

LENANGIO[®] 5/10/15/25

Lenalidomide Hard Capsules (5mg, 10mg, 15mg, 25mg)

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What Lenangio is used for

What is Lenangio

Lenangio contains the active substance 'lenalidomide'. This medicine belongs to a group of medicines which affect how your immune system works.

What Lenangio is used for

Lenangio is used in adults for multiple myeloma.

What is multiple myeloma

Multiple myeloma is a type of cancer which affects a certain kind of white blood cell, called the plasma cell. These cells collect in the bone marrow and divide, becoming out of control. This can damage the bones and kidneys.

Multiple myeloma generally cannot be cured. However, the signs and symptoms can be greatly reduced or disappear for a period of time. This is called a 'response'.

Newly diagnosed multiple myeloma – in patients who have had a bone marrow transplant

Lenangio is used on its own as maintenance therapy after patients have recovered enough following a bone marrow transplant.

Newly diagnosed multiple myeloma – in patients who cannot have a bone marrow transplant

Lenangio is taken with an anti-inflammatory medicine called 'dexamethasone'. You will take this other medicine at the start of treatment and then continue to take Lenangio on its own.

Multiple myeloma – in patients who have had treatment before

Lenangio is taken together with an anti-inflammatory medicine called 'dexamethasone'.

How Lenangio works

Lenangio works by affecting the body's immune system and directly attacking the cancer. It works in a number of different ways:

- by stopping the cancer cells developing
- by stopping blood vessels growing in the cancer
- by stimulating part of the immune system to attack the cancer cells.

Lenangio can stop the signs and symptoms of multiple myeloma getting worse. It has also been shown to delay multiple myeloma from coming back following treatment.

Before you use Lenangio

- When you must not use it

Do not take Lenangio:

if you are pregnant, think you may be pregnant or are planning to become pregnant, as **Lenangio is expected to be harmful to an unborn child** (see below 'Before you start to use it' and 'While you are using it').

- if you are able to become pregnant, unless you follow all the necessary measures to prevent you from becoming pregnant (see below 'Before you start to use it' and 'While you are using it'). If you are able to become pregnant, your doctor will record with each prescription that the necessary measures have been taken and provide you with this confirmation.

- if you are allergic to lenalidomide or any of the other ingredients of this medicine listed in 'Ingredients'. If you think you may be allergic, ask your doctor for advice.

If any of these apply to you, do not take Lenangio. Talk to your doctor if you are not sure.

- Before you start to use it

Talk to your doctor or pharmacist before taking Lenangio.

For women taking Lenangio

Before starting the treatment, you should ask your doctor if you are able to become pregnant, even if you think this is unlikely.

If you are able to become pregnant:

- you will have pregnancy tests under the supervision of your doctor (before every treatment, at least every 4 weeks during treatment, and at least 4 weeks after the treatment has finished) except where it has been confirmed that the fallopian tubes have been severed and sealed, to stop eggs from

reaching the uterus (tubal sterilisation) AND

- you must use two effective methods of contraception for at least 4 weeks before starting treatment, during treatment, and until at least 4 weeks after stopping treatment. Your doctor will advise you on appropriate methods of contraception.

You should tell your doctor if you are using implants and levonorgestrel-releasing intrauterine systems as they are associated with an increased risk of infection at the time of insertion and irregular vaginal bleeding.

For men taking Lenangio

Lenangio passes into human semen. If your female partner is pregnant or able to become pregnant, and she does not use effective methods of contraception, you must use condoms during treatment and 4 weeks after the end of treatment, even if you have had a vasectomy.

All individuals

Before starting the treatment, you should tell your doctor if you had blood clots or taking combined oral contraceptive pills in the past. During the treatment with Lenangio, you have an increased risk of developing blood clots in the blood vessels.

Please also inform your doctor if you have the following conditions: Kidney impairment, underactive thyroid, severe skin reaction, liver disorder.

Before and during the treatment with Lenangio, you will have regular blood tests as Lenangio may cause a fall in the blood cells that help fight infection (white blood cells) and help the blood to clot (platelets). Your doctor will ask you to have a blood test:

- before treatment
- every week for the first 8 weeks of treatment then at least every month after that. Your doctor may adjust your dose of Lenangio or stop your treatment based on the results of your blood tests and on your general condition. If you are newly diagnosed, your doctor may also assess your treatment based on your age and other conditions you already have.

Before you start treatment, you should tell your doctor if you have kidney disease. Your doctor may adjust your dose of Lenangio based on this information. Please tell your doctor if you have:

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- had a heart attack, have ever had a blood clot, or if you smoke, have high blood pressure or high cholesterol levels.
- a high total amount of tumour throughout the body, including your bone marrow. This could lead to a condition where the tumours break down and cause unusual levels of chemicals in the blood which can lead to kidneys failure (this condition is called Tumour Lysis Syndrome).
- had an allergic reaction whilst taking thalidomide such as rash, itching, swelling, dizziness or trouble breathing.
- any signs of an infection, such as a cough or fever.
- or have ever had previous viral infection, particularly hepatitis B infection, varicella zona, HIV. If you are in doubt, talk to your doctor. Treatment with Lenangio may cause virus to become active again, in patients who carry the virus, resulting in a recurrence of the infection. Your doctor should check whether you have ever had hepatitis B infection.
- experienced in the past a combination of any of the following symptoms: rash on face or extended rash, red skin, high fever, flu-like symptoms, enlarged lymph nodes (signs of severe skin reaction called drug reaction with eosinophilia and Systemic Symptoms (DRESS)).

Elderly and people with kidney problems

If you are aged 75 years or older or have moderate to severe kidney problems – your doctor will check you carefully before starting treatment.

Children and adolescents

Lenangio is not recommended for use in children and young people under 18 years.

- Taking other medicines

Tell your doctor or nurse if you are taking or have recently taken any other medicines. This includes medicines obtained without a prescription including herbal medicines. This is because Lenangio can affect the way some other medicines work. Also, some other medicines can affect the way Lenangio works.

In particular, tell your doctor or nurse if you are taking any of the following medicines:

- some medicines used to prevent pregnancy such as oral contraceptives, as they may stop working.
- some medicines used for heart problems – such as digoxin

- some medicines used to thin the blood – such as warfarin

Other medicines not listed above may also interact with Lenangio. Your doctor and pharmacist have more information on medicines to be careful with or avoid while taking Lenangio.

How to use Lenangio

-How much to use

Lenangio must be given to you by healthcare professionals with experience in treating multiple myeloma.

- When Lenangio is used to treat multiple myeloma in patients who cannot have a bone marrow transplant or have had other treatments before, it is taken with dexamethasone.
- When Lenangio is used to treat multiple myeloma in patients who have had a bone marrow transplant, it is taken alone.

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

If you are taking Lenangio in combination with dexamethasone, you should refer to the package leaflet of dexamethasone for further information on its use and effects.

Lenangio dose

Lenangio is taken in treatment cycles, each cycle lasting 28 days.

Treatment cycle:

Lenangio is taken on certain days over 4 weeks (28 days).

- Each 28 days is called a 'treatment cycle'.
- Depending on the day of the cycle, you will take one or more of the medicines. However, on some days you do not take any of the medicines.
- After completing each 28-day cycle, you should start a new 'cycle' over the next 28 days.

How much Lenangio to take

Before you start treatment, your doctor will tell you:

- how much Lenangio you should take.
- how much of the other medicines you should take in combination with Lenangio, if any.
- on what days of your treatment cycle to take each medicine.

Your doctor may adjust your dose of

Lenangio or stop your treatment based on the results of your blood tests and on your general condition (see 'Before you use Lenangio').

- When to use it

You should swallow the Lenangio capsules whole, preferably with water. Do not break, open or chew the capsules. If powder from a broken Lenangio capsule makes contact with the skin, wash the skin immediately and thoroughly with soap and water. The Lenangio capsules can be taken either with or without food.

You should take Lenangio at about the same time on the scheduled days.

- How long to use it

Lenangio is taken in treatment cycles, each cycle lasting 28 days (see above 'Treatment cycle'). You should continue the cycles of treatment until your doctor tells you to stop.

- If you forget to use it

If you forget to take Lenangio at your regular time and:

- less than 12 hours have passed: take your capsule immediately.
- more than 12 hours have passed: do not take your capsule. Take your next capsule at the usual time the next day.

- If you use too much (overdose)

If you take more Lenangio than was prescribed, tell your doctor immediately.

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

While you are using it

- Things you must do

For women taking Lenangio

If you do become pregnant during the treatment with Lenangio, you must stop the treatment and inform your doctor immediately.

For men taking Lenangio

If your partner becomes pregnant whilst you are taking Lenangio, you should inform your doctor immediately. It is recommended that your partner seeks medical advice. You must also use effective methods of contraception.

- Things you must not do

This medicine has been prescribed for you only. Do not pass it on to others. It may harm

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them, even if their signs of illness are the same as yours.

You must not breast-feed when taking Lenangio, as it is not known if Lenangio passes into human milk.

You should not donate blood during treatment and for 4 weeks after the end of treatment.

- Things to be careful of

Do not drive or operate machines if you feel dizzy, tired, sleepy, have vertigo or blurred vision after taking Lenangio.

Lenangio contains lactose. If you have been told by your doctor that you have intolerance to some sugars, contact your doctor before taking Lenangio.

Side effects

Like all medicines, Lenangio can cause side effects, although not everybody gets them.

Serious side effects (very common)

Lenangio may reduce the number of white blood cells that fight infection and also the blood cells which help the blood to clot (platelets) which may lead to bleeding disorders e.g. nosebleeds and bruising. Lenangio may also cause blood clots in the veins (thrombosis).

Therefore you **must tell your doctor immediately** if you experience:

- Fever and flu like symptoms including fever, chills, sore throat, muscle ache, headache, cough, mouth ulcers or any other symptoms of infection including within the blood stream (sepsis)
- bleeding or bruising in the absence of injury
- chest pain or leg pain
- shortness of breath

Other side effects are given below

It is important to note that a small number of patients with multiple myeloma may develop additional types of cancer, and it is possible that this risk may be increased with Lenangio treatment.

Therefore your doctor should carefully evaluate the benefit and risk when you are prescribed Lenangio.

Very common side effects:

- A fall in the number of red blood cells which may cause anaemia leading to

tiredness and weakness

- Constipation, diarrhoea, nausea, redness of skin, rashes, vomiting, muscle cramps, muscle aches, bone pain, joint pain, tiredness, generalised swelling including swelling of the limbs
- Fever and flu like symptoms including fever, muscle ache, headache, earache and chills
- Numbness, tingling or burning sensation to the skin, pains in hands or feet, dizziness, tremor, taste disturbance
- Chest pain spreading to the arms, neck, jaw, back or stomach, feeling sweaty and breathless, feeling sick or vomiting, which may be symptoms of a heart attack (myocardial infarction)
- Decreased appetite
- Low levels of potassium in the blood
- Leg pain (which could be a symptom of thrombosis), chest pain or shortness of breath (which may be a symptom of blood clots in the lungs, called pulmonary embolism)
- Infections of all types
- Infection of the lung and the upper respiratory tract, shortness of breath
- Blurred vision
- Clouding of your eye (cataract)
- Kidney problems
- Changes to a protein in the blood that can cause swelling of the arteries (vasculitis)
- Increases in your blood sugar level (diabetes)
- Headache
- Dry skin
- Stomach pain
- Mood change, difficulty sleeping

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

You may report any side effects or adverse drug reactions directly to the National Centre for Adverse Drug Reaction Monitoring by calling Tel: 03-78835490, or visiting the website npra.moh.gov.my [Consumers → Reporting Side Effects to Medicines (ConSERF) or Vaccines (AEFI)].

Storage and disposal of Lenangio

- Storage

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 blister and on the carton after "EXP". The expiry date refers to the last day of that month. Do not store this medicine above 30°C.

Do not use this medicine if you notice any damage or signs of tampering to the pack.

- Disposal

Do not throw away any medicines via wastewater or household waste. All unused Lenangio capsules should be returned to the pharmacist. These measures will help protect the environment.

Product description

- What it looks like

The hard capsules are provided in ALU/OPA/PVC Blister of 7's or 10's. The pack size is One blister of 7's, Two blisters of 7's, three blisters of 7's, four blisters of 7's or three blisters of 10's blisters.

Lenangio® 25 (Lenalidomide Hard Capsules 25 mg): White to off white colored powder filled in size '0' hard gelatin capsules with opaque white colored cap imprinted 'RDY' with black ink and opaque white colored body imprinted '25mg' with black ink

Lenangio® 15 (Lenalidomide Hard Capsules 15 mg): White to off white colored powder filled in size '1' hard gelatin capsules with blue colored cap imprinted 'RDY' with black ink and white colored body imprinted '15mg' with black ink.

Lenangio® 10 (Lenalidomide Hard Capsules 10 mg): White to off white colored powder filled in size '2' hard gelatin capsules with pale green colored cap imprinted 'RDY' with black ink and pale yellow colored body imprinted '10mg' with black ink.

Lenangio® 5 (Lenalidomide Hard Capsules 5 mg): White to off white colored powder filled in size '4' hard gelatin capsules with White opaque colored cap imprinted 'RDY' with black ink and White opaque colored body imprinted '5mg' with black ink"

- Ingredients

Active Ingredient

- Lenalidomide

Inactive ingredients

- *Capsule contents:* Povidone K30, Mannitol, Microcrystalline cellulose, Croscarmellose Sodium and Magnesium Stearate
- *Printing ink:* Shellac, dehydrated alcohol, isopropyl alcohol, butyl alcohol, propylene glycol, ammonia, black iron oxide, potassium hydroxide and purified water

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Lenangio[®] 5 (Lenalidomide Hard Capsules 5 mg):

- Capsule shell: Bovine Gelatin, Titanium Dioxide and Purified Water

Lenangio[®] 10 (Lenalidomide Hard Capsules 10 mg):

- Capsule shell: Bovine Gelatin, Titanium Dioxide, FD & C Blue 2 and Purified Water

Lenangio[®] 15 (Lenalidomide Hard Capsules 15 mg):

- Capsule shell: Bovine Gelatin, Titanium Dioxide, Iron Oxide Yellow, FD & C Blue 2 and Purified Water

Lenangio[®] 25 (Lenalidomide Hard Capsules 25 mg):

- Capsule shell: Bovine Gelatin, Titanium Dioxide and Purified Water

- MAL numbers

Lenangio[®] 5 – MAL20046071AZ

Lenangio[®] 10 – MAL20046072AZ

Lenangio[®] 15 – MAL20046073AZ

Lenangio[®] 25 - MAL20046074AZ

Manufacturer

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9, Phase - III, Duvvada, VSEZ,
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Product Registration Holder

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