



Mass General Brigham
Mass General Cancer Center

Ibrance (palbociclib)

Oral targeted therapy teaching

Topics to Discuss:

1

Treatment Regimen

What is oral targeted cancer therapy?

What is palbociclib (Ibrance)?

How to take palbociclib (Ibrance)

Keeping Track of Your Medication

Side Effects

2

Other Information

Drug Interactions

Supportive Care Resources

Storage, Handling, and Disposal

Sexuality & Fertility

3

Treatment Team

Your Treatment Team

When to Call

Important Phone Numbers

What is Oral Targeted Cancer Therapy?

- Oral targeted therapy is oral cancer therapy that is taken by mouth and comes in a tablet or capsule form.
- It may be prescribed along with other types of cancer therapies such as chemotherapy or hormone therapy.
- Oral targeted therapy “targets” the changes in cells that cause cancer.
- It can identify and attack certain types of cancer cells and can impact the environment in which a cancer cell grows, or it can target and alter cells that help cancer grow.

1

Treatment Regimen

What is oral targeted cancer therapy?

What is palbociclib (Ibrance)?

How to take palbociclib (Ibrance)

Keeping Track of Your Medication

Side Effects

What is Ibrance (palbociclib)?

- Ibrance (palbociclib) is known as a CDK4/6 inhibitor and is a type of oral targeted therapy
- **How does it work?** Ibrance (palbociclib) blocks proteins known as CDK (cyclin-dependent kinase) 4 and 6. When activity of CDK 4 and 6 is increased, there is a loss of cell cycle control that leads to increased cell growth and division. By blocking CDK 4 and 6, Ibrance (palbociclib) disrupts breast cancer cell growth and slows tumor progression.
- Ibrance (palbociclib) is used in combination with either endocrine therapy (anastrozole, exemestane, letrozole, tamoxifen, or fulvestrant) to treat advanced or metastatic breast cancer.

How to take Ibrance (palbociclib)?

You will take palbociclib following a 28-day cycle:

- Take one tablet of palbociclib once daily for 21 days. Do not take palbociclib for the next 7 days (rest period).
- Take with or without food
- Take around the same time each day

You will take palbociclib in combination with endocrine therapy:

- An aromatase inhibitor (anastrozole, letrozole, exemestane) or tamoxifen should be taken every day throughout the 28-day cycle (no rest period) when used with palbociclib.
- Palbociclib may instead be combined with fulvestrant (Faslodex) injection.

How to take Ibrance (palbociclib)?

- Take your medication as directed by your cancer team.
- Ibrance (palbociclib) has a **specific schedule** that should be followed for safety and efficacy.
- Your cancer team may modify the dose or schedule based on lab results or side effects.
- Swallow whole with water and do not break, chew, or crush your tablet or capsule.
- If you miss a dose, skip the dose and continue your regular dosing schedule. **Do not** take 2 doses at the same time to make up for the missed dose.

Keeping Track of Your Ibrance (palbociclib)

- Create a medicine calendar either on paper or in your tablet or phone to keep track of your doses.
- Share the calendar with your cancer treatment team at visits.
- Pill boxes can be used to keep track of your oral targeted therapy doses. Do not mix other pills in the box you use for your oral targeted therapy.

Keeping Track of Your Ibrance (palbociclib)

Your Dosing Tracker

For IBRANCE® (palbociclib) + Fulvestrant

My IBRANCE start date this cycle: _____ My IBRANCE dose: _____
month | day | year

Record your start date and mark every day you take your therapy.

Here's your checklist:

- Record the day you start taking IBRANCE and tell your healthcare team your start date.
- Weeks 1-3 (Days 1-21), take IBRANCE. Week 4 (Days 22-28), don't take IBRANCE. Be sure to follow your dosing schedule exactly as your healthcare team prescribes.
- Check off your daily IBRANCE doses.
- Record the days you receive your fulvestrant injections.
- Print out a new tracker every time you start a cycle and record any dosage changes.
- Remember to refill your IBRANCE prescription on time and always follow your healthcare team's instructions.

DAY OF THE WEEK							
WEEK ONE IBRANCE							
WEEK TWO IBRANCE							
WEEK THREE IBRANCE							
WEEK FOUR							
NO IBRANCE							

Link to Tracker: [Click Here for the Link to the Tracker!](#)

Please see Indication and Important Safety Information on page 2.
Click for the [Full Prescribing Information](#) and [Patient Information](#) or visit [IBRANCE.com](#).



Side Effects of Ibrance (palbociclib)

- Fatigue or tiredness
- Nausea, vomiting
- Diarrhea
- Headache
- Hair thinning or hair loss
- Rash
- Cough
- Infections
- Low blood counts
 - Decrease in white blood cells that fight infection
 - Decrease in red blood cells that deliver oxygen throughout the body
 - Decrease in platelets that help blood to clot

How to Prevent Infections

- Wash your hands with soap and warm water for 20 seconds after touching surfaces and dry your hands thoroughly afterwards
- Use a hand sanitizer if you cannot readily wash your hands
- Avoid having contact with other people who are sick
- Avoid crowds of people

Ibrance (palbociclib) May Have Drug Interactions

- Some drugs or supplements should not be taken at the same time as other drugs because they can cause side effects or cause the drug to not work well. This is called a drug interaction.
- Tell your treatment team of **ALL** prescription and over-the-counter medications (this includes vitamins and herbal products)
- Some common drug interactions include:
 - Black Cohosh
 - Ginseng supplements
 - Red Clover
 - St John's Wort
 - Grapefruit, grapefruit juice, pomegranate juice
- Talk with your treatment team or pharmacist before starting any new medications or supplements

Supportive Care Resources

- Yoga
- Acupuncture / Acupressure
- Massage
- Support groups
- Survivorship programs
- Workshops
- Music therapy, Art therapy
- To learn more about Supportive Care offerings log onto cancercenterpx.org

Storage and Handling of Ibrance (palbociclib)

- Keep this medicine in its original bottle or separate pill box – do not mix other medications into the pill box.
- Store at room temperature in a dry location away from direct light.
- Keep this medicine out of reach from children and pets.
- Wash your hands before and after handling this medicine.

Disposal of Ibrance (palbociclib)

- If you have unused medication, do not throw it in the trash and do not flush it down the sink/toilet.
- You may dispose of this medication by:
 1. Calling your city or county's trash and recycling service for information on hazardous drug take-back programs in your community.
 2. Bringing unused oral targeted therapy to MGH Boston and disposing in the blue drug take-back receptacles located outside of the Main Lobby Yawkey elevators or near the retail pharmacy in the Wang building.
 3. Asking your treatment team or pharmacist for more information.

Sexuality and Birth Control

- It is fine to be sexually active while receiving a Ibrance (palbociclib).
- **Ibrance (palbociclib) can harm a developing baby.** You should not get pregnant or get someone pregnant while on Ibrance (palbociclib).
- Use a reliable birth control during treatment and for at least 3 weeks after receiving the last dose of a Ibrance (palbociclib).
- Use a protective barrier such as a condom throughout Ibrance (palbociclib) treatment. This is also to protect your partner from exposure through body fluids.

Fertility

- Infertility means you cannot become pregnant or make someone pregnant. Infertility can be temporary or permanent.
- Ibrance (palbociclib) may affect fertility in men. Ibrance (palbociclib) has not been shown to affect fertility in women.
- Do not breastfeed during treatment and for at least 3 weeks after receiving the last dose of Ibrance (palbociclib). This is to protect your infant from exposure through breast milk.
- Before starting treatment, talk with your treatment team about your fertility and what you can do.
 - Sperm banking for men and egg harvesting for women may be options before starting treatment.
 - Women can still get pregnant even if their menstrual period changes or stops. **Always use a reliable form of birth control.**

Your Breast Cancer Team

- Oncologist
- Nurse Practitioner
- Pharmacist
- Oncology Social Worker
- Practice Nurse
- Infusion Nurse

When to Call

- **Signs of infection:** fever of 100.4 degrees or higher, chills or a very bad sore throat
- **Signs of bleeding:** black, tarry or bloody stool; throwing up blood (may look like coffee grounds)
- Fast or **irregular heartbeats**, feeling dizzy or faint
- **Symptoms of liver problems:** dark urine, yellowing of skin or eyes, loss of appetite, pain on the upper right side of your abdomen
- **Diarrhea:** more than 4 loose bowel movements in a day; diarrhea along with weakness, dizziness, or fever

Contact Information

Phone Numbers

- Boston: 617-726-6500
- Waltham: 781-487-6100
- Danvers: 978-882-6060

Patient Portal: patientgateway.org



Mass General Brigham