

ORAL CHEMOTHERAPY EDUCATION



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DASATINIB

Name of your medication

Generic name — dasatinib (da-SA-tih-nib)
Brand name — Sprycel® (SPRY-sel)

Common uses

Dasatinib is used to treat adults and children with chronic myeloid leukemia (CML) that is Philadelphia chromosome–positive (Ph+). Dasatinib is also used to treat adults with acute lymphoblastic leukemia (ALL) that is Ph+.

Dasatinib may also be used for other treatments.

Dose and schedule

Taking dasatinib as instructed is important to allow your treatment to be as effective as possible, so here are some key points to remember.

- Your dose may vary, but the usual dose of dasatinib is 100 milligram (100 mg) to 140 milligrams (140 mg) to be taken by mouth at a scheduled time once a day. Doses in children are based on body weight.
- Dasatinib can be taken with or without food, but at the same time each day.
- Dasatinib should be taken whole and not crushed, cut, or dissolved. If you are unable to swallow dasatinib, talk to your care provider or pharmacist for possible options.
- If you miss a dose of dasatinib, **do not** take an extra dose or two doses at one time. Simply take your next dose at the regularly scheduled time.
- Be sure to write down if you miss a dose, and let your care provider know about any missed doses.

Drug and food interactions

- Dasatinib has many drug interactions. Inform your care providers of all prescription medications, over-the-counter medications, vitamins, herbal products, and antacids that you are taking.
- Grapefruit or grapefruit juice may interact with dasatinib; avoid eating or drinking these during your treatment with dasatinib.
- Talk with your care provider or pharmacist before taking new medications or supplements, or receiving any vaccines.
- Dasatinib contains 135 mg of lactose monohydrate in 100 mg daily dose and 189 mg lactose monohydrate in a 140 mg daily dose. Tell your healthcare provider if you are lactose intolerant.

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DASATINIB

Storage and handling

Handle dasatinib with care. Just like when chemotherapy is given into the vein, this drug can be toxic, and exposure of the drug to others should be limited.

- Store dasatinib at room temperature (68°F–77°F) in a dry location away from light.
- Keep dasatinib out of reach of children and pets.
- Leave dasatinib in the provided packaging until it is ready to be taken.
- Whenever possible, you should give dasatinib to yourself and follow the steps below. If a family member, friend, or caregiver needs to give the dasatinib to you, they also need to follow these steps:
 1. Wash hands with soap and water.
 2. Put on gloves to avoid touching the medication. (Gloves are not necessary if you give the drug to yourself.)
 3. Gently transfer the dasatinib from its package to a small medicine or other disposable cup.
 4. Administer the medicine immediately by mouth with water.
 5. Remove gloves and do not use them for anything else.
 6. Throw gloves and medicine cup in household trash.
 7. Wash hands with soap and water.
- If a daily pill box or pill reminder will be used, contact your care team before using:
 - The person filling the box or reminder should wear gloves (gloves are not necessary if you are filling the box or reminder).
 - When empty, the box or reminder should be washed with soap and water before refilling. Be sure to wash hands with soap and water after the task is complete, whether or not gloves are worn.
- If you have any unused dasatinib, **do not** throw it in the trash and **do not** flush it down the sink or toilet. Talk to your care provider or pharmacist about proper disposal of dasatinib.
- If you are traveling, put your dasatinib in a sealed plastic bag. Ask your pharmacist if any additional travel precautions are needed.

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DASATINIB

Side Effects of Dasatinib

Common side effects that have been known to happen in about one third or more of patients taking dasatinib are listed on the left side of this table. You MAY NOT experience these side effects. Options to help manage any side effects that do occur are included on the right side of this table. These should be discussed with your care provider. If you experience any side effect you cannot manage or that is not listed here, contact your care provider.

Possible Side Effect	Management
<p>Decreased platelet count and increased risk of bleeding</p>	<p>Your platelets should be monitored by a simple blood test. When they are low, you may bruise or bleed more easily than usual.</p> <ul style="list-style-type: none"> • Use caution to avoid bruises, cuts, or burns. • Blow your nose gently, and do not pick your nose. • Brush your teeth gently with a soft toothbrush, and maintain good oral hygiene. • When shaving, use an electronic razor instead of razor blades. • Use a nail file instead of nail clippers. <p>Call your care provider if you have bleeding that won't stop. Examples include:</p> <ul style="list-style-type: none"> • A bloody nose that bleeds for more than 5 minutes despite pressure • A cut that continues to ooze despite pressure • Gums that bleed excessively when you floss or brush <p>Seek medical help immediately if you experience any severe headaches, observe blood in your urine or stool, cough up blood, or experience prolonged and uncontrollable bleeding.</p> <p>You may need to take a break or hold your medication for medical or dental procedures. Talk to your care provider or dentist before any scheduled procedures.</p>
<p>Decreased white blood cells (WBCs) and increased risk for infection</p>	<p>Your WBCs should be monitored by a simple blood test. When your WBCs are low, you are at a greater risk of having an infection. Take the following precautions to protect yourself from infection.</p> <ul style="list-style-type: none"> • Wash your hands often, especially before eating and after using the bathroom. • Avoid crowds and people with fevers, flu, or other infection. • Bathe regularly to keep good personal hygiene. <p>Contact your care provider if you experience any signs or symptoms of an infection such as:</p> <ul style="list-style-type: none"> • Fever (temperature more than 100.4°F or 38°C) • Chills • Sore throat • Burning with urination • Unusual tiredness • A sore that becomes red, is draining, or does not heal <p>Check with your care provider before taking any medicine for a fever or chills.</p>

Continued on the next page

ORAL CHEMOTHERAPY EDUCATION



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DASATINIB

Possible Side Effect	Management
<p>Decreased hemoglobin, part of the red blood cells that carry iron and oxygen</p>	<p>Your hemoglobin should be monitored by a simple blood test. When your hemoglobin is low, you may notice that you get tired or fatigued more easily.</p> <ul style="list-style-type: none"> • Try to get 7–8 hours of sleep per night. • Avoid operating heavy machinery if you feel too tired. • Find a balance between work and rest. • Stay as active as possible, but know that it is okay to rest as needed. • You might notice that you are more pale than usual. <p>Let your care provider know right away if you experience:</p> <ul style="list-style-type: none"> • Shortness of breath • Dizziness • Palpitations
<p>Fluid retention or swelling</p>	<ul style="list-style-type: none"> • Do not stand for long periods of time. • Keep your legs elevated when sitting or lying down. • Avoid eating salty foods, which can increase swelling. • Avoid wearing tight-fitting clothing and shoes. • Weigh yourself daily. <p>Contact your care provider if you notice any of the following:</p> <ul style="list-style-type: none"> • Swelling in the hands, feet, or legs • Shortness of breath • Weight gain of five pounds or more in a week
<p>Headache</p>	<p>Ask your provider what you may use to help with this discomfort. Contact your care provider right away if your headache:</p> <ul style="list-style-type: none"> • Follows a head injury • Is severe or starts suddenly • Does not go away after 3 days • Is associated with vomiting, visual disturbance, neck stiffness, drowsiness, confusion, rash, weakness in an arm or leg, or numbness; or is made worse by coughing or lowering the head.

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DASATINIB

Possible Side Effect	Management
Diarrhea (loose and/or urgent bowel movements)	<p>Monitor how many bowel movements you have each day.</p> <ul style="list-style-type: none">• Drink 8–10 glasses of water or fluid each day unless your care provider has instructed you to limit your fluid intake.• Eat small, frequent meals throughout the day rather than a few large meals.• Eat bland, low-fiber foods, such as bananas, applesauce, potatoes, chicken, rice, and toast.• Avoid high-fiber foods, such as raw vegetables, raw fruits, and whole grains.• Avoid foods that cause gas, such as broccoli and beans.• Avoid lactose-containing foods, such as yogurt and milk.• Avoid spicy, fried, and greasy foods. <p>Contact your provider if any of the following occur:</p> <ul style="list-style-type: none">• The number of bowel movements you have in a day increases by 4 or more.• You feel dizzy or lightheaded. <p>Your care provider may recommend an over-the-counter medication called loperamide (Imodium®) to help with your diarrhea, but talk to your care provider before starting this medication.</p>
Muscle or joint pain or weakness	<ul style="list-style-type: none">• Keep a diary of your pain, including a description of when and where the pain is occurring, what it feels like, and how long it lasts.• Stay as active as possible, but know that it is OK to rest as needed, too.• Tell your care provider if pain interferes with your activity. <p>If the pain or weakness bothers you, ask your provider what you may use to help with this discomfort. Take only pain medication that has been prescribed or recommended by your care provider.</p>

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DASATINIB

Serious side effects of dasatinib

- Seek medical attention right away if you have any chest pain or tightness, rapid heartbeat, dizziness, loss of consciousness, shortness of breath, vision changes, or slurred speech.
- Dasatinib may cause severe rash. Tell your doctor if you have any concerns with your skin. Treatment may be stopped if skin reactions occur.
- Growth and development should be monitored if dasatinib is used in children.
- Some patients taking dasatinib have experienced tumor lysis syndrome (TLS) when starting treatment. TLS is a condition that occurs when many cancer cells die very quickly and release their contents into the blood, which can damage the kidneys and other parts of the body. Your care provider may give you a medication or do blood tests to check for this side effect.
- Dasatinib may cause a condition called QT or QTc prolongation which is a heart rhythm that can cause fast, irregular heartbeats. These fast heartbeats may cause you to faint or have a seizure. In rare cases, this could be life-threatening. Tell your care team right away if you feel faint, lightheaded, dizzy, or if you feel your heart beating irregularly or fast, while taking dasatinib.
- Dasatinib may cause high blood pressure in the vessels of your lungs (pulmonary arterial hypertension). Report any shortness of breath, tiredness, or swelling.

If you experience ANY uncontrolled side effect, call your physician or healthcare center immediately:

(INSTITUTIONAL CONTACT INFO)

Handling body fluids and waste

Since dasatinib remains in your body for several days after it is taken, some of the drug may be present in urine, stool, sweat, or vomit. Once you have started to take dasatinib, it is important to follow the instructions below every day for as long as your treatment lasts. This will keep yourself, loved ones, and the environment as safe as possible.

- Pregnant women should avoid touching anything that may be soiled with body fluids from the patient.
- Toilet and septic systems
 - You may use the same toilet, septic tank, and/or sewer that you usually use. If you have a low-flow toilet, close the lid and flush twice to ensure all waste has been discarded.
 - If the toilet or toilet seat becomes soiled with urine, stool, or vomit, clean the surfaces before other people use the toilet.
 - Wash hands with soap and water after using the toilet.
- If you need a bedpan, be sure your caregiver knows to wear gloves to assist with cleanup and to wash the bedpan with soap and water every day.
- If you do not have good control of bladder or bowels, use a disposable pad with a plastic back, a diaper, or a sheet to absorb body waste.
- Wash any skin that has been exposed to body waste or dasatinib with soap and water.
- Linens or clothing that are soiled with body fluids or body waste should be washed separately from other linens and clothing. If you do not have a washer, place the soiled linens in a plastic bag until they can be washed.
- Wash hands with soap and water after touching linens or clothing that may be soiled with body fluids.

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Pregnancy, sexual activity, and contraception

- Women should not become pregnant and men should not get a partner pregnant while taking dasatinib. Men and women of childbearing age and potential should use effective contraception during therapy and for a minimum of 30 days after the last dose of dasatinib.
- Effective contraception could include 1 or more of the following: oral contraceptive, barrier methods, etc.
- Do not breastfeed while taking dasatinib and for 2 weeks after the last dose of dasatinib.
- Please inform your care provider if you become pregnant.
- It is safe to hug and kiss. Special precautions may be needed for sexual activity while on dasatinib, and you are encouraged to ask your care provider.

Obtaining medication

Talk with your care provider about the process for obtaining your dasatinib.

_____ (PHARMACY OR SPECIALTY PHARMACY CONTACT INFO)

Additional resources

Product website: <https://www.sprycel.com>

Product prescribing information: https://packageinserts.bms.com/pi/pi_sprycel.pdf

Product resources: <https://www.sprycel.com/resources>

Financial support: <https://www.sprycel.com/financial-support>

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Additional instructions

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Important notice: The Association of Community Cancer Centers (ACCC), Hematology/Oncology Pharmacy Association (HOPA), National Community Oncology Dispensing Association, Inc. (NCODA), and Oncology Nursing Society (ONS) have collaborated in gathering information for and developing this patient education guide. This guide represents a brief summary of the medication derived from information provided by the drug manufacturer and other resources. This guide does not cover all existing information related to the possible uses, directions, doses, precautions, warnings, interactions, adverse effects, or risks associated with this medication and should not substitute for the advice of a qualified healthcare professional. Provision of this guide is for informational purposes only and does not constitute or imply endorsement, recommendation, or favoring of this medication by ACCC, HOPA, NCODA, or ONS, who assume no liability for and cannot ensure the accuracy of the information presented. The collaborators are not making any representations with respect to the medications whatsoever, and any and all decisions, with respect to such medications, are at the sole risk of the individual consuming the medication. All decisions related to taking this medication should be made with the guidance and under the direction of a qualified healthcare professional.

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