## PRODUODOPA™

Solution for subcutaneous infusion

The active ingredient and its quantity:

Each vial contains: Foslevodopa 240 mg/ml

Foscarbidopa 12 mg/ml

For the list of inactive ingredients, please see section 6 "Further information" and section 2 "Important information about some of the ingredients of the medicine" in this leaflet.

Read the leaflet carefully in its entirety before using the medicine. This leaflet contains concise information about the medicine. If you have further questions, refer to the doctor or pharmacist

This medicine has been prescribed to treat your ailment/you. Do not pass it on to others. It may harm them even if you think that their ailment/medical condition is similar.

In addition to the leaflet, there is a Patient Safety Card for Produodopa. This card contains important safety information you must know and adhere to before starting and during the course of treatment with Produodopa. Read the Patient Safety Information Card and the patient leaflet before starting to use the preparation. Keep the card for further reading, if needed. 1. WHAT IS THE MEDICINE INTENDED FOR?

## What Produodopa is used for Produodopa is intended for the treatment of advanced levodopa-responsive Parkinson's disease

accompanied by severe hyperkinesia or involuntary motor disturbances, when available combinations of Parkinson's disease medicinal preparations are ineffective. Therapeutic group: Anti-Parkinson's medicines, foslevodopa and decarboxylase inhibitor. How Produodopa works

In the body, foslevodopa turns into dopamine, which is added to the dopamine already in your brain and spinal cord. Dopamine helps transfer signals between nerve cells.

Too little dopamine causes Parkinson's disease symptoms, such as: tremor, feeling stiff, slow movement, and problems keeping your balance. Treatment with foslevodopa increases the amount of dopamine in your body, and thereby reduces these

- The role of foscarbidopa is to improve the effect of foslevodopa and to reduce the side effects of
- 2. BEFORE USING THE MEDICINE
- if you are sensitive (allergic) to the active ingredients, or to any of the additional ingredients contained in the medicine (for the list of inactive ingredients, see section 6). if you have an eye problem called 'narrow-angle glaucoma'. if you have severe heart problems.

Do not use the medicine:

if you have severe heart rhythm disturbances.

if you have had an acute stroke.

if you are taking medicines called non-selective MAO inhibitors and selective MAO-A inhibitors, such as modobemide or phenelzine. Stop taking these medicines at least two weeks before starting treatment with Produodopa.

if you have a tumor of the adrenal gland (pheochromocytoma). if you have hormone problems, such as excessive secretion of cortisol (Cushing's syndrome), or your

if you have had skin cancer in the past, or you have any unusual moles or marks on the skin which have Do not use Produodopa if any of the above conditions apply to you. If you are not sure, talk to your doctor before using the medicine. not been looked at by your doctor.

Special warnings regarding the use of the medicine Pefore treatment with Produodopa, tell the doctor if:

you have ever had a heart attack, blocked blood vessels in your heart, or any other heart problems, including heart rhythm disturbances (arrhythmia).

you have a lung problem, such as asthma.

you have ever had a hormone problem.
you have ever had depression with suicidal thoughts or other mental problems. you have an eye problem called 'wide-angle glaucoma'.

you have ever had a stomach ulcer. you have ever had fits (convulsions)

you have a kidney or liver disease.

you have to follow a low-sodium diet (see 'Produodopa contains sodium').

you have skin changes at the infusion site such as redness, warmth, swelling, pain, or discoloration when

you have sincreased weakness, pain, numbness or loss of sensation in the fingers or legs (polyneuropathy). Your doctor will check for these signs and symptoms before treatment with Produodopa is initiated and periodically thereafter. Tell your doctor if you already have neuropathy or a medical condition that is associated with neuropathy. If any of the above conditions apply to you or if you are not sure, consult your doctor before using the medicine.

(dyskinesia) or an increase in stiffness or slowness of movements. Your daily dosage may need adjustments, or the device might be obstructed. Neuroleptic malignant syndrome Do not stop treatment with Produodopa unless your doctor tells you to do so, this is because stopping or quickly lowering the Produodopa dosage may cause a serious problem called 'neuroleptic malignant syndrome'.

Tell your doctor if you, your family, or caregiver notices you are developing urges or cravings to behave in ways that are unusual for you, or that you cannot resist the impulse, drive, or temptation to carry out certain activities

Tell the doctor if you notice involuntary and uncontrollable movements of the limbs, back, neck, or chin

that could harm you or others. These behaviors are called 'impulse control disorders' and can include: addictive gambling excessive eating or money spending high sex drive or an increase in sexual thoughts or feelings
 Your doctor may need to review the treatments you are receiving. The doctor will discuss with you ways of managing or reducing these symptoms (see section 4 'Impulse control disorders – changes in your behavior').

Produodopa and cancer

Dopamine dysregulation syndrome Tell your doctor if you, your family, or caregiver notices you are developing addiction-like symptoms leading to craving for large dosages of Produodopa and other medicines used to treat Parkinson's disease.

Impulse control disorders - changes in your behavior

Infusion site infections Tell the doctor if you notice any skin changes at the infusion site, such as redness, warmth, swelling, pain, or discoloration when applying pressure to the area. Follow aseptic (sterile) techniques while using this medicine and regularly change the infusion site (at least every 72 hours), using a new infusion set. Make sure the new infusion site is at least 2.5 cm from a site used in the last 12 days. You may need to change the infusion site more often than every 72 hours, if you notice any of the above-mentioned skin changes.

In the body, foscarbidopa (one of the active ingredients of Produodopa) is broken down into a substance called 'hydrazine'. Hydrazine could damage your genetic material which could cause cancer. However, it is not known if the amount of hydrazine produced when taking a normal dosage of Produodopa can cause this.

Produodopa is not intended for children and adolescents under 18 years of age. There is no information regarding the safety and efficacy of use of Produodopa in children and adolescents under 18 years of age.

Interactions/Drug interactions If you are taking, or have recently taken, other medicines, including non-prescription medicines and nutritional supplements, tell the doctor or pharmacist. Especially if you are taking: medicines to treat tuberculosis - such as isoniazid

medicines to treat high blood pressure medicines to treat spasms in the blood vessels - such as papaverine

medicines to treat anxiety – such as benzodiazepines medicines to treat nausea or vomiting - such as metoclopramide

medicines to treat fits (convulsions) or epilepsy – such as phenytoin medicines to treat psychiatric diseases – such as phenothiazines, butyrophenones and risperidone medicines to treat Parkinson's disease – such as tolcapone, entacapone, opicapone and amantadine

medicines to treat depression – such as tricyclic antidepressants including amoxapine and trimipramine Tell the doctor or pharmacist if you are taking medicines from the COMT enzyme inhibitor group, which may

Tell the doctor or pharmacist if you are taking medicines called sympathomimetics, such as salbutamol (to treat asthma), phenylephrine (anticongestant), isoproterenol, dobutamine to treat low blood pressure. Use of sympathomimetics together with levodopa can increase the risk of high blood pressure (hypertension)

increase levodopa levels in the blood. The doctor may adjust the dosage of one of the medicin

Tell the doctor or pharmacist if you are taking medicines known to be metabolized by an enzyme called 'CYP1A2' – such as: caffeine (helps alertness) melatonin (helps with sleep) fluvoxamine, duloxetine (anti-depressants to improve mood) clozapine (to control schizophrenia)

Certain medicines (such as selegiline) may lower blood pressure, and therefore may make you feel dizzy when you get up from a chair or bed (orthostatic hypotension). Produodopa may make these dizzy feelings worse. Slowly moving from a lying to a standing position can make you feel less dizzy.

Do not use Produodopa if you are taking: medicines to treat depression called selective MAO-A inhibitors and non-selective MAO inhibitors such as moclobemide or phenelzine.

Use of the medicine and food Since Produodopa is not administered to the digestive system, food has no effect on the medicine. Pregnancy, breastfeeding and fertility

Pregnancy:

Produodopa.

the doctor or nurse.

feeling dizzy

depression suicidal thoughts

fainting abdominal pain

or irregular heartbeats (arrhythmia).

theophylline (helps with asthma)

If you are pregnant or breastfeeding, think you may be pregnant or are planning a pregnancy, consult your doctor before using this medicine. Produodopa is not recommended during pregnancy or in women of childbearing potential not using contraception unless the benefits for the mother outweigh the possible risks to the unborn baby.

There is no information regarding use of Produodopa in pregnant women.

Breastfeeding: It is not known if Produodopa passes into breast milk. Stop breastfeeding during treatment with Produodopa.

Driving and using machinery Do not drive or operate hazardous machinery while using Produodopa until you are sure how the medicine affects you.

Produodopa may make you feel very sleepy, or you may suddenly fall asleep (sleep attacks). Produodopa may lower your blood pressure, and make you feel dizzy.

Do not drive or use any tools or machinery until you feel fully awake again or you no longer feel dizzy. Important information about some of the ingredients of the medicine

3. HOW SHOULD THE MEDICINE BE USED? Always use the medicine according to the doctor's instructions. Check with the doctor or pharmacist if you are uncertain about the dosage and the treatment regimen of the medicine

Produodopa contains a high amount of sodium. Talk to the doctor or pharmacist if you need 9 ml or more of Produodopa per day for a prolonged period, especially if you have to follow a low-sodium diet.

How to use Produodopa Before starting treatment, you or your caregiver will be trained in how to use the medicine and the infusion pump. The nurse will adjust the pump settings, so the dosage fits your needs

Do not exceed the recommended dose.

The pump will continuously inject the medicine into you over 24 hours. You may need to reload the pump with a new syringe within the 24 hours, to make sure you have enough medicine in your blood to control your symptoms

Produodopa is a solution that is administered under your skin (a form called 'subcutaneous infusion'), usually in the abdomen, but at a 5 cm diameter distance around the navel, using an infusion pump. Dosage
The dosage and treatment regimen will be determined by the doctor only.

If needed, extra doses (an available option on your pump) will be given to you to manage sudden "Off" symptoms which may occur during the continuous infusion – this will be decided by the doctor.
 For interruptions longer than 3 hours, you may need to self-administer a loading dose (an available option on your pump) before resuming the continuous infusion to quickly re-establish your symptom control.
 Read section 7 "Instructions for Use of Produodopa infusion using the Vyafuser pump" before using

If you accidentally take a higher dosage of Produodopa The following effects may happen with an overdose of Produodopa:

uneven, fast or slow heartbeats (arrhythmia) low blood pressure (hypotension)

Adhere to the treatment regimen as recommended by the doctor.

Usually, a continuous maintenance dose will be given to you.

If you took an overdose or if a child has accidentally swallowed the medicine, refer immediately to a doctor or proceed to a hospital emergency room and bring the package of the medicine with you. If you forget to take Produodopa If you forgot to use Produodopa, start the pump with your normal dosage as soon as possible. Produodopa can be interrupted for brief periods of time, such as when taking a shower. Make sure to change the infusion set (tubing and cannula) and rotate to a different infusion site if you stopped the infusion for longer than one hour. For interruptions longer than 3 hours, you may need to self-administer a loading dose to quickly re-establish your symptom control. The loading dose option is available in your pump, as set by the doctor or purse.

Even if there is an improvement in your health, do not stop treatment with the medicine without consulting the doctor If you stop taking the medicine

Do not stop the treatment or lower the dosage of Produodopa unless the doctor has instructed you to do so. A sudden interruption or quick lowering of the Produodopa dosage may cause a severe side effect called neuroleptic malignant syndrome. Do not take medicines in the dark! Check the label and the dose <u>each time</u> you take medicine. Wear glasses if you need them.

If you have further questions regarding the use of the medicine, consult the doctor or pharmacist.

Stop using Produodopa and refer to a doctor immediately if the following serious side effects occur. You

4. SIDE EFFECTS As with any medicine, the use of Produodopa may cause side effects in some users. Do not be alarmed when reading the list of side effects. You may not suffer from any of them.

seeing, hearing or feeling things that are not there (hallucination)

Common side effects - effects that occur in 1-10 in 100 users:

infusion site reactions (redness, appearance of a mass, swelling, pain)

might need urgent medical treatment:

 angle-closure glaucoma (acute eye pain, headache, blurred vision, nausea and vomiting).
 Your doctor will decide if you can continue using Produodopa. Very common side effects - effects that occur in more than one user in ten: infusion site infections (cellulitis and abscess)

infusion site effects (bruising, peeling of thin layers of skin, leakage of the medicine, bleeding, inflammation, irritation, appearance of a mass, appearance of a bump, itching, rash) decreased appetite false beliefs (delusions)

problems with ability to think, learn and remember (cognitive problems) involuntary movements (dyskinesia) uncontrollable muscle spasms - that affect the eyes, head, neck and body (dystonia) headache reduced sense of touch, tingling or numbness, burning or prickling feeling in the hands, arms, legs or

feet (hypoesthesia, paresthesia) progressive weakness or pain or numbness or loss of sensation in the fingers or feet (polyneuropathy) rapid or unexpected return of Parkinson's symptoms - called the 'on and off phenomenon' suddenly falling asleep (sleep attacks), feeling very sleepy, sleep disorders high or low blood pressure

lack of energy, feeling weak (fatigue) swelling in the lower legs or hands caused by accumulation of fluid (peripheral edema)

feeling dizzy when standing up or changing positions (orthostatic hypotension) – due to low blood pressure. Always change positions slowly, and do not stand up quickly

constipation dry mouth nausea, diarrhea, or vomiting unable to control urine (urinary incontinence)

weight loss sleep difficulty (insomnia) rashes, itching, increased sweating muscle spasms

psychotic disorder

agitation

feeling short of breath feeling generally unwell anemia abnormal dreams

difficulty passing urine (urinary retention)

reduction in vitamin B6 levels in the body

pain sensation difficulty swallowing or changes in taste (bitter taste) uneven heartbeats

hair loss, skin redness, hives having more saliva than usual a change in the way you walk suicide attempt or suicide

painful erection that does not pass

teeth grinding

Impulse control disorders - behavioral changes Some people are unable to resist the impulse to do something that could be harmful to themselves or others. This may include: a strong impulse to gamble too much, despite serious implications for you or your family

having a feeling of a swollen stomach (abdominal distention), flatulence, indigestion (dyspepsia)

a change or increase in sexual thoughts and behavior of significant concern to you or your family. This could include an increased sexual drive

excessive shopping or spending too much money, which cannot be controlled binge eating – eating large amounts of food in a short time, or compulsive eating – eating more food than normal and more than your body needs. Tell the doctor if you, your family, or caregiver notices any of these behvaviors. The doctor may review your treatment. The doctor will discuss ways of managing or reducing these symptoms with you.

Uncommon side effects – effects that occur in 1-10 in 1,000 users:

craving for high dosages of Produodopa beyond what is required to control motor symptoms, known as 'dopamine dysregulation syndrome' paranoia dark urine hoarse voice, chest pain

reduction in the number of white blood cells or changes in blood cell count which may cause bleeding

unusual marks or moles on the skin that appear or get worse, or skin tumor (malignant melanoma)

problems in controlling movements and making strong movements you cannot control problems opening the eyes, double vision, blurred vision, optic nerve damage (optic ischemic neuropathy) irregular heartbeat that you can feel (palpitations) Rare side effects - effects that occur in 1-10 in 10,000 users:

dark saliva or sweat, burning feeling on your tongue, hiccups.

elevated mood (euphoria), increased sexual interest, dementia, feeling of fear

Continuous Infusion

**Loading Dose** 

removal regulations or as directed by the doctor, pharmacist or nurse

Follow the steps below every time you need to refill your pump with Produodopa.

• Wash your hands with soap and water and dry them. Make sure the flat surface is clean. This will help to avoid contamination when preparing the syringe. Place the following items on the flat surface:

Syringe (in its original package)

Produodopa solution vial Vial adapter (in its original package). Use a new vial adapter with each new Produodopa solution vial.

If a side effect occurs, if one of the side effects worsens, or if you suffer from a side effect not mentioned in the leaflet, consult the doctor.

Side effects can be reported to the Ministry of Health by clicking on the link "Report Side Effects of Drug Treatment" found on the Ministry of Health homepage (<a href="www.health.gov.il">www.health.gov.il</a>), which directs you to the online form for reporting side effects or by entering the link:

Avoid poisoning! This medicine and any other medicine must be stored in a closed place out of the reach and sight of children and/or infants to avoid poisoning. Do not induce vomiting unless explicitly instructed

Do not use the medicine after the expiry date (exp. date) that appears on the package. The expiry date refers to the last day of that month.

Store refrigerated (between 2°C-8°C). Do not freeze.

The vials can be stored at a temperature of up to 30°C for a single period of up to 28 days (the carton package includes a space designated for recording the date of removal from the refrigerator).

Once the medicine has been stored at room temperature, do not return it to the refrigerator.

After opening the vial, use immediately. Transfer all the contents of the vial all at once to the syringe for administration and then throw away the empty vial.

Do not reuse an opened vial. The vial is for single use only.

After transferring the medicine from the vial to the syringe, use the syringe within 24 hours. Do not use the remnants of the medicine in the syringe after 24 hours.

Do not dispose of medicines via wastewater or household waste. Ask the pharmacist how to dispose of medicines no longer in use. These measures will help to protect the environment.

In addition to the active ingredients, the medicine also contains:
Sodium hydroxide 10N, water for injection, hydrochloric acid, concentrated, hydrochloric acid, nitrogen.

Colorless to yellow to brown solution that might have a purple or red tint. Variations in color are expected and have no impact on medicine quality. The solution may become darker in color after piercing of the vial stopper or while in the syringe.

Registration holder and address: AbbVie Biopharmaceuticals Ltd., 4 Haharash St., Hod Hasharon, Israel, Manufacturer and address: AbbVie Inc. 1 North Waukegan Road, North Chicago, Illinois 60064, USA.

Sterile, single-use accessories (syringe, infusion set and vial adapter) will be provided separately.

Registration number of the medicine in the National Drug Registry of the Ministry of Health:

7. INSTRUCTIONS FOR USE OF PRODUODOPA INFUSION USING THE VYAFUSER™ PUMP

The nurse will adjust the pump settings for you, so you will always get the right dosage.

If anything is unclear and if you have any question - refer to your doctor or nurse.

Do not dilute the Produodopa solution or fill the syringe with any other solution.

temperature. For example, do not warm in a microwave or in hot water.

refully read the instructions below – these instructions explain how to prepare and use Produodopa.

Produodopa is given by subcutaneous infusion with the aid of the Vyafuser pump and its components (syringe, infusion set, vial adapter).

You must also carefully read the full instructions for use before using Produodopa:

Before you start treatment, your doctor or nurse will tell you how to take the medicine and how to handle

The medicine should be at room temperature before the infusion. If the vial is refrigerated, remove the vial from the refrigerator and allow to sit at room temperature out of sunlight for 30 minutes. If the medicine is refrigerated, do not warm it (whether it is in the vial or syringe) in any way other than leaving it at room

This leaflet was checked and approved by the Ministry of Health in June 2023.

Read all the entire section below before using Produodopa.

If not used within 28 days when stored at room temperature, discard the package.

What the medicine looks like and the contents of the package:

Reporting side effects

https://sideeffects.health.gov.il

to do so by the doctor.

6. FURTHER INFORMATION

173-60-37468-99

Important information

Each pack contains 7 vials of 10 ml each.

vial adapter instructions for use infusion set instructions for use

How to prepare the medicine

2. Preparing the solution vial

2) Attach vial adapter to the vial.

the plastic packaging for step 3.

c. Pull the packaging straight off of the vial adapter.

mark or until you see air at the tip of the syringe.

b. You will see air (head space) at the tip of the syringe.

7) Inspect for air bubbles.

8) Manually remove air bubbles.

bubbles.

acceptable

1. Setting up

Vyafuser pump instructions for use

5. HOW SHOULD THE MEDICINE BE STORED?

Alcohol pads Inspect the medicine vial, vial adapter and syringe for expiry date and for any defects. Do not use the vial, vial adapter or syringe if their sterile packaging has been damaged.
 Do not use the Produodopa solution, vial adapter or syringe if the expiry date has passed.
 Do not use the Produodopa solution if it is cloudy or contains flakes or particles.

1) Prepare vial. a. Remove the plastic cap from the vial.

For detailed information, see the vial adapter instructions for use.

The vial adapter may look different from the one shown in the picture.

b. Wipe the top of the vial with an alcohol pad and allow it to dry.

a. Peel off the paper cover from the vial adapter package. Keep the vial adapter in b. Use the plastic packaging to firmly push the vial adapter, straight down onto the vial until it snaps into place. 3) While firmly holding the vial adapter, attach the syringe to the vial adapter by

4) Turn it upside down and hold the syringe vertically, with the vial on top. 5) It is important to hold the syringe pointing straight up.

a. Make sure you withdraw the entire contents of the vial into the syringe.

pushing and then screwing it into place (clockwise). Do not overtighten.

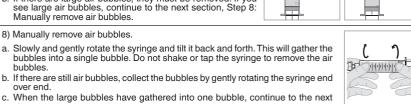
6) While holding the syringe firmly in one hand, pull down the plunger rod with the other hand to withdraw the full contents of the vial into the syringe to the 12 ml

OK

0

OK

 a. Small bubbles are acceptable and air at the tip of the syringe is expected. If you see small air bubbles or do not see any bubbles, skip the next section and go to Step 9: Push air out 0 of the syringe. b. If there are large air bubbles, they must be removed. If you see large air bubbles, continue to the next section, Step 8: Manually remove air bubbles.



9) Push air out of the syringe. a. With the vial still attached, point the syringe upward.b. Slowly push the air out of the syringe and into the vial. Some resistance will be

felt as the air is pushed back into the vial.

11) Disconnect the syringe from the vial adapter.

12) The syringe is now ready for use.

3. Setting up your Produodopa infusion

and twist until tight.

Attach the infusion set tubing to the new syringe

4. Choosing and preparing the infusion sites

irritation (e.g., near the beltline).

least 1 minute.

and solution is visible in the syringe tip.

c. Continue pushing until all of the air is pushed out of the syringe and into the vial

d. If you are tilting the syringe, you may see a small air bubble in the corner. This is

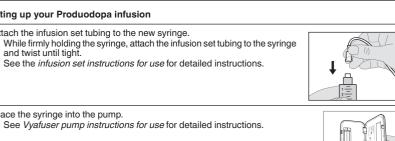


 Unscrew the syringe from the vial adapter. When disconnecting the syringe from the vial, do not push the plunger or the solution will leak. c. Place the syringe on a clean surface, making sure the syringe tip does not contact an unclean surface.

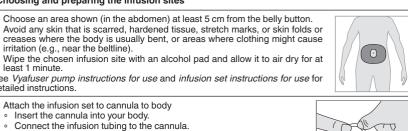
See the infusion set instructions for use for detailed instructions.

Place the syringe into the pump.
 See Vyafuser pump instructions for use for detailed instructions.

a. Hold the vial adapter firmly with one hand and the barrel of the syringe with the



See Vyafuser pump instructions for use for detailed instructions.



· Pump delivery options

therapeutic state quickly. The extra dose is only available if it is set up by your doctor.

When option is available

Main mode that delivers a continuous dose of Produodopa throughout the day. Always available, as prescribed. A small, single-volume dose given over a short period of time (bolus) to achieve the desired Extra Dose

5. Start Produodopa infusion Start the pump. See the Vyafuser pump instructions for use for detailed

**Purpose** 

desired therapeutic state quickly, only available after the pump has been off for an extended period and if it is set up by your doctor. The pump has alternative delivery options available which can be set up by the doctor if needed. The empty vial with the vial adapter still attached should be disposed of in accordance with local waste

See Vyafuser pump instructions for use and infusion set instructions for use for detailed instructions. Attach the infusion set to cannula to body Insert the cannula into your body. Connect the infusion tubing to the cannula. See infusion set instructions for use for detailed instructions.

Prime the infusion set tubing. Priming means that the pump pushes the medicine from the syringe through the infusion set tubing to eliminate air in the line.

A large single dose given over a short period of time (bolus) that may be delivered to achieve the After therapy has not been delivered for an extended period of time, the option is defined by the "Loading Dose" lockout time (minimum of 3 hours).

PRD APL TIK SEP 23 CL P5