

Bosutinib

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

Bosulif

Brand Names: Canada

Bosulif; REDDY-Bosutinib

What is this drug used for?

- It is used to treat a type of leukemia.

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

- If your child is allergic to this drug; any part of this drug; or any other drugs, foods, or substances. Tell the doctor about the allergy and what signs your child had.
- If your child takes any drugs (prescription or OTC, natural products, vitamins) that must not be taken with this drug, like certain drugs that are used for HIV, infections, seizures, and others. There are many drugs that must not be taken with this drug.
- If your child is breast-feeding a baby. Be sure your child does not breast-feed a baby while taking this drug and for at least 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 to give this drug with all of your child's other 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.
- 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.
- Your child may have more chance of getting infections. Have your child wash hands often. Avoid crowds and people with infections, colds, or flu.
- Your child may bleed more easily. Make sure your child is careful and avoids injury. Be sure your child has a soft toothbrush.
- Have your child's blood work and other lab tests checked as you have been told by the doctor.
- If your child needs to take an antacid or a drug like famotidine or ranitidine, talk with your child's doctor about how to give it while your child takes this drug.
- Avoid giving your child grapefruit and grapefruit juice.
- If your child has an upset stomach or diarrhea, is throwing up, or decreased appetite, talk with the doctor. There may be ways to lower these side effects.
- If your child has high blood sugar (diabetes), talk with the doctor. This drug can raise blood sugar.
- Check your child's blood sugar as you have been told by the doctor.
- This drug may affect fertility. Fertility problems may lead to not being able to get pregnant or father a child. If you have questions, talk with the doctor

before your child takes this drug.

- If your child is of childbearing age, a pregnancy test will need to be done before starting this drug to make sure your child is not pregnant.

If your child is or may be sexually active:

- This drug may cause harm to the unborn baby if your child takes it during pregnancy.
- If your child may become pregnant, have your child use birth control while taking this drug. Your child will also need to use birth control for 2 weeks after the last dose unless you have been told otherwise. Be sure you know how long your child needs to use birth control. If your child gets pregnant, call the doctor right away.
- If your child's sex partner may become pregnant, birth control may need to be used while taking this drug and for some time after your child's last dose. Talk with the doctor.

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 liver problems like dark urine, tiredness, decreased appetite, upset stomach or stomach pain, light-colored stools, throwing up, or yellow skin or eyes.
- Signs of kidney problems like unable to pass urine, change in how much urine is passed, blood in the urine, or a big weight gain.
- 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 blood pressure like very bad headache or dizziness, passing out, or change in eyesight.
- Signs of high blood sugar like confusion, feeling sleepy, unusual thirst or hunger, passing urine more often, flushing, fast breathing, or breath that smells like fruit.
- This drug may cause your child to keep fluid in the body. Heart problems have also happened. This includes heart failure and less blood flow to the heart that can lead to heart attack. Tell the doctor if your child has heart failure or other heart problems. Call the doctor right away if your child has shortness of breath, weight gain, abnormal heartbeat, chest pain, or swelling that is new or worse.

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.
- Feeling dizzy, sleepy, tired, or weak.
- Constipation, diarrhea, stomach pain, upset stomach, throwing up, or decreased appetite.

- Joint pain.
- Back pain.
- Signs of a common cold.
- Nose or throat irritation.

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.

All products:

- Give with food.
- 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.

Tablets:

- Have your child swallow whole. Do not let your child chew, break, or crush.
- If the tablet is crushed or broken, do not touch the contents. If you do touch the contents or get it in your eyes, wash hands or eyes right away.

Capsules:

- Have your child swallow whole. Do not let your child chew or crush.
- If your child cannot swallow this drug whole, you may sprinkle the contents on applesauce or yogurt. Be sure you know how much applesauce or yogurt

you will need to mix your dose. Have your child swallow the whole mixture right away without chewing.

- Giving this drug with applesauce or yogurt does not count as a meal.
- If you mix this drug with applesauce or yogurt, be sure your child swallows the whole mixture. If your child misses taking part of the mixture, do not give another dose to make up for it.
- If the capsule is opened or broken, do not touch the contents. If the contents are touched or they get in the eyes, wash hands or eyes right away.

What do I do if my child misses a dose?

- Give a missed dose as soon as you think about it.
- If it has been more than 12 hours since the missed 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?

All products:

- After opening, store at room temperature 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.

Tablets:

- The bottle has a desiccant in it to keep the drug dry. Keep the desiccant in the bottle. Do not let your child eat or swallow the desiccant.

Capsules:

- Store in original container.

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.
- Some drugs may have another patient information leaflet. If you have any questions about this drug, please talk with your child's 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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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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