

# Acalabrutinib

Acalabrutinib is a targeted medicine used to treat some people with chronic lymphocytic leukaemia (CLL). Find out what it is, who might have it and how to take it. We also cover its main side effects and any special precautions you need to take while you're on it.

## Summary

- Acalabrutinib is a targeted medicine used to treat chronic lymphocytic leukaemia (CLL).
- It comes as tablets that you take every day. The number of tablets you need to take should be printed on the named label on your medicine packaging.
- You will have blood tests to check how well your CLL is responding to acalabrutinib.
- Your haematology team will monitor how your body is coping with treatment.
- Side effects of acalabrutinib are usually mild to moderate. Some people have mild side effects, whereas others get more severe side effects.
- Some side effects can be serious if they are not treated promptly. Contact your haematology team straight away or go to A&E if:
  - You have bleeding such as blood in your poo or pee, nosebleeds, bleeding gums, vomiting or coughing up blood, heavy periods or bruising.
  - You think you might have an infection.
  - You have difficulty breathing, shortness of breath or your breathing is very fast.
  - Your heart rate is fast or uneven, or your pulse is weak or uneven.
  - You have diarrhoea, are feeling sick or are being sick.
  - You have muscle cramps or twitches or have a seizure (fit).
  - You feel very weak or exhausted or are fainting.
- Tell your haematology team if you get any other side effects. They may be able to suggest things to help.

[Download our leaflet about acalabrutinib](#) 

---

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [0808 010 444](tel:0808010444)

## What is acalabrutinib?

Acalabrutinib is a targeted medicine that blocks a protein called BTK. This protein helps CLL cells to grow and multiply. Blocking it stops CLL cells from growing and dividing, leading to their death.

The brand name for acalabrutinib is Calquence.

[Back to top](#)

---

## Who might take acalabrutinib?

Acalabrutinib is suitable for adults. Your haematology team might recommend it for you if:

- You have CLL and have not had treatment before **and**:
  - You have a genetic change in your CLL cells called a 17p deletion or TP53 mutation **or**
  - Other treatments are not suitable for you
- You have had treatment before, but your CLL didn't respond to it or came back after treatment. This is called refractory or relapsed CLL.

[Back to top](#)

---

## Before taking acalabrutinib

Before starting acalabrutinib, your haematology team will carry out checks to ensure it is suitable for you. These include:

- Blood tests to check your blood cell counts, kidney function and liver function
- Blood tests to check whether you have any infections that could flare up during treatment, like viral hepatitis
- Checks of your heart health

Your team may recommend other tests, depending on your circumstances.

## Things to tell your haematology team

Your haematology team may ask if there is any possibility you might be pregnant.

Acalabrutinib should not be taken during pregnancy.

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

Some medicines, supplements and food may interact with acalabrutinib. Or they may increase your risk of side effects. It is important to tell your haematology team about any medicines or supplements you are taking. This includes prescribed medicines and medicines you have bought yourself without a prescription. Examples include:

- Herbal medicines such as St John's Wort
- Some blood thinners or medicines used to prevent blood clots, like warfarin
- Some medicines used to treat infections, including some antibiotics, antifungal and antiviral medicines
- Some medicines used to treat schizophrenia and other psychoses
- Some medicines that lower your immune system
- Some medicines used to treat diabetes
- Some medicines used to treat epilepsy
- Theophylline, a medicine sometimes used to treat asthma, chronic lung disease or heart failure

Acalabrutinib tablets contain several ingredients. Tell your haematology team if you have any allergies or sensitivities.

[Back to top](#)

---

## How to take acalabrutinib

Acalabrutinib comes as orange, oval-shaped tablets that you take by mouth.

- Swallow your acalabrutinib tablet whole with a glass of water.
- Do not break, crush, or chew your tablets and do not dissolve them in water.
- Try to take your tablet at about the same time each day.
- You can take your tablet with or without food.
- Do not take supplements containing St John's Wort while taking acalabrutinib. This is because it affects how much acalabrutinib your body absorbs.
- If you also take a medicine called methotrexate, you should take this at least 6 hours before or after taking acalabrutinib.

## If you forget to take your tablets

If you forget to take acalabrutinib:

- Take it as soon as you remember, if it's **within 3 hours** of your dose time

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

- If it's **longer than 3 hours** by the time you realise you forgot to take it:
  - Skip the missed tablet
  - Take your next tablet at the usual time

**It is important not to take a double dose. If you've taken more acalabrutinib than you should, talk to your doctor, nurse or pharmacist. Or go to the hospital immediately. Take your medicine and the leaflet from its box with you.**

[Back to top](#)

---

## Dose

Acalabrutinib comes as tablets containing 100mg of acalabrutinib. The number of tablets you need to take and how often should be printed on the medicine packaging. If you are not sure, ask your doctor or nurse.

Most adults with CLL take one tablet of acalabrutinib twice a day. You usually leave around 12 hours between each dose. Try and take it at the same time in the morning and in the evening.

Acalabrutinib comes in a blister pack with pictures on each blister to help you take your dose at the right time. There's a sun for your morning dose and a moon for your evening dose.

[Back to top](#)

---

## Where to take acalabrutinib

You take acalabrutinib at home (or anywhere you are staying). You do not have to go to hospital to take it.

You can store acalabrutinib at room temperature. Keep it safe where children cannot see or reach it.

[Back to top](#)

---

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

## How long to take it for

**Do not stop taking acalabrutinib without discussing it with your haematology team.**

Most people carry on taking acalabrutinib for as long as it is working. Your haematology team may suggest stopping acalabrutinib and trying a different treatment if:

- It is not working well
- It stops working
- You are having side effects that are difficult to cope with
- Check-ups show it is affecting other parts of your body, like your heart, lungs or liver
- You become pregnant

[Back to top](#)

---

## Monitoring

Your haematology team will check how well acalabrutinib is working and how well your body is coping with it.

- You'll have blood tests to check your blood cell counts.
- You'll also have occasional blood tests to check how well your liver is working.
- You'll have regular blood pressure checks.
- Your doctor or nurse will examine you to check for heart or lung problems, signs of infection, and changes in your skin.
- You may have other examinations and scans to check the size of your lymph nodes and organs, like your spleen.

[Back to top](#)

---

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

## Precautions

There are some precautions to be aware of when you are taking acalabrutinib.

- If you need surgery or to have a tooth out, you'll need to stop acalabrutinib for a few days before and after. This is to reduce your risk of bleeding. Your doctor will tell you exactly when to stop taking acalabrutinib and when to start it again.
- Acalabrutinib can make you vulnerable to serious infections. You might need to take medicines to prevent infections while taking acalabrutinib.
- Acalabrutinib might make you feel very tired or dizzy. You should not drive or operate machinery if you have these symptoms.
- If you've had viral hepatitis in the past, it might flare up during acalabrutinib treatment. You'll have a blood test before you start treatment. If this shows you've had viral hepatitis, your team will monitor you for flare-ups. You might be referred to a liver specialist for treatment.

If your GP prescribes you a new medicine, ask them to check that it's safe to take with acalabrutinib.

— *Helen, living with CLL since 2015*

[Back to top](#)

---

## Fertility, pregnancy and breastfeeding

We do not know what effect acalabrutinib has on fertility or pregnancy. Based on animal studies, it may harm unborn babies, especially during the later stages of pregnancy and during labour and birth.

- If you could get pregnant, it's important to use effective contraception while you are taking acalabrutinib.
- If you're taking acalabrutinib and you think you might be pregnant, tell your haematology team as soon as possible.
- If you're planning to get pregnant in the future, tell your haematology team. They will talk to you about your treatment options.

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

## Breastfeeding

We do not know if acalabrutinib passes into breastmilk or what effect it might have on breastfed babies or children.

**You should not breastfeed while you are taking acalabrutinib and for 2 days after taking your last dose.**

[Back to top](#)

---

## Possible side effects

You may get some side effects while you are taking acalabrutinib. Some people have very few side effects, whereas others get more serious side effects. They may differ from day to day.

Your haematology team should tell you what side effects to look out for and who to contact if you need to.

**If you are worried about any symptoms or side effects, contact your haematology team. You do not have to wait until your next appointment.**

Your haematology team might:

- Prescribe medicines to help manage some side effects
- Suggest things you can do to help you cope with side effects
- Lower your dose of acalabrutinib if your side effects are serious or difficult to cope with
- Recommend pausing or stopping acalabrutinib, if needed

You can also report side effects via the [MHRA Yellow Card Scheme](#).

[Back to top](#)

---

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

## Side effects you might notice

This is not a full list of all the side effects that can happen. The patient information leaflet in your medicine package has more information. Or you can find the leaflet by searching for 'acalabrutinib' at the [Electronic Medicines Compendium](#).

Here, we list some of the more common side effects of acalabrutinib. These affect at least 1 in every 100 people who take acalabrutinib.

- **Infections.** Contact your team straight away if you think you have an infection. Look out for:
  - A high temperature (38°C or higher)
  - Shivering, chills or sweating
  - Sore throat, sneezing, blocked or runny nose or earache
  - Cough, chest pain or shortness of breath
  - Burning or stinging when you pee, or peeing more often than usual
  - Sickness or diarrhoea
  - Cold sores, or ulcers or blisters around your mouth or genitals
- **Unexpected or unusual bruising or bleeding,** like nosebleeds, bleeding gums or heavy periods. Look out for blood in your poo or pee, or red or purple spots under your skin. This may look different in black or brown skin. Tell your team if you notice any of these.
- **Tummy problems.** You might get diarrhoea, constipation, or tummy ache. You might feel sick or be sick. If you have these side effects, your team can give you medicines to help.
- **Muscle, bone or joint pain.** Talk to your team if this becomes troublesome.
- **Changes to your skin.** You might get a rash. This might look different on black or brown skin.
- **Headache.** This is common in the first weeks of taking acalabrutinib and usually gets better with time.
- **Fatigue.** You might experience extreme tiredness or lack of energy.

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

- **Heart problems.** Contact your doctor if you get a fast or irregular heartbeat or a heart flutter. They will check your heart function. If there are problems, they might suggest stopping acalabrutinib.

### Protecting yourself from skin cancer

Acalabrutinib can increase your risk of getting some types of skin cancer.

It is important to protect your skin from the sun by keeping your skin covered, wearing a wide-brimmed hat, and using a high-factor suncream (SPF 30 or higher).

Check for symptoms like a growth, an unusual patch (this can vary in size, colour and texture), a new mole or a change in an existing mole. If you notice any of these, contact your GP.

[Back to top](#)

---

## Side effects your team might notice

There might be some side effects that your haematology team find during regular checks and blood tests. These include:

- Low levels of white blood cells (leukopenia), including low levels of white blood cells called neutrophils (neutropenia). This can make you more vulnerable to infections. You might need treatment to prevent or treat infections. Or growth factors to boost your production of white blood cells.
- Low levels of red blood cells (anaemia).
- Low levels of platelets (thrombocytopenia). This can cause unusual bruising and bleeding because platelets help your blood to clot. You might need to have a transfusion.
- High blood pressure. If this happens, you might need to take blood pressure medicines.

[Back to top](#)

---

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

## Rare side effects

Rarely, acalabrutinib might cause a side effect called **tumour lysis syndrome**. This is a serious side effect of some cancer treatments. It happens if a large number of cancer cells die quickly and release chemicals into your bloodstream.

This affects fewer than 1 in every 100 people taking acalabrutinib. So, it does **not** happen to more than 99 in every 100 people. However, if it does happen, it can be serious, so it's sensible to know what to look out for.

"If you have to go to A&E, tell the staff you have blood cancer and the treatment you're on. Your team might give you a Patient Alert Card to keep with you. In a medical emergency, these cards let people know what medicine you're taking and help keep you safe."

— Steve, living with CLL since 2011

**Contact your doctor immediately if you develop any of the following while taking acalabrutinib:**

- **Fever or chills**
- **Diarrhoea, feeling sick or being sick**
- **Muscle or joint pain**
- **Cloudy or dark-coloured pee**
- **Feeling weak, exhausted or confused**
- **Irregular heartbeat or shortness of breath**
- **Pain or bloating in your tummy**
- **Seizures (fits)**

[Back to top](#)

---

## If acalabrutinib doesn't work

If acalabrutinib is not working well for you, your doctor will discuss your options with you. They might suggest changing your dose, pausing or stopping treatment. They will talk to you about other treatment options that might be suitable for you.

[Back to top](#)

---

### Sources we used to develop this information

AstraZeneca UK Limited. Calquence (acalabrutinib maleate) 100 mg film-coated tablets - Summary of product characteristics. 08 December 2023. Available at: <https://www.medicines.org.uk/emc/product/14853/smpc>

AstraZeneca UK Limited. Calquence (acalabrutinib maleate) 100 mg film-coated tablets. Package leaflet: information for the patient. August 2023. Available at: <https://www.medicines.org.uk/emc/product/14853/pil>

Bennett R, Seymour JF. Update on the management of relapsed/refractory chronic lymphocytic leukemia. Blood Cancer Journal. 2024 Feb 21;14(1):33. <https://doi.org/10.1038/s41408-024-01001-1>

National Institute for Health and Care Excellence (NICE). Acalabrutinib for treating chronic lymphocytic leukaemia. 2021. Technology appraisal guidance [TA931]. 21 April 2021. Available at: <https://www.nice.org.uk/guidance/ta689>

Sharman JP, Egyed M, Jurczak W, Skarbnik A, Pagel JM, Flinn IW, Kamdar M, Munir T, Walewska R, Corbett G, Fogliatto LM. Acalabrutinib with or without obinutuzumab versus chlorambucil and obinutuzumab for treatment-naive chronic lymphocytic leukaemia (ELEVATE-TN): a randomised, controlled, phase 3 trial. The Lancet. 2020 Apr 18;395(10232):1278-91. [https://doi.org/10.1016/s0140-6736\(20\)30262-2](https://doi.org/10.1016/s0140-6736(20)30262-2)

Tam C, Thompson PA. BTK inhibitors in CLL: second-generation drugs and beyond. Blood Advances. 2024 May 14;8(9):2300-9. <https://doi.org/10.1182/bloodadvances.2023012221>

Walewska R, Parry-Jones N, Eyre TA, Follows G, Martinez-Calle N, McCarthy H, Parry H, Patten PE, Riches JC, Hillmen P, Schuh AH. Guideline for the treatment of chronic lymphocytic leukaemia. Br J Haematol. 2022 Jun 1;197(5):544-7. <https://doi.org/10.1111/bjh.18075>

---

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)

## Need support?

You are not alone. We're here for you whether you have a diagnosis yourself or know someone who has. If you'd like advice, support, or a listening ear, call our freephone helpline on 08088 010 444 or send a WhatsApp message to 07500 068 065.

[Talk to us →](#)

## Help us improve our information

We aim to provide information that's reliable, up-to-date, and covers what matters to you. Please complete our short survey to help us improve our information and make sure it meets your needs.

[Complete our short survey →](#)

## About our information

This information is aimed at people in the UK. We do our best to make sure it is accurate and up to date but it should not replace advice from your health professional. Find out more [about our information](#).

---

Page last reviewed: 31 August 2025

Updated February 2026

Next review due: 31 August 2028

<https://lcdemo-stage.gb.aldryn.io/about-leukaemia/treatments/acalabrutinib/>

Leukaemia Care Registered Charity Number 1183890. Scotland Registered Charity Number SC049802

Helpline: [08088 010 444](tel:08088010444)