

# Tadalafil 2.5 mg Film-coated Tablets

# Tadalafil 5 mg Film-coated Tablets

# Tadalafil 10 mg Film-coated Tablets

# Tadalafil 20 mg Film-coated Tablets

tadalafil

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



## 1 What Tadalafil is and what it is used for

Tadalafil contains the active substance tadalafil which belongs to a group of medicines called phosphodiesterase type 5 inhibitors.

**Tadalafil 2.5 mg, 5 mg, 10 mg and 20 mg** is used to treat adult men with **erectile dysfunction**. This is when a man cannot get, or keep a hard, erect penis suitable for sexual activity. Tadalafil has been shown to significantly improve the ability of obtaining a hard erect penis suitable for sexual activity.

Following sexual stimulation Tadalafil works by helping the blood vessels in your penis to relax, allowing the flow of blood into your penis. The result of this is improved erectile function. Tadalafil will not help you if you do not have erectile dysfunction. It is important to note that Tadalafil for the treatment of erectile dysfunction does not work if there is no sexual stimulation. You and your partner will need to engage in foreplay, just as you would if you were not taking a medicine for erectile dysfunction.

**Tadalafil 5 mg** is used to treat adult men with urinary symptoms associated with a common condition called **benign prostatic hyperplasia**.

This is when the prostate gland gets bigger with age. Symptoms include difficulty in starting to pass water, a feeling of not completely emptying the bladder and a more frequent need to pass water even at night. Tadalafil improves blood flow to, and relaxes the muscles of, the prostate and bladder which may reduce symptoms of benign prostatic hyperplasia. Tadalafil has been shown to improve these urinary symptoms as early as 1-2 weeks after starting treatment.

**Tadalafil 20 mg** is used to treat **pulmonary arterial hypertension** in adults and in children aged 2 years and above.

It works by helping the blood vessels around your lungs relax, improving the flow of blood into your lungs. The result of this is an improved ability to do physical activity.

Other suitable formulations, such as an oral suspension, should be checked for their availability for administration to paediatric patients who require 20 mg and are not able to swallow tablets.

## 2 What you need to know before you take Tadalafil

### Do not take Tadalafil if you:

- are allergic to tadalafil or any of the other ingredients of this medicine (listed in section 6)
- are taking any form of organic nitrate or nitric oxide donors such as amyl nitrite.

This is a group of medicines ("nitrates") used in the treatment of angina pectoris ("chest pain"). Tadalafil has been shown to increase the effects of these medicines. If you are taking any form of nitrate or are unsure tell your doctor.

- have serious heart disease or recently had a heart attack within the last 90 days
- recently had a stroke within the last 6 months
- have low blood pressure or uncontrolled high blood pressure
- ever had loss of vision because of non-arteritic anterior ischemic optic neuropathy (NAION), a condition described as "stroke of the eye"
- are taking riociguat

This medicine is used to treat pulmonary arterial hypertension (i.e., high blood pressure in the lungs) and chronic thromboembolic pulmonary hypertension (i.e., high blood pressure in the lungs secondary to blood clots). PDE5 inhibitors, such as Tadalafil, have been shown to increase the hypotensive effects of this medicine. If you are taking riociguat or are unsure tell your doctor.

### Warnings and precautions

Talk to your doctor before taking Tadalafil.

If you are treated for erectile dysfunction be aware that sexual activity carries a possible risk to patients with heart disease because it puts an extra strain on your heart. If you have a heart problem you should tell your doctor.

If you are treated for benign prostatic hyperplasia: since benign prostatic hyperplasia and prostate cancer may have the same symptoms, your doctor will check you for prostate cancer before starting treatment with Tadalafil for benign prostatic hyperplasia. Tadalafil does not treat prostate cancer.

Before taking the tablets, tell your doctor if you have:

- sickle cell anaemia (an abnormality of red blood cells)
- multiple myeloma (cancer of the bone marrow)
- leukaemia (cancer of the blood cells)
- any deformation of your penis, or unwanted or persistent erections lasting more than 4 hours
- a serious liver problem
- a severe kidney problem
- any hereditary eye disease
- any heart problems other than your pulmonary hypertension
- problems with your blood pressure

It is not known if Tadalafil in treatment of erectile

dysfunction is effective in patients who have had:

- pelvic surgery
- removal of all or part of the prostate gland in which nerves of the prostate are cut (radical non- nerve-sparing prostatectomy)

If you experience sudden decrease or loss of vision or your vision is distorted, dimmed while you are taking Tadalafil stop taking Tadalafil and contact your doctor immediately.

Decreased or sudden hearing loss has been noted in some patients taking tadalafil. Although it is not known if the event is directly related to tadalafil, if you experience decreased or sudden hearing loss, stop taking Tadalafil and contact your doctor immediately.

**Tadalafil should not be used as treatment of erectile dysfunction or benign prostatic hyperplasia by women because these are health problems specific to men.**

### Children and adolescents

*Treatment of erectile dysfunction and benign prostatic hyperplasia*

Tadalafil is not intended for use by children and adolescents under the age of 18.

*Treatment of pulmonary arterial hypertension (PAH)*

Tadalafil is not recommended for the treatment of pulmonary arterial hypertension in children under 2 years of age because it has not been studied in this age group.

### Other medicines and Tadalafil

Tell your doctor if you are taking, have recently taken or might take any other medicines. **Do not take** Tadalafil if you are already taking nitrates.

Some medicines may be affected by Tadalafil or they may affect how well Tadalafil will work. Tell your doctor or pharmacist if you are already taking:

- an alpha blocker (used to treat high blood pressure or urinary symptoms associated with benign prostatic hyperplasia)
- other medicines to treat high blood pressure
- nitrates (for chest pain)
- riociguat
- a 5- alpha reductase inhibitor (used to treat benign prostatic hyperplasia)
- protease inhibitors for treatment of AIDS or HIV infection (ritonavir)
- phenobarbital, phenytoin and carbamazepine (anticonvulsant medicines)
- rifampicin, erythromycin or clarithromycin (to treat bacterial infections)
- medicines such as ketoconazole or itraconazole (to treat fungal infections)
- bosentan (another treatment for pulmonary arterial hypertension)
- other treatments for erectile dysfunction (PDE5 inhibitors)

### Tadalafil with drink and alcohol

Information on the effect of alcohol is in section 3. Grapefruit juice may affect how well Tadalafil will work and should be taken with caution. Talk to your doctor for further information.

### Pregnancy, breast-feeding and fertility

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. Do not take Tadalafil when pregnant, unless it is strictly necessary and you have discussed this with your doctor.

Do not breast-feed while taking these tablets as it is not known if the medicine passes into human breast milk. Ask your doctor or pharmacist for advice before taking any medicine while pregnant or breast-feeding.

When dogs were treated there was reduced sperm development in the testes. A reduction in sperm was seen in some men. These effects are unlikely to lead to a lack of fertility.

### Driving and using machines

Dizziness has been reported. Check carefully how you react to the tablets before driving and using machines.

### Tadalafil contains lactose and sodium

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

This medicine contains less than 1 mmol sodium (23 mg) per film-coated tablet, that is to say essentially 'sodium-free'.

## 3 How to take Tadalafil

Always take this medicine exactly as your doctor has told you. Check with your doctor or pharmacist if you are not sure.

Swallow the tablet whole with some water. Tadalafil 20 mg tablets can be divided into equal doses.

The tablets can be taken with or without food.

## For the treatment of erectile dysfunction

### • Flexible-dose, on demand:

The recommended starting dose is one 10 mg tablet before sexual activity. If the effect of this dose is too weak your doctor may increase the dose to 20 mg. Tadalafil tablets are for oral use.

You may take Tadalafil tablet at least 30 minutes before sexual activity. Tadalafil may still be effective up to 36 hours after taking the tablet. Tadalafil 10 mg and 20 mg is intended for use prior to anticipated sexual activity and is not recommended for continuous daily use.

### • Once a day dosing:

The recommended dose is one 5 mg tablet taken once a day at approximately the same time of the day. Your doctor may adjust the dose to 2.5 mg based on your response to Tadalafil. This will be given as a 2.5 mg tablet. When taken once a day Tadalafil allows you to obtain an erection, when sexually stimulated, at any time point during the 24 hours of the day. Once a day dosing of Tadalafil may be useful to men who anticipate having sexual activity two or more times per week.

Do not take Tadalafil more than once a day.

It is important to note that Tadalafil does not work if there is no sexual stimulation. You and your partner will need to engage in foreplay, just as you would if you were not taking a medicine for erectile dysfunction.

Drinking alcohol may affect your ability to get an erection and may temporarily lower your blood pressure. If you have taken or are planning to take Tadalafil, avoid excessive drinking (blood alcohol level of 0.08 % or greater), since this may increase the risk of dizziness when standing up.

## For the treatment benign prostatic hyperplasia

The dose is one 5 mg tablet taken once a day at approximately the same time of the day.

If you have benign prostatic hyperplasia and erectile dysfunction, the dose remains one 5 mg tablet taken once a day.

Do not take Tadalafil more than once a day.

## For the treatment of pulmonary arterial hypertension

Pulmonary arterial hypertension in adults  
The usual dose is two 20 mg tablets taken once a day. You should take both tablets at the same time, one after the other. If you have a mild or moderate liver or kidney problem, your doctor may advise you to take only one 20 mg tablet per day.

Pulmonary arterial hypertension in children (age 2 years and above) weighing at least 40 kg  
The recommended dose is two 20 mg tablets taken once a day. Both tablets should be taken at the same time, one after the other. If you have a mild or moderate liver or kidney problem, your doctor may advise you to take only one 20 mg tablet per day.

Pulmonary arterial hypertension in children (age 2 years and above) weighing less than 40 kg  
The recommended dose is one 20 mg tablet taken once a day. If you have a mild or moderate liver or kidney problem, your doctor may advise you to take 10 mg once per day.

Other form(s) of this medicine may be more suitable for children; ask your doctor or pharmacist.

### If you take more Tadalafil than you should

If you or anyone else takes more tablets than they should, tell your doctor or go to a hospital immediately, taking the medicine or pack with you. You may experience any of the side effects described in section 4.

### If you forget to take Tadalafil

Take your dose as soon as you remember if it is within 8 hours of when you should have taken your dose. Do not take a double dose to make up for a forgotten dose. You should not take Tadalafil more than once a day.

### If you stop taking Tadalafil

For the treatment of benign prostate hyperplasia and pulmonary arterial hypertension, do not stop taking your tablets, unless advised otherwise by your doctor.

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. These effects are normally mild to moderate in nature.

### If you experience any of the following side effects stop using the medicine and seek medical help immediately:

- allergic reactions including rashes (frequency common, may affect up to 1 in 10 people)
- chest pain - do not use nitrates but seek immediate medical assistance (frequency common, may affect up to 1 in 10 people)
- priapism, prolonged and possibly painful erection after taking Tadalafil (frequency uncommon, may affect up to 1 in 100 people)
- If you have such an erection, which lasts continuously for more than 4 hours you should contact a doctor immediately.
- sudden loss of vision (frequency rare, may affect up to 1 in 1,000 people), distorted, dimmed, blurred central vision or sudden decrease of vision (frequency not known)

Other side effects have been reported and these are listed below, separated by indication:

### Side effects in erectile dysfunction or benign prostatic hyperplasia

#### Common (may affect up to 1 in 10 people)

- headache, back pain, muscle aches, pain in arms and legs, facial flushing, nasal congestion and indigestion

#### Uncommon (may affect up to 1 in 100 people)

- dizziness, stomach ache, feeling sick, being sick (vomiting), reflux, blurred vision, eye pain, difficulty in breathing, presence of blood in urine, prolonged erection, pounding heartbeat sensation, a fast heart rate, high blood pressure, low blood pressure, nose bleeds, ringing in the ears, swelling of the hands, feet or ankles and feeling tired

#### Rare (may affect up to 1 in 1,000 people)

- fainting, seizures and passing memory loss, swelling of the eyelids, red eyes, sudden decrease or loss of hearing, high (itchy red) weals on the surface of the skin, penile bleeding, presence of blood in semen and increased sweating
- Heart attack and stroke have also been reported rarely in men taking Tadalafil. Most of these men had known heart problems before taking this medicine
- Partial, temporary, or permanent decrease or loss of vision in one or both eyes.

**Some additional rare side effects** have been reported in men taking Tadalafil that were not seen in clinical studies. These include:

- migraine, swelling of the face, serious allergic reaction which causes swelling of the face or throat, serious skin rashes, some disorders affecting blood flow to the eyes, irregular heartbeats, angina and sudden cardiac death
- distorted, dimmed, blurred central vision or sudden decrease of vision (frequency not known).

The side effect dizziness has been reported more frequently in men over 75 years of age taking tadalafil. Diarrhoea has been reported more frequently in men over 65 years of age taking tadalafil.

### Side effects in pulmonary arterial hypertension

#### Very common (may affect more than 1 in 10 people)

- headache, flushing, nasal and sinus congestion (blocked nose), nausea, indigestion (including abdominal pain or discomfort), muscle aches, back pain and pain in the extremity (including limb discomfort)

#### Common (may affect up to 1 in 10 people)

- blurred vision, low blood pressure, nosebleed, vomiting, increased or abnormal uterine bleeding, swelling of the face, acid reflux, migraine, irregular heartbeat and fainting

#### Uncommon (may affect up to 1 in 100 people)

- seizures, passing memory loss, hives, excessive sweating, penile bleeding, presence of blood in semen and/or urine, high blood pressure, fast heart rate, sudden cardiac death and ringing in the ears

Most but not all of those men reporting fast heart rate, irregular heartbeat, heart attack, stroke and sudden cardiac death had known heart problems before taking tadalafil. It is not possible to determine whether these events were related directly to tadalafil (see paragraph "Side effects in erectile dysfunction and benign prostatic hyperplasia" above).

### Reporting of side effects

If you get any side effects, talk to your doctor or pharmacist. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the Yellow Card Scheme ([www.mhra.gov.uk/yellowcard](http://www.mhra.gov.uk/yellowcard)) or search for MHRA Yellow Card in Google play or Apple App store. By reporting side effects you can help provide more information on the safety of this medicine.

## 5 How to store Tadalafil

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 Tadalafil contains

The active substance is tadalafil. Each film-coated tablet contains either 2.5 mg, 5 mg, 10 mg or 20 mg of tadalafil.

The other excipients are:

- lactose monohydrate, sodium laurilsulfate, povidone K-12, crospovidone (Type B), sodium stearyl fumarate in the core
- polyvinyl alcohol (E 1203), macrogol 3350 (E 1521), titanium dioxide (E 171), talc, iron oxide yellow (E 172) in the film-coating.

### What Tadalafil looks like and contents of the pack

#### Tadalafil 2.5 mg film-coated tablets

Ochre to yellow, round shaped film coated tablet of approximately 5 mm in diameter. On one side debossed with "2.5" and plain on the other side.

#### Tadalafil 5 mg film-coated tablets

Ochre to yellow, oval shaped film coated tablet of approximately 8 x 4 mm. On one side debossed with "5" and plain on the other side.

#### Tadalafil 10 mg film-coated tablets

Ochre to yellow, oval shaped film coated tablet of approximately 11 x 6 mm. On one side debossed with "10". The other side of the tablet is plain.

#### Tadalafil 20 mg film-coated tablets

Ochre to yellow, oval shaped film-coated tablet of approximately 15 x 9 mm. On one side debossed with "20". The other side of the tablet is bi-scored. The tablet can be divided into equal halves and/or quarters.

The film-coated tablets are packed in Aluminium/OPA/aluminium/PVC blisters or PVC/ACLAR/PVC-aluminium blisters or PVC/ACLAR/PVdC/PVC KPMAX-aluminium blisters and inserted in a carton.

Pack sizes:

#### Tadalafil 2.5 mg film-coated tablets

28x1 film-coated tablets.

#### Tadalafil 5 mg film-coated tablets

14x1, 24x1, 28x1, 84x1 film-coated tablets.

#### Tadalafil 10 mg film-coated tablets

4x1, 12x1, 24x1 film-coated tablets.

#### Tadalafil 20 mg film-coated tablets

4x1, 8x1, 12x1, 24x1, 56x1 film-coated tablets. Not all pack sizes may be marketed.

### Marketing Authorisation Holder and Manufacturer

#### Marketing Authorisation Holder

Sandoz Limited  
Park View, Riverside Way  
Watchmoor Park  
Camberley, Surrey  
GU15 3YL  
United Kingdom

#### Manufacturer

Lek Pharmaceuticals d.d., Verovškova ulica 57, 1526 Ljubljana, Slovenia

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