What is Tenofovir and how is it used for

Tenofovir is an antiretroviral medicine which is used to treat HIV or HBV infection or both. Tenofovir is a nucleotide reverse transcriptase inhibitor, generally given as an NRTI and works by interfering with the normal working of enzyme reverse transcriptase, which is essential for the viruses to reproduce themselves. In HIV infected persons, it should always be used combined with other medicines to treat HIV or HBV infection.

Tenofovir is a treatment for HIV (Human Immunodeficiency Virus) infection. The tablets are suitable for:

- adults
- adolescents aged 12 to less than 16 years who have already been treated with other HIV medicines or who are no longer fully effective due to development of resistance, or have caused side effects.

Tenofovir is also a treatment for chronic hepatitis B, in infection with hepatitis B virus (hepatitis B virus). The tablets are suitable for:

- adults
- adolescents aged 12 to less than 16 years.

If you have to have HIV to be treated with Tenofovir for HBV.

This medicine is not a cure for HIV. While taking it, you may still have symptoms of HIV infection, and you may spread HIV to other people.

You can also take HIV on HBV or HBV on HIV as long as you continue to take precautions to avoid infecting other people.

What do you need to know before you take Tenofovir

Do not take Tenofovir

- If you are allergic to tenofovir, tenofovir disoproxil or any of the other ingredients listed in section 6.
- If it is not necessary to do so, talk to your doctor immediately and don’t take Tenofovir.

Warnings and precautions

- Talk to your doctor or pharmacist before taking Tenofovir.

- Take care not to infect other people. You can still pass on HIV when taking this medicine, although the risk is lowered by effective antiretroviral treatment.
- Discuss with your doctor the precautions needed to avoid infecting other people.
- Reduce the risk of passing on HIV to others through sexual contact or blood-borne exposures.
- Tenofovir must continue to take precautions to avoid this.

- Your doctor may advise you to take Tenofovir if you have had kidney disease or if tests have shown abnormal kidney function. Tenofovir should not be given to adolescents with existing kidney problems before starting treatment. Your doctor may order blood tests to assess your kidney function. Tenofovir may affect your kidneys during treatment. Your doctor may order blood blood levels during treatment to monitor how your kidneys work. If you are an adult, your doctor may advise you to take the tablets less often. Do not reduce the prescribed dose unless your doctor advises you to do so.

- Tenofovir is not usually taken with other medicines that can damage your kidneys (see Other medicines and Tenofovir table below). If this is unavoidable, your doctor will monitor your kidney function once a week.

- Bone problems. Some adult patients with HIV taking combination antiretroviral therapy may develop a bone disease called osteonecrosis (death of bone tissue caused by loss of bone blood supply to the bone). This bone disease is a combination with a nucleoside reverse transcriptase inhibitor, corticosteroid use, alcohol consumption, severe immunosuppression, higher body mass index, among others, may be some of the many risk factors for developing this disease. Signs of developing this disease are joint aches, stiffness and pains (especially of the hip, knee and shoulders) and difficulty in movement. If you have osteonecrosis of the hip, please inform your doctor.

- Bone problems (sometimes resulting in fractures) may also occur due to damage to bone tissue cells (see section 4, Possible side effects).

- Talk to your doctor if you have a history of any bone disease, including osteoporosis (a bone disease with liver disease including chronic hepatitis B or C, who are treated with antiretrovirals, have a higher risk of severe and potentially fatal liver complications. If you have hepatitis B infection, your doctor will carefully consider the best treatment for you. If you have a history of hepatitis C, you probably have hepatitis B. Your doctor will tell you if you have hepatitis B. If you have hepatitis C, your doctor will tell you if you have hepatitis B.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

Other medicines and Tenofovir

- If you are taking any other medicines that may damage your kidneys, your doctor will carefully consider the best treatment for you.

- If you are allergic to tenofovir, tenofovir disoproxil fumarate, or any other medicines containing tenofovir, tenofovir disoproxil fumarate, or any other medicines containing tenofovir, tenofovir disoproxil fumarate, or any other medicines containing tenofovir, tenofovir disoproxil fumarate, please inform your doctor.

- If you are pregnant or think you may be pregnant, ask your doctor or pharmacist for advice before taking this medicine. Your doctor will tell you if it is safe to take this medicine during pregnancy, unless specifically discussed with your doctor.

- If you are breastfeeding, ask your doctor or pharmacist for advice before taking this medicine. Your doctor will tell you if it is safe to take this medicine while you are breastfeeding, unless absolutely necessary.

- In case of overdose, if you overdose, you should contact a doctor or hospital immediately.

- Do not take any anti-HIV medicines prescribed by your doctor or pharmacist if you are already taking Tenofovir.

- Do not take Tenofovir together with medicines containing adefovir.

- Tenofovir is not usually taken with other medicines that can damage your kidneys (see Other medicines and Tenofovir table below). If this is unavoidable, your doctor will monitor your kidney function once a week.

- Bone problems. Some adult patients with HIV taking combination antiretroviral therapy may develop a bone disease called osteonecrosis (death of bone tissue caused by loss of bone blood supply to the bone). This bone disease is a combination with a nucleoside reverse transcriptase inhibitor, corticosteroid use, alcohol consumption, severe immunosuppression, higher body mass index, among others, may be some of the many risk factors for developing this disease. Signs of developing this disease are joint aches, stiffness and pains (especially of the hip, knee and shoulders) and difficulty in movement. If you have osteonecrosis of the hip, please inform your doctor.

- Bone problems (sometimes resulting in fractures) may also occur due to damage to bone tissue cells (see section 4, Possible side effects).

- Talk to your doctor if you have a history of any bone disease, including osteoporosis (a bone disease with liver disease including chronic hepatitis B or C, who are treated with antiretrovirals, have a higher risk of severe and potentially fatal liver complications. If you have hepatitis B infection, your doctor will carefully consider the best treatment for you. If you have a history of hepatitis C, you probably have hepatitis B. Your doctor will tell you if you have hepatitis B. If you have hepatitis C, your doctor will tell you if you have hepatitis B.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

- Liver disease or chronic hepatitis B infection your doctor may conduct blood tests to monitor your liver function.

Other medicines and Tenofovir

- If you are taking any other medicines that may damage your kidneys, your doctor will carefully consider the best treatment for you.
If you have taken Tenofovir during your pregnancy, your doctor may request regular blood tests and other diagnostic tests to monitor the health of your child. In children whose mothers took Tenofovir during pregnancy, the drug passes into human breast milk. Your doctor should discuss the risks of drug exposure in this medicine passes into human breast milk.

Do not use any tools or machines.

against HIV outweighed the risk of side effects. The following side effects are very common (these can affect up to 1000 in every 1000 patients):

- increases in liver enzymes, including hepatitis (these can affect up to 1000 in every 1000 patients):
- superficial skin infections
- increased sweating
- skin irritation
- a double dose to make up for a forgotten tablet. If you have accidentally taken too many Tenofovir tablets, you may be at increased risk of experiencing possible side effects, although not everybody gets them.

Possible serious side effects: tell your doctor immediately:

- Lactic acidosis (excess lactate in the blood) is a rare (can affect up to 1 in 1000 patients) but serious side effect that can be fatal. The following side effects may be signs of lactic acidosis:
  - deep, rapid breathing
  - diarrhoea
  - feeling sick (nausea), being sick (vomiting)
  - pain in the tummy (abdomen)
  - deep, rapid breathing
  - inflammation of the kidney, passing a lot of blood
  - pain in the tummy
  - increased sweating
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
  - skin irritation
If you feel you that you may have any of these serious side effects, talk to your doctor.

Most frequent side effects

The following side effects are very common (these can affect up to 1 in 1000 patients):

- headache, stomach pain, feeling tired, feeling weak,бледность
- side effects may also have:
  - liver problems, carbon and bilirubin after ESR:
  - reporting of side effects
  - if you get any side effects, talk to your doctor or pharmacist immediately.
  - if you have particular difficulty swallowing, you can use a tablet of a spoon to crush the tablet. Then mix the powder with about 100 ml (half a glass) of water, orange juice or grape juice.
  - if you are a woman with HIV or HBV do not use lactose.
  - do not take a bicycle and do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofovir contains lactose do not use any tools or machines.

Tenofov