



## PATIENT & CAREGIVER EDUCATION

# Dasatinib

This information from Lexicomp® 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**

Sprycel

### **Brand Names: Canada**

Sprycel

### **What is this drug used for?**

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

### **What do I need to tell the doctor BEFORE my child takes this drug?**

- If your child has an allergy to this drug or any part of this drug.
- If your child is allergic to any drugs like this one or any other drugs, foods, or other substances. Tell the doctor about the allergy and what signs your child had, like rash; hives;

itching; shortness of breath; wheezing; cough; swelling of face, lips, tongue, or throat; or any other signs.

- If your child has any of these health problems: Low potassium or magnesium levels.
- If your child is taking 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 infections, seizures, or stomach or bowel problems.
- If your child is taking St. John's wort. Do not give St. John's wort with this drug. This drug may not work as well.

### **If your child is breast-feeding a baby:**

- Be sure your child does not breast-feed a baby while taking this drug and for 2 weeks after the last dose.

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

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

### **What are some things I need to know or do while my child takes this drug?**

- Tell all of your child's health care providers that your child is

taking this drug. This includes your child's doctors, nurses, pharmacists, and dentists.

- Your child may have more chance of getting infections. Have your child wash hands often. Avoid crowds and people with infections, colds, or flu.
- If your child has an upset stomach or diarrhea, is throwing up, or is not hungry, talk with the doctor. There may be ways to lower these side effects.
- Have blood work checked as you have been told by the doctor. Talk with the doctor.
- Do not give antacids within 2 hours before or 2 hours after giving this drug.
- If your child is allergic to lactose or has lactose intolerance, talk with the doctor.
- Avoid giving your child grapefruit and grapefruit juice.
- Your child may bleed more easily. Make sure your child is careful and avoids injury. Be sure your child has a soft toothbrush. 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.
- Have your child's heart and lung function checked. Talk with your child's doctor.

- 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.
- This drug may affect fertility. Fertility problems may lead to not being able to get pregnant or father a child. Talk with the doctor.
- Pregnant women must not handle crushed or broken tablets. Talk with the doctor.

### **If your child is or may be sexually active:**

- Have your child use birth control to prevent pregnancy while taking this drug and for 1 month after stopping this drug.

### **If your child is pregnant:**

- This drug may cause harm to the unborn baby if your child takes it during pregnancy.
- If your child gets pregnant while taking this drug or within 1 month after the last dose, call the doctor right away.

### **What are some side effects that I need to call my child's 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 child's doctor or get medical help right away if your child has 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 low phosphate levels like change in eyesight, feeling confused, mood changes, muscle pain or weakness, shortness of breath or other breathing problems, or trouble swallowing.
- Very bad belly pain.
- Very upset stomach or throwing up.
- Severe diarrhea.
- Feeling very tired or weak.

- Numbness or tingling in the hands or feet.
- Seizures.
- This drug may cause your child to swell or keep fluid in his/her body. Tell your child's doctor if he/she has swelling, weight gain, or trouble breathing after this drug is given.
- A very bad skin reaction (Stevens-Johnson syndrome/toxic epidermal necrolysis) may happen. It can cause very bad health problems that may not go away, and sometimes death. Get medical help right away if your child has signs like red, swollen, blistered, or peeling skin (with or without fever); red or irritated eyes; or sores in the mouth, throat, nose, or eyes.
- Patients with cancer who take this drug may be at greater risk of getting a severe health problem called tumor lysis syndrome (TLS). This may lead to death. Call your child's doctor right away if your child has 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 feels sluggish.
- Heart problems like a type of abnormal heartbeat (prolonged QT interval) have happened with this drug. Call your child's doctor right away if your child has chest pain or pressure, a fast or abnormal heartbeat, shortness of breath, a big weight gain, swelling in the arms or legs, or very bad dizziness or passing out.

## **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 child's doctor or get medical help if any of these side effects or any other side effects bother your child or do not go away:

- Headache.
- Belly pain.
- Upset stomach or throwing up.
- Diarrhea.
- Not hungry.
- Feeling tired or weak.
- Muscle or joint pain.
- Constipation.
- Pain in arms or legs.

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

You may report side effects to your national health agency.

### **How is this drug best given?**

Give this drug as ordered by your child's doctor. Read all information given to you. Follow all instructions closely.

- Give this drug at the same time of day.
- Give this drug with or without food.

- Have your child swallow whole. Do not let your child chew, break, or crush.
- If your child has trouble swallowing, talk with the doctor.
- To gain the most benefit, do not miss giving your child doses.
- Keep giving this drug to your child as you have been told by your child's doctor or other health care provider, even if your child feels 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.

### **What do I do if my child misses a dose?**

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

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

- Store at room temperature.
- Store in a dry place. Do not store in a bathroom.
- 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 child's symptoms or health problems do not get better or if they become worse, call your child's doctor.
- Do not share your child's drug with others and do not give anyone else's drug to your child.
- Keep a list of all your child's drugs (prescription, natural products, vitamins, OTC) with you. Give this list to your child's doctor.
- Talk with your child's doctor before giving your child any new drug, including prescription or OTC, natural products, or vitamins.
- 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.
- 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.

## **Consumer Information Use and Disclaimer**

This information should not be used to decide whether or not to take this medicine or any other medicine. Only the healthcare provider has the knowledge and training to decide which medicines are right for a specific patient. This

information does not endorse any medicine as safe, effective, or approved for treating any patient or health condition. This is only a brief summary of general information about this medicine. It does NOT include all information about the possible uses, directions, warnings, precautions, interactions, adverse effects, or risks that may apply to this medicine. This information is not specific medical advice and does not replace information you receive from the healthcare provider. You must talk with the healthcare provider for complete information about the risks and benefits of using this medicine.

### **Last Reviewed Date**

2019-01-24

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If you have any questions, contact a member of your healthcare team directly. If you're a patient at MSK and you need to reach a provider after 5:00 PM, during the weekend, or on a holiday, call 212-639-2000.

For more resources, visit [www.mskcc.org/pe](http://www.mskcc.org/pe) to search our virtual library.

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Dasatinib - Last updated on October 21, 2019

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