yellowcard or search for MHRA Yellow Card in the Google Play or Apple App Store

Ireland

HPRA Pharmacovigilance

Website: www.hpra.ie

5. How to store Ivabradine

Keep this medicine out of the sight and reach of children.

Do not use this medicine after the expiry date which is stated on the carton and blister after EXP. The expiry date refers to the last day of that month.

This medicine does not require any special storage conditions.

Do not throw away any medicines via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

6. Contents of the pack and other information

What Ivabradine contains

The active substance is ivabradine. Ivabradine 5 mg: Each film-coated tablet contains ivabradine hydrochloride equivalent to 5 mg ivabradine.

Ivabradine 7.5 mg: Each film-coated tablet contains ivabradine hydrochloride equivalent to 7.5 mg ivabradine. The other ingredients are:

Tablet core: lactose monohydrate, magnesium stearate, maize starch, maltodextrin, silica, colloidal anhydrous

Film-coating: hypromellose, titanium dioxide, macrogol, glycerol, iron oxide yellow, iron oxide red.

What Ivabradine looks like and contents of the pack

Ivabradine 5 mg film-coated tablets are salmon-coloured, oblong, scored on both sides, engraved with '5' on one face. Dimensions 4.5 x 8.6 mm.

Ivabradine 7.5 mg film-coated tablets are salmon-coloured, circular, engraved with '7.5' on one face. Dimensions 3.6 x 7.6 mm.

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Ivabradine 7.5 mg Film-coated Tablets

Key Pharmaceuticals Ltd.
PL 34424/0046 PA23176/008/001
PL 34424/0047 PA23176/008/002

Ivabradine 5 mg and 7.5 mg film-coated tablets are available in blisters of 28 or 56 film-coated tablets.

Not all pack sizes may be marketed.

Marketing Authorisation Holders

UK: Key Pharmaceuticals Ltd.

Galen House, 83 High Street, Somersham, Cambridgeshire, PE28 3JB, UK

IE: Lexon Pharmaceuticals (Ireland) Limited

Block 4, Port Tunnel Business Park, Clonshaugh, Dublin 17, Ireland

Manufacturer

Medreich PLC

Warwick House, Plane Tree Crescent, Feltham, TW13 7HF, UK

Key Pharmaceuticals Ltd.

Galen House, 83 High Street, Somersham,

Cambridgeshire, PE28 3JB, UK

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