

Lorlatinib

Lorbrena®

Cancer-directed targeted therapy in tablets

Understanding your treatment

What is targeted therapy?

This treatment targets specific molecules, which are inside or on the surface of cancer cells. By targeting cancer cells, the targeted therapy limits damage to healthy cells. This type of treatment can be used alone or in combination with other treatments such as chemotherapy.

How can a targeted therapy help you?

Depending on your type of cancer and the stage of the disease, a targeted therapy can be used to :

- **Destroy** cancer cells
- **Stop** the cancer from spreading
- **Slow** the growth of cancer cells

How will you feel while on a targeted therapy?

Even though those treatments target cancer cells and limit damage to healthy cells, side effects can still arise.

Not everyone has side effects and each person's experience may differ. Side effects and their severity are not representative of the treatment's effect or lack thereof.

This document presents the most frequent side effects that your targeted therapy causes.

Medication

Lorlatinib

Tablets to take by mouth

Administration

To be taken once daily

Take with or without food

On a continuous basis



A **blood test** will be done throughout your treatment. Depending on the results and side effects, the dose of the medication might be adjusted or the treatment might be interrupted.

How to take your medication?

- Take your lorlatinib tablets as prescribed once daily, at the same time every day. You may take your medication on an empty stomach or with food and a large glass of water or juice. If you have difficulty tolerating it, for example, if it causes a stomach ache, take it while you eat.
- Tablets must be taken whole. Do not chew, split or crush the tablets.
- **If you forget a dose**, you may take it as soon as you remember if there is more than 4 hours until your next dose. If there is less than 4 hours, wait until your next dose and do not double that dose. Try to take your pills at the same time every day and in the same way (either with or without food).

Storing and handling your medicines



- Wash your hands immediately after handling your tablets.
- Keep your medication at room temperature, out of the reach of children and pets as well as protected from light, heat or moisture. Do not keep medicines in the bathroom.
- Don't throw away unused medication at home. Bring it back to your pharmacy to be destroyed safely. You may dispose of the empty containers in your home garbage can.
- If the pills inadvertently come in contact with the surrounding surface, wash and rub the surface with water and soap.
- Caregivers should wear disposable gloves if they prepare medication for you. You can find disposable gloves at your local community pharmacy.
- Keep your medications in their original container and do not mix them with other drugs. The container should never be reused to put other objects or food.

How can this treatment affect your daily life?

Fatigue and appetite



- You may experience **fatigue** during your treatments. This is usually temporary and may be related to different reasons (medication, stress, the disease). Maintain a good level of activity but rest when you feel the need to.
- Your **appetite may diminish**. Eat more often, in smaller quantities.
- Your **sense of taste may be altered**. Enhance foods with *fines herbes* or lemon juice. Eating fruits and unsweetened candies, chewing non-sugared gums, etc., may mask the metallic taste.
- **Alcohol** in small quantities is allowed and will not affect the efficacy of the treatments.



Sex life and birth control



- You can have an **active sexual** life during your treatments. However, a decrease in your sexual drive may occur during this period. This may also be influenced by different factors (fatigue, stress, etc.).
- It's safe to kiss, to touch, to hold hands, to sleep in the same bed and to cuddle.
- The effect of the drug on male or female fertility is unknown. This medication may have an effect on the menstrual cycle as well as spermatozoid production. However, this does not prevent erection or sexual activity and as such, you can have an active sexual life during your treatments. Pregnancy is possible and this medication could be harmful to the fetus. The use of an effective method of contraception is highly recommended during treatments and up to 4 months after the end of treatments for men and up to 3 weeks for women. Breast-feeding is contraindicated during treatment and for the 7 days following the end of treatment.

Foods and medicines to avoid



- **Grapefruit**
You must avoid consuming grapefruit, Seville orange, starfruit, pomelo, pomegranate or foods containing them. The consumption of those foods could increase the side effects of lorlatinib.

Tips and precautions



- **Sit down to urinate and fold down the toilet lid**
Women as well as men should sit down to urinate and fold down the toilet lid before flushing in order to avoid splashing. Flush twice to make sure everything has been flushed away. Follow these precautions during your treatments (or according to instructions from your cancer center).
- **Bodily fluids**
During the treatment period, it's possible that a certain quantity of the medication is found in some bodily fluids or secretions that you produce, such as urine, stools, vomit, sperm and vaginal discharge. In order to protect the environment and those living with you, follow the instructions given by your cancer center about the right way to handle and dispose of the bodily fluids.



- **Over the counter medicines, natural health products and vaccines**
Consult your healthcare team:
 - if you intend to take any other medication (with or without a prescription) or natural health products.
 - if you need to receive a vaccine.This could decrease your treatment's efficacy or increase its side effects.
- **Always have on hand the complete list of your medications**
Be sure to always have on hand the complete list of your medications, dietary supplements, vitamins and other natural health products. Give it to your doctor and your pharmacist. It is important to make them aware of any change.



What are the side effects of your treatment?

This fact sheet aims to let you know the side effects most commonly seen following the administration of your treatment. Please note that when you take any medication, there is a possibility that it causes rare side effects and it is difficult to predict which patients will be affected.

ADVERSE EFFECTS

MANAGEMENT

Fluid retention

Gradual fluid retention may occur with consecutive treatments and may present itself by swelling of the ankles and feet. Rarely, the swelling could extend to the hand, face and eyelids.

- Raise your feet while sitting.
- Sleep in an upright position to decrease swelling of your face.
- Avoid wearing tight clothes.
- Weight yourself regularly.
- ✔ **Continue your treatment but contact your healthcare team if:** you have mild swelling: you have gained weight but less than 3 kilos (6,6 pounds).
- ⚠ **Continue your treatment and call your healthcare team as soon as possible if:** you have moderate swelling: you have gained weight, more than 3 kilos (6,6 pounds), but you do not have difficulty breathing.
- ✖ **Stop your treatment and call your healthcare team as quickly as possible or go to the Emergency Room if:** you have severe swelling: you have gained weight, more than 3 kilos (6,6 pounds) and you have difficulty breathing.

Numbness or tingling of the hands and feet

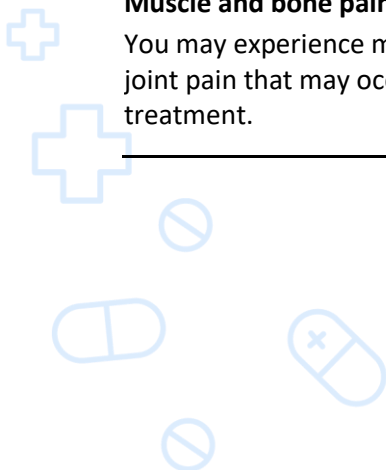
You may experience numbness or tingling of the hands and feet. This phenomenon usually increases with the number of treatments received.

- ✔ **Continue your treatment but contact your healthcare team if:** you have light loss of sensitivity or light tingling sensation at your fingertips and feet that do not prevent you from doing your daily activities.
- ⚠ **Continue your treatment and call your healthcare team as soon as possible if:** you have moderate loss of sensitivity or moderate tingling sensation at your fingertips and feet that partially prevent you from doing your daily activities.
- ✖ **Stop your treatment and call your healthcare team as quickly as possible if:** you have severe loss of sensitivity or severe tingling sensation at your fingertips and feet that almost completely prevent you from doing your daily activities.

Muscle and bone pain

You may experience muscle, bone and joint pain that may occur during your treatment.

- If this occurs, speak to a member of your healthcare team who will recommend medication for pain.



Nausea

Nausea and vomiting, usually light, may occur.

- You will be prescribed medication to be taken as needed if you have nausea.
- ✔ **Continue your treatment if:** you have light nausea that does not prevent you entirely from eating. Make sure to continue your medication prescribed for your nausea.
- ⚠ **Continue your treatment and call your healthcare team as soon as possible if:** you have significant nausea, experience vomiting that is partially preventing you from eating. Make sure to continue your medication prescribed for your nausea.
- ✖ **Stop your treatment and call your healthcare team as quickly as possible or go to the Emergency Room if:** you have severe nausea or repeated vomiting that prevents you completely from eating.

Diarrhea

You may sometimes experience diarrhea.

- Drink lots of liquids (8 to 10 glasses a day) unless otherwise instructed by your doctor.
- Eat and drink often but in small quantities.
- ✔ **Continue your treatment if:** you have light diarrhea (2 to 3 additional loose stools per day compared to usual before starting your treatment). Start loperamide (Imodium®) by taking 2 tablets first followed by one tablet after each loose stool for a maximum of 8 tablets per 24 hours period. Contact a member of your healthcare team if the diarrhea does not improve after taking loperamide for 24 hours.
- ⚠ **Continue your treatment and call your healthcare team as soon as possible if:** you experience more than 4 to 6 additional loose stools per day compared to usual before starting your treatment). Start loperamide (Imodium®) by taking 2 tablets first followed by one tablet after each loose stool for a maximum of 8 tablets per 24 hours period.
- ✖ **Stop your treatment and call your healthcare team as quickly as possible or go to the Emergency Room if:** you have 7 or more additional loose stools per day compared to usual before starting your treatment, if you are not able to hold it in (incontinence) or if you have diarrhea with a fever.

Memory loss, confusion

This medication can cause memory loss, difficulty talking, confusion, change in mood and hallucinations.

- Communicate with a member of your healthcare team or go to the Emergency Room if these symptoms seriously affect your functioning or behavior.

Decrease in platelets

A decrease in platelets may occur during your treatment. You may bruise or bleed more easily than you normally do.

- Use a tooth brush with soft bristles.
- Consult your pharmacist before taking over the counter medications containing Aspirin® or other anti-inflammatory medication (e.g. Advil®, Motrin®, Aleve®, etc.).
- Contact a member of your healthcare team if you bruise more easily than you normally do or if you have a tendency to bleed easily from the nose or the gums.

Visual disturbances

Visual disturbances can occur usually within the first 2 weeks of treatment.

You may see objects followed by a luminous trail (such as light, sparks, colors), black or white spots in your visual field, or have blurred or double vision.

In most cases, those visual disturbances are of mild intensity and usually temporary.

- If you experience these symptoms you should use caution when driving or operating machines.
- If you present those symptoms or if they are worsening, communicate with a member of your healthcare team.

Blood sugar

Your blood sugar may increase during your treatment.

- If you are diabetic, check your blood sugar levels more often. If the values are higher than usual, communicate with a member of your healthcare team.
- For everyone, if you feel very thirsty and if you urinate in greater amounts and more often, communicate with a member of your healthcare team quickly.

Hair loss

Usually there is **no hair loss** with this treatment.



RARE ADVERSE EFFECTS THAT CAN BE SEVERE OR SERIOUS

If the following side effects occur, stop your treatment and call your healthcare team as quickly as possible or go to the Emergency Room:

- Cough and/or persistent fever
- Sudden difficulty breathing
- Irregular or slow heartbeats

PHARMACIST: _____

PHONE: _____

FROM ____ H____ TO ____ H____ (MONDAY TO FRIDAY)

This fact sheet has been prepared by a sub-committee of the Comité national de l'évolution de la pratique des soins pharmaceutiques of the Programme québécois de cancérologie of the Ministry of Health and Social Services in consultation with the Comité de l'évolution de la pratique en oncologie of the Institut national d'excellence en santé et en services sociaux.

DEVELOPED **NOVEMBER 2019**



Treatment Diary | Lorlatinib 30 days

CYCLE START DATE:

LEGEND

- ✔ Continue your treatment.
- ⚠ Continue your treatment and contact your healthcare team as soon as possible.
- ✖ Stop your treatment and contact your healthcare team without delay or go to the Emergency Room.

Refer to the information sheet for more details.

TREATMENT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
(Record the dose taken) mg																														

Date (dd-mm)

FLUID RETENTION (SWELLING)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
✔	Mild swelling: you have gained weight but less than 3 kilos (6,6 pounds).																														
⚠	Moderate swelling: you have gained weight, more than 3 kilos (6,6 pounds), but you do not have difficulty breathing.																														
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NUMBNESS OR TINGLING OF THE HANDS AND FEET		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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