Hydroxyurea (Droxia®)  
(“hy-drox-ee-yoo-REE-uh”)

How this drug is given: by mouth

Purpose: To reduce episodes of pain and reduce frequency for blood transfusions in patients with sickle cell anemia

How to take this drug
- Take capsule whole. Do not open capsules. If you are unable to swallow the capsule, the pharmacist will give you specific instructions.
- Take with or without food.
- Try to take this drug at the same time each day.
- If you miss a dose, take as soon as possible. However, if it is almost time for your next dose, skip the missed dose and go back to your regular dosing schedule. Do not double dose.
- Wash hands after taking the medication. Avoid handling crushed or broken capsules.

Storage and disposal
- Store at room temperature, away from heat and moisture.
- Keep this medicine in its original container, out of the reach of children and pets.
- If you have unused oral chemotherapy pills (tablets or capsules), please return them to the pharmacy where the prescription was filled. Do not flush them down the toilet, dump in the sink, or throw away in the trash.

Things that may occur during treatment
1. Your blood cell counts may drop. This is known as bone marrow suppression. This includes a decrease in:
   - Red blood cells, which carry oxygen in your body to help give you energy
   - White blood cells, which fight infection in your body
   - Platelets, which help clot the blood to stop bleeding
   If you have a fever of 100.5°F (38°C) or higher, chills, a cough, or any bleeding problems, tell your cancer care team right away.
2. Thinning of hair can occur approximately two to four weeks after treatment begins. This could include body hair as well as scalp hair. You may want to purchase a wig before hair loss begins. Hair loss is temporary, and may grow back during treatment.
3. Mild to moderate nausea, vomiting, and loss of appetite may occur. You may be given medicine to help with this.

4. Loose stools or diarrhea may occur within a few days after the drug is started. You may take loperamide (Imodium A-D®) to help control diarrhea. You can buy this at most drug stores. Be sure to also drink more fluids (water, juice, sports drinks). If these do not help within 24 hours, call your cancer care team.

5. Skin changes, such as skin turning a darker color, can happen. There may be redness and pain over areas where you have gotten radiation therapy. Sunlight may cause your skin to burn more easily so use a sunscreen of SPF 30 or greater when you go outside. Do not go to tanning booths.

6. In rare cases, you may be at risk of getting another type of cancer after taking hydroxyurea.

7. Fertility and Related Precautions:
   • It is very important to use birth control if you are having sex, because this drug could be harmful to an unborn baby.
   • Men may become sterile and may want to think about sperm banking prior to chemotherapy.
   • For women, your period (menstrual cycle) may not be regular for a while or may stop completely and you may not be able to get pregnant.
   • Women should not breastfeed while receiving this drug.
   • If you are concerned about any of this, please talk with your doctor or nurse.

The above information includes some, but not necessarily all, of the possible side effects of this medication. The side effects in this teaching sheet may not be the same ones you experience. Your side effects may be different, depending on how often you receive treatment (your schedule) and how much you receive each time (your dosage). Side effects may also vary if you take other medications. Please talk with your doctor or nurse if you have questions about possible side effects you may experience. This document should not take the place of conversations with members of your health care team.

If you experience any significant change in your health during or after treatment, contact a member of your health care team right away.
Oral chemotherapy medicines are given by mouth in the form of capsules, tablets, or liquid. These safety tips will help you understand what to do when you are taking oral chemotherapy.

Please note: If you are on a clinical trial, you may be given special instructions.

**How to take this drug**

- Swallow each tablet or capsule whole. Do not break, crush, or chew.

- Prepare your drug away from food and food prep areas.

- If you miss a dose, take it as soon as possible. However, if it is almost time for your next dose, skip the missed dose and go back to your regular dosing schedule.

- Do not double the dose.

- If you are on a clinical trial, you will be given special instructions if you miss a dose.

- If you are unable to swallow the pill, speak with your nurse or pharmacist about other ways to take your medication.

- If you vomit or throw up your medication, call your physician for further instructions.

- Wash your hands after taking the medication. Avoid handling crushed or broken pills (tablets or capsules).

**Storage**

- Most oral chemotherapy medicine is stored at room temperature, away from excess heat and moisture. You will be told if the medication you are taking needs special storage or handling.

- Keep this medicine in its original container, in a safe place, away from other family medications. All medications need to be kept out of the reach of children and pets.
Disposal

- If you have unused oral chemotherapy pills (tablets or capsules), please return them to the pharmacy where the prescription was filled. Do not flush down the toilet, dump in the sink, or throw away in the trash.

Safe handling of body waste in the home after chemotherapy

- Chemotherapy stays in the body for hours or even days, and is found in vomit, urine, stool, and sweat (body wastes). Special care must be taken to prevent the patient's body waste from coming into accidental contact with the patient or caregiver.

Body wastes

Patient and caregiver:

- You can use the toilet (septic tank or city sewage) as usual. There is no research to support double flushing to prevent accidental contact (although this may be suggested for certain medications). Ask your doctor or nurse what they suggest for your medication.

- Wash your hands well with soap and water after using the toilet. If urine, vomit, or stool gets on your body, wash with soap and water. Always wear gloves when cleaning equipment or disposing waste from a urinal or commode.

- Pregnant caregivers should not handle patient body waste.

- It is safe for family and friends to use the same toilet, as long as all body waste is cleaned from the toilet.

- To absorb urine or stool, use a disposable, plastic-backed pad, diaper, or sheet. Change it immediately when soiled. Then wash skin with soap and water.

- If you have an ostomy, you or your caregiver may want to wear gloves when emptying or changing appliances.

Laundry

- Always wear disposable gloves when handling sheets or clothes that have been soiled with body waste.

- Soiled items should be kept and washed separately from the other laundry.

Oral chemotherapy is a serious drug that requires extra caution. If you have questions or concerns about your oral chemotherapy, do not hesitate to call your clinician. For more tips, tools and short videos to help you manage oral chemotherapy visit our web page at http://www.dana-farber.org/oralchemo

The materials included on this page are for informational purposes only. The content is not intended as a substitute for professional medical advice, diagnosis, or treatment. Always seek the advice of your physician or other qualified health provider with any questions you may have regarding a medical condition.