PATIENT & CAREGIVER EDUCATION

Dasatinib

This information from UpToDate® Lexidrug™ explains what you need to know about this medication, including what it's used for, how to take it, its side effects, and when to call your healthcare provider.

Brand Names: US

Phyrago; Sprycel

Brand Names: Canada

APO-Dasatinib; REDDY-Dasatinib; Sprycel; TARO-Dasatinib; TEVA-Dasatinib

What is this drug used for?

- It is used to treat a type of leukemia.
- It may be given to you for other reasons. Talk with the doctor.

What do I need to tell my doctor BEFORE I take this drug?

- If you are allergic to this drug; any part of this drug; or any other drugs, foods, or substances. Tell your doctor about the allergy and what signs you had.

- If you have any of these health problems: Low potassium or magnesium levels.
- If you are taking any of these drugs: Cimetidine, dexlansoprazole, esomeprazole, famotidine, lansoprazole, nizatidine, omeprazole, pantoprazole, rabeprazole, or ranitidine.
- If you take any other drugs (prescription or OTC, natural products, vitamins). There are many drugs that interact with this drug, like certain drugs that are used for HIV, infections, or seizures.
- If you are breast-feeding. Do not breast-feed while you take this drug and for 2 weeks after your last dose.

This is not a list of all drugs or health problems that interact with this drug.

Tell your doctor and pharmacist about all of your drugs (prescription or OTC, natural products, vitamins) and health problems. You must check to make sure that it is safe for you to take this drug with all of your drugs and health problems. Do not start, stop, or change the dose of any drug without checking with your doctor.

What are some things I need to know or do while I take this drug?

For all patients taking this drug:

- Tell all of your health care providers that you take this drug. This includes your doctors, nurses, pharmacists, and dentists.
- Have your blood work, heart function, and lung function checked as you have been told by your doctor.
- If you are on a lactose-free diet, talk with your doctor. Some products have lactose.
- Avoid grapefruit and grapefruit juice.
- This drug may lower the ability of the bone marrow to make blood cells that the body needs. If blood cell counts get very low, this can lead to bleeding problems, infections, or anemia. If you have questions, talk with the doctor.
- You may have more chance of getting an infection. Wash hands often. Stay away from people with infections, colds, or flu.
- You may bleed more easily. Be careful and avoid injury. Use a soft toothbrush and an electric razor. Rarely, some bleeding problems have been deadly.
- This drug may raise the chance of a very bad lung problem (pulmonary arterial hypertension). This may

happen any time after starting this drug, even after more than 1 year of taking it. Talk with the doctor.

- If you are 65 or older, use this drug with care. You could have more side effects.
- This drug has caused fertility problems in animals. Fertility problems may affect being able to get pregnant or father a child.
- Pregnant people must not handle crushed or broken tablets. If a pregnant person touches a crushed or broken tablet, wash the area with soap and water right away.
- This drug may cause harm to the unborn baby if you take it while you are pregnant.
- If you may become pregnant, use birth control while taking this drug. You will also need to use birth control for 30 days after your last dose unless you have been told otherwise. Be sure you know how long to use birth control. If you get pregnant, call your doctor right away.
- If your sex partner may become pregnant, use birth control while taking this drug. You will also need to use birth control for 30 days after your last dose unless you have been told otherwise. Be sure you know how long to use birth control. If your partner gets pregnant, call the doctor right away.

Children:

- If giving this drug to your child and your child's weight changes, talk with the doctor. The dose of this drug may need to be changed.
- This drug may affect growth in children and teens in some cases. They may need regular growth checks. Talk with the doctor.

What are some side effects that I need to call my doctor about right away?

WARNING/CAUTION: Even though it may be rare, some people may have very bad and sometimes deadly side effects when taking a drug. Tell your doctor or get medical help right away if you have any of the following signs or symptoms that may be related to a very bad side effect:

- Signs of an allergic reaction, like rash; hives; itching; red, swollen, blistered, or peeling skin with or without fever; wheezing; tightness in the chest or throat; trouble breathing, swallowing, or talking; unusual hoarseness; or swelling of the mouth, face, lips, tongue, or throat.
- Signs of infection like fever, chills, very bad sore throat, ear or sinus pain, cough, more sputum or change in color of sputum, pain with passing urine, mouth sores, or wound that will not heal.
- Signs of bleeding like throwing up or coughing up blood;

vomit that looks like coffee grounds; blood in the urine; black, red, or tarry stools; bleeding from the gums; abnormal vaginal bleeding; bruises without a cause or that get bigger; or bleeding you cannot stop.

- Signs of electrolyte problems like mood changes; confusion; muscle pain, cramps, or spasms; weakness; shakiness; change in balance; an abnormal heartbeat; seizures; loss of appetite; or severe upset stomach or throwing up.
- Signs of high or low blood pressure like very bad headache or dizziness, passing out, or change in eyesight.
- Numbness or tingling in the hands or feet.
- Seizures.
- This drug may cause you to swell or keep fluid in your body. Tell your doctor if you have swelling, weight gain, or trouble breathing.
- Severe skin reactions have happened with this drug. These have included Stevens-Johnson syndrome (SJS), toxic epidermal necrolysis (TEN), and other severe skin reactions. Sometimes these have been deadly. Get medical help right away if you have signs like red, swollen, blistered, or peeling skin; other skin irritation (with or without fever); red or irritated eyes; or sores in

your mouth, throat, nose, or eyes.

- Patients with cancer who take this drug may be at a greater risk of getting a severe health problem called tumor lysis syndrome (TLS). This may lead to death. Call your doctor right away if you have a fast or abnormal heartbeat; any passing out; trouble passing urine; muscle weakness or cramps; upset stomach, throwing up, diarrhea, or not able to eat; or feel sluggish.
- Heart problems have happened with this drug. These include abnormal heartbeat (like prolonged QT interval), heart attack, or small strokes (TIAs). Call your doctor right away if you have chest pain; fast or abnormal heartbeat; shortness of breath; a big weight gain; swelling in the arms or legs; weakness on 1 side of the body; confusion; slurred speech; change in balance; drooping on one side of the face; change in eyesight; very bad dizziness; or passing out.
- Liver problems have happened with drugs like this one. The risk of liver problems may be higher if you already have liver problems. Call your doctor right away if you have signs of liver problems like dark urine, tiredness, decreased appetite, upset stomach or stomach pain, light-colored stools, throwing up, or yellow skin or eyes.

What are some other side effects of this drug?

All drugs may cause side effects. However, many people have no side effects or only have minor side effects. Call your doctor or get medical help if any of these side effects or any other side effects bother you or do not go away:

- Constipation.
- Stomach pain.
- Headache.
- Feeling tired or weak.
- Muscle or joint pain.
- Pain in arms or legs.
- Diarrhea, throwing up, upset stomach, and decreased appetite are common with this drug. If these happen, talk with your doctor about ways to lower these side effects. Call your doctor right away if any of these effects bother you, do not get better, or are severe.

These are not all of the side effects that may occur. If you have questions about side effects, call your doctor. Call your doctor for medical advice about side effects.

You may report side effects to your national health agency.

You may report side effects to the FDA at 1- 800-332-1088.

You may also report side effects at https://www.fda.gov/medwatch.

How is this drug best taken?

Use this drug as ordered by your doctor. Read all information given to you. Follow all instructions closely.

- Take this drug at the same time of day.
- Take with or without food.
- Swallow whole. Do not chew, break, or crush.
- If you have trouble swallowing, talk with your doctor.
- Keep taking this drug as you have been told by your doctor or other health care provider, even if you feel well.
- You will need to take special care when handling this drug. Check with the doctor or pharmacist to see how to handle this drug.
- Do not take antacids within 2 hours before or 2 hours after taking this drug.

What do I do if I miss a dose?

- Skip the missed dose and go back to your normal time.
- Do not take 2 doses at the same time or extra doses.

How do I store and/or throw out this drug?

- Store at room temperature in a dry place. Do not store in a bathroom.
- Some brands of this drug must be stored in the original container. Do not remove the anti-moisture cube or packet. Talk with your doctor or pharmacist if you are not sure.
- Keep all drugs in a safe place. Keep all drugs out of the reach of children and pets.
- Throw away unused or expired drugs. Do not flush down a toilet or pour down a drain unless you are told to do so. Check with your pharmacist if you have questions about the best way to throw out drugs. There may be drug take-back programs in your area.

General drug facts

- If your symptoms or health problems do not get better or if they become worse, call your doctor.
- Do not share your drugs with others and do not take anyone else's drugs.
- Some drugs may have another patient information leaflet. If you have any questions about this drug, please talk with your doctor, nurse, pharmacist, or other health care provider.

- Some drugs may have another patient information leaflet. Check with your pharmacist. If you have any questions about this drug, please talk with your doctor, nurse, pharmacist, or other health care provider.
- If you think there has been an overdose, call your poison control center or get medical care right away. Be ready to tell or show what was taken, how much, and when it happened.

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This generalized information is a limited summary of diagnosis, treatment, and/or medication information. It is not meant to be comprehensive and should be used as a tool to help the user understand and/or assess potential diagnostic and treatment options. It does NOT include all information about conditions, treatments, medications, side effects, or risks that may apply to a specific patient. It is not intended to be medical advice or a substitute for the medical advice, diagnosis, or treatment of a health care provider based on the health care provider's examination and assessment of a patient's specific and unique circumstances. Patients must speak with a health care provider for complete information about their health, medical questions, and treatment options, including any risks or benefits regarding use of medications. This information does not endorse any treatments or

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If you have questions or concerns, contact your healthcare provider. A member of your care team will answer Monday through Friday from 9 a.m. to 5 p.m. Outside those hours, you can leave a message or talk with another MSK provider. There is always a doctor or nurse on call. If you're not sure how to reach your healthcare provider, call 212-639-2000.

For more resources, visit www.mskcc.org/pe to search our virtual library.

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