#### **MSK Kids**

#### PATIENT & CAREGIVER EDUCATION

### **Thioguanine**

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** 

**Tabloid** 

**Brand Names: Canada** 

Lanvis

### 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 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.

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

 Be sure your child does not breast-feed a baby while taking this drug.

This drug may interact with other drugs or health problems.

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.
- Have your child's blood work and other lab tests checked as you have been told by 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

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toothbrush.

- Very bad and sometimes life-threatening blood and bone marrow problems like anemia, low platelet counts, or low white blood cell counts have happened with this drug. Change in dose or even stopping the drug may be needed if any of these side effects happen. Talk with the doctor.
- Tell the doctor if your child has been tested for TPMT or NUDT15 deficiency. The chance of blood or bone marrow problems may be raised if your child has thiopurine S-methyltransferase (TPMT) or nucleotide diphosphatase (NUDT15) deficiency. If you have questions, talk with your child's doctor.
- 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.
- This drug may add to the chance of getting some types of cancer. Talk with the doctor.
- Watch for gout attacks.
- Your child may get sunburned more easily. Avoid lots of sun, sunlamps, and tanning beds. Use sunscreen and dress your child in clothing and eyewear that protects from the sun.

Talk with the doctor before your child gets any vaccines.

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Use of some vaccines with this drug may either raise the chance of very bad infection or make the vaccine not work as well.

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

- This drug may cause harm to an unborn baby. Have your child use birth control to prevent pregnancy while taking this drug. If your child gets pregnant, call the doctor right away. Talk with the doctor about the benefits and risks of taking this drug during pregnancy.
- Liver problems have happened in some people who used drugs like this one to treat inflammatory bowel disease (IBD) during pregnancy. This drug is not approved to treat IBD. 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

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- 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 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 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.
- Feeling very tired or weak.
- Swelling of belly.
- A big weight gain.
- 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

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sluggish.

### 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:

- Upset stomach or throwing up.
- Decreased appetite.
- Mouth irritation or mouth sores.

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.

- Do not give this drug to your child for longer than you were told by the doctor.
- You will need to take special care when handling this

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- drug. Check with the doctor or pharmacist to see how to handle this drug.
- Have your child drink lots of noncaffeine liquids unless told to drink less liquid by your child's doctor.

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

- Give a missed dose as soon as you think about it.
- If it is close to the time for your child's next dose, skip the missed dose and go back to your child's normal time.
- Do not put on 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.
- 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.

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#### 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.

#### **Consumer Information Use and Disclaimer**

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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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