Whether you are reading this brochure for yourself or for someone you care about, understanding these words will help.

**GIST** Gastrointestinal stromal tumor (GIST) is a type of cancer that can appear anywhere in the gastrointestinal tract, including the stomach and small intestines.

**MUTATIONS** Abnormal changes in genes that can lead to cancer cell growth.

**KIT and PDGFRA** Two of the most common genes affected by mutations that can produce abnormal proteins involved in the growth of GIST. These names are used to refer to both the genes and proteins they produce.

**EXON** The location on the gene where mutations can occur.

**PROTEINS** Genes control how cells work by making proteins to do specific jobs in the cell. Mutated genes create abnormal proteins that can cause cells to multiply uncontrollably and become cancerous.
What is AYVAKIT™ (avapritinib)?

AYVAKIT is a prescription medicine used to treat adults with a certain type of stomach, bowel, or esophagus cancer called gastrointestinal stromal tumor (GIST) that cannot be treated with surgery or that has spread to other parts of the body (metastatic), and that is caused by certain abnormal platelet-derived growth factor receptor alpha (PDGFRA) gene, also known as a mutation.

- Your healthcare provider will perform a test to make sure that you have this abnormal PDGFRA gene and that AYVAKIT is right for you.

It is not known if AYVAKIT is safe and effective in children.

SELECT SAFETY INFORMATION

AYVAKIT may cause serious side effects, including:

- **Bleeding in your brain.** Stop taking AYVAKIT and tell your healthcare provider if you develop any symptoms such as severe headache, vision problems, severe sleepiness, or severe weakness on one side of your body.

- **Central nervous system (CNS) effects.** CNS side effects are common with AYVAKIT and can be severe. Tell your healthcare provider if you develop any new or worsening CNS symptoms including forgetfulness, confusion, getting lost, trouble thinking, drowsiness, dizziness, trouble sleeping, word finding problems, seeing objects or hearing things that are not there (hallucinations), or change in mood or behavior.

Your healthcare provider may temporarily stop treatment or decrease your dose which may help your symptoms improve. If symptoms do not improve, your healthcare provider may permanently stop treatment with AYVAKIT.
Understanding mutations in GIST

People diagnosed with GIST should be tested for mutations in KIT and PDGFRA to determine which type of therapy might be right for them. The most common mutations in GIST are on the KIT gene. However, 10% of people with GIST have a mutation on a different gene called PDGFRA.1 The most frequent type of PDGFRA mutations in GIST occur in exon 18, including the D842V mutation.

AYVAKIT is the first approved therapy for GIST caused by a PDGFRA exon 18 mutation including the PDGFRA D842V mutation.

Other available GIST therapies may not work for people whose cancer is caused by the PDGFRA D842V mutation.

For more information about mutational testing in GIST, please visit mutationmatters.com.


SELECT SAFETY INFORMATION

Before taking AYVAKIT, tell your healthcare provider about all of your medical conditions, including if you:

- are pregnant or plan to become pregnant. AYVAKIT can cause harm to your unborn baby.

Females who are able to become pregnant:

- Your healthcare provider should do a pregnancy test before you start AYVAKIT.
- You should use effective birth control (contraception) during treatment with AYVAKIT and for 6 weeks after the final dose of AYVAKIT. Talk to your healthcare provider about birth control methods that may be right for you.
- Tell your healthcare provider right away if you become pregnant or think you may be pregnant during treatment with AYVAKIT.

Males with female partners who are able to become pregnant should use effective birth control (contraception) during treatment and for 6 weeks after the final dose of AYVAKIT.

Please see additional Select Safety Information throughout and full Prescribing Information and Patient Information for AYVAKIT.
AYVAKIT is designed to work differently

HOW DOES AYVAKIT WORK?

AYVAKIT targets abnormal proteins involved in the growth of GIST that are caused by the KIT and PDGFRA mutation. **AYVAKIT is the only approved GIST treatment that binds to these abnormal proteins while they are in their “on” state.** This means it targets, binds to, and inhibits the specific proteins that lead to the growth and spread of GIST cancer cells.

Other approved GIST treatments bind to cancer-spreading proteins only when they are in their “off” state. However, for people with PDGFRA D842V GIST, their mutation results in the protein being locked in the “on” state. **This makes it difficult for other approved GIST treatments to bind.**

SELECT SAFETY INFORMATION

Before taking AYVAKIT, tell your healthcare provider about all of your medical conditions, including if you:

- are breastfeeding or plan to breastfeed. It is not known if AYVAKIT passes into your breast milk. Do not breastfeed during treatment with AYVAKIT and for at least 2 weeks after the final dose of AYVAKIT. Talk to your healthcare provider about the best way to feed your baby during this time.
AYVAKIT was proven to work against GIST with a PDGFRA exon 18 mutation

AYVAKIT was studied in a clinical trial called NAVIGATOR (NCT02508532). The trial included 43 people with PDGFRA exon 18 mutations, 38 of whom had the PDGFRA D842V mutation.

**84% of 43 people responded:**

- 33 people (77%) had their tumors shrink by at least 30% (partial response)
- 3 people (7%) had their tumor completely disappear (complete response)

**In addition:**

- 6 people (14%) had no change in their tumor size (stable disease)
- 1 person (2%) had their tumor grow (progressive disease)

For the 38 people with a PDGFRA D842V mutation, 89% responded. Thirty-one people (82%) had a partial response and 3 people (8%) had a complete response.

It’s important to note that having a response does not mean the cancer has been cured.

**SELECT SAFETY INFORMATION**

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. AYVAKIT may affect the way other medicines work, and certain other medicines may affect how AYVAKIT works. Talk to your healthcare provider prior to starting a new medicine.

Please see additional Select Safety Information throughout and full Prescribing Information and Patient Information for AYVAKIT.
Potential side effects

You should have an open conversation with your family or caregiver about the potential side effects of AYVAKIT. They may be able to help you recognize any changes and can help you share them with your healthcare provider.

AYVAKIT may cause serious side effects, including:

- **Bleeding in your brain.** Stop taking AYVAKIT and tell your healthcare provider if you develop any symptoms such as severe headache, vision problems, severe sleepiness, or severe weakness on one side of your body.

- **Central nervous system (CNS) effects.** CNS side effects are common with AYVAKIT and can be severe. Tell your healthcare provider if you develop any new or worsening CNS symptoms including:
  - forgetfulness
  - confusion
  - getting lost
  - trouble thinking
  - drowsiness
  - dizziness
  - trouble sleeping
  - word finding problems
  - seeing objects or hearing things that are not there (hallucinations), or
  - change in mood or behavior

Your healthcare provider may temporarily stop treatment or decrease your dose which may help your symptoms improve. If symptoms do not improve, your healthcare provider may permanently stop treatment with AYVAKIT.

The most common side effects of AYVAKIT include:

- fluid retention or swelling
- nausea
- tiredness
- muscle weakness
- vomiting
- diarrhea
- decreased appetite
- stomach area (abdominal) pain
- increased eye tearing
- constipation
- rash
- dizziness, and
- hair color changes

These are not all of the possible side effects of AYVAKIT.

Call your doctor for medical advice about side effects. You may report side effects to the FDA at 1-800-FDA-1088.

Please see additional Select Safety Information throughout and full Prescribing Information and Patient Information for AYVAKIT.
How to take AYVAKIT™ (avapritinib)

Take AYVAKIT exactly as your healthcare provider tells you to take it. Do not change your dose or stop taking AYVAKIT unless your healthcare provider tells you to.

PEOPLE SHOULD TAKE:

1 AYVAKIT tablet | 1 time each day | on an empty stomach at least 1 hour before and at least 2 hours after a meal

The recommended starting dose of AYVAKIT is 300 mg orally once daily. Your healthcare provider may change your dose, temporarily stop, or permanently stop treatment with AYVAKIT if you develop side effects. AYVAKIT is available in doses of 100 mg, 200 mg, and 300 mg.

What if you miss a dose?

- If you miss a dose of AYVAKIT, take it as soon as you remember unless your next scheduled dose is due within 8 hours. Take the next dose at your regular time.
- If you vomit after taking a dose of AYVAKIT, do not take an extra dose. Take your next dose at your next scheduled time.

Monitoring how you feel is important.

- Stop taking AYVAKIT and tell your healthcare provider if you develop any symptoms such as severe headache, vision problems, severe sleepiness, or severe weakness on one side of your body.
- Tell your healthcare provider if you develop any new or worsening central nervous system (CNS) symptoms, such as forgetfulness, confusion, getting lost, trouble thinking, drowsiness, dizziness, trouble sleeping, word finding problems, seeing objects or hearing things that are not there (hallucinations), or change in mood or behavior. Consider asking a friend or family member to let you know if they notice you having any unusual memory problems or other CNS symptoms. It is important to let your doctor know about these symptoms immediately because it may mean you need to have your dose changed.

Additional instructions:

- Store AYVAKIT at room temperature between 68°F to 77°F (20°C to 25°C) and keep it out of reach of children.
People who care for you can help

Your doctor will want to know if you are experiencing any CNS symptoms or other effects so they can change your dose.

Work with your doctor to come up with a list of questions that can help you monitor for any CNS effects, such as how often in the past week you:

- Had trouble finding your way to a familiar place
- Lost your wallet or keys
- Had to search for words
- Seemed confused or lost
- Forgot why you walked in to a room
- Wrote lists to keep from forgetting things
- Found it difficult to keep track of what you were doing

Enlist the help of a friend or family member to go through the questions with you periodically. You should both be looking for changes in your answers so that you can alert your doctor immediately if you think you are having CNS effects.

TIP: CONSIDER RECORDING YOUR ANSWERS IN A NOTEBOOK OR ON YOUR PHONE.

SELECT SAFETY INFORMATION

What should I avoid while taking AYVAKIT?
Do not drive or operate hazardous machinery, if you have confusion or trouble thinking during treatment with AYVAKIT.

Please see additional Select Safety Information throughout and full Prescribing Information and Patient Information for AYVAKIT.
Support starts here

YourBlueprint™ is a patient support program designed to assist you throughout your treatment with AYVAKIT by providing:

• 1-on-1 support  • Financial assistance options  • Helpful resources

Connect with a Case Manager today.
Call 1-888-BLUPRNT (1-888-258-7768)
Monday-Friday from 8 AM-8 PM Eastern Time (ET)
or visit YourBlueprint.com.

OTHER HELPFUL RESOURCES FOR PATIENTS AND CAREGIVERS:

American Cancer Society*  
cancer.org  
800-227-2345

GIST Support International*  
gistsupport.org  
215-340-9374

National Cancer Institute*  
cancer.gov  
800-422-6237

The Life Raft Group*  
liferaitgroup.org  
973-837-9092

Mutation Matters™  
mutationmatters.com

*Blueprint Medicines is not affiliated with these organizations, does not endorse any particular service or group, and is not responsible for the content on their websites or any services or resources they may provide.

To learn more about AYVAKIT, speak to your healthcare provider or visit AYVAKIT.COM.