PROFESSIONAL INFORMATION

SCHEDULING STATUS: S1

1. NAME OF THE MEDICINE

ACC® 600 (effervescent tablets)

ACC On The Go

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

ACC 600 (effervescent tablets):

Each effervescent tablet contains 600 mg acetylcysteine.

Excipients with known effects:

Contains sugar: lactose anhydrous (70 mg per tablet).

Contains sweetener: mannitol (72,80 mg per tablet), saccharin sodium (5 mg per tablet), sodium cyclamate (30,75 mg per tablet) and sorbitol (an ingredient of the flavour blackberry “B”).

ACC On The Go:

Each sachet contains 600 mg of acetylcysteine.

Excipients with known effects:

Contains sweetener: aspartame (0,50 mg per sachet), sorbitol (approximately 526,50 mg per sachet) and xylitol (200 mg per sachet), mannitol (an ingredient of the flavour blackberry “B”).

For the full list of excipients, see Section 6.1.

3. PHARMACEUTICAL FORM

ACC 600 (effervescent tablets):

White, round tablets, scored on one side, faultless surface and a smell of blackberries.

When an ACC 600 effervescent tablet is dissolved in a glass of water, the appearance of the solution is clear, colourless, with no particles and a smell of blackberries.

ACC On The Go:

Oral powder in sachet.

White to slightly yellowish powder, easily disaggregating agglomerates if any, with an odour of blackberry, possibly slightly sulphuric.

4. CLINICAL PARTICULARS

4.1. Therapeutic indications

ACC On The Go or effervescent tablets are used as a mucolytic in acute respiratory conditions.

4.2 Posology and method of administration

Posology:

ACC 600 (effervescent tablets):

Adults and adolescents from 14 years of age:

½ effervescent tablet twice daily or 1 effervescent tablet once daily (equivalent to 600 mg acetylcysteine per day).

ACC On The Go:

For adults only:

1 sachet once daily (equivalent to 600 mg acetylcysteine per day).

ACC On The Go is not suitable for use in adolescents and children.

Method of administration:

ACC 600 (effervescent tablets):

The effervescent tablets are taken dissolved in a glass of water after meals.

Duration of use:

ACC 600 effervescent tablets should not be taken for more than 14 days without medical advice.

ACC On The Go:

The oral powder of one sachet should be placed directly on the tongue. The oral powder stimulates salivation so the oral powder can be swallowed easily. The oral powder should not be chewed before swallowing. Can be taken without water.

Elderly and weakened patients:

Patients with a reduced cough reflex (elderly and weakened patients) should take the oral powder preferably in the morning.

Duration of use:

ACC On The Go should not be taken for more than 14 days without medical advice.

Paediatric patients:

Due to the high content of active substance, acetylcysteine 600 mg should not be used in children less than 14 years of age.

4.3. Contraindications

Hypersensitivity to acetylcysteine and/or any of the other ingredients of ACC 600.

Safety in pregnancy has not been established. ACC 600 should not be used during pregnancy (see section 4.6).

Active peptic ulceration.

4.4. Special warnings and precautions for use

ACC 600 should be used with caution in asthmatic patients. If bronchospasm occurs, the use of acetylcysteine must be stopped immediately and appropriate treatment initiated.

ACC 600 should be used with caution in patients with a history of peptic ulcer disease, both because drug-induced nausea and vomiting may increase the risk of gastrointestinal haemorrhage in patients predisposed to the condition, and because of a theoretical risk that mucolytics may disrupt the gastric mucosal barrier.

The use of acetylcysteine, especially in early treatment can lead to liquefaction and thus to an increase in volume of bronchial secretions. If the patient is unable to sufficiently expectorate, appropriate measures (such as drainage and aspiration) should be performed.
The occurrence of severe skin reactions such as Stevens-Johnson syndrome and Lyell's syndrome has very rarely been reported in temporal connection with the use of acetylcysteine. If cutaneous and mucosal changes occur, consult your health care provider without delay and use of acetylcysteine be terminated (see section 4.8).

Intolerance:

Caution is advised in patients with histamine intolerance. Treatment with acetylcysteine for longer periods should be avoided in such patients, as acetylcysteine affects histamine metabolism and can result in symptoms of intolerance (e.g. headache, runny nose, itching).

ACC 600 effervescent tablets contains lactose anhydrous.
Patients with rare hereditary problems of galactose intolerance, total lactase deficiency or glucose-galactose malabsorption should not take ACC 600 effervescent tablets.
ACC 600 effervescent tablets contains lactose anhydrous, which may have an effect on the glycaemic control of patients with diabetes mellitus.

ACC On The Go contains aspartame. Aspartame is a source of phenylalanine. It may be harmful if you have phenylketonuria (PKU), a rare genetic disorder in which phenylalanine builds up because the body cannot remove it properly.

4.5. Interaction with other medicines and other forms of interaction

Combined administration of ACC 600 with antitussives may cause a dangerous secretory congestion due to the reduced cough reflex, so that an especially careful diagnosis is required for this combination treatment.

Tetracycline hydrochloride (with the exception of doxycycline) and other oral antibiotics must be administered separately from ACC 600 and with an interval of at least 2 hours.

The concomitant administration of acetylcysteine can potentially result in an intensification of the vasodilatory and inhibition of platelet aggregation effects of glyceryl trinitrate (nitroglycerine).
If concomitant treatment with glyceryl trinitrate and acetylcysteine is considered necessary, patients should be monitored for the possible development of hypotension, which can be serious, and advised of the possibility of headaches.

Activated charcoal in high doses (as an antidote) can reduce the effectiveness of acetylcysteine.

Acetylcysteine can affect the colorimetric determination of salicylates.
In urine tests, acetylcysteine can affect the results of determinations of ketone bodies.
The dissolution of ACC 600 together with other medicines is not recommended.

4.6 Fertility, pregnancy and lactation

Safety and efficacy of acetylcysteine in pregnancy and lactation have not been established (see section 4.3).

Fertility:

Data concerning effects of acetylcysteine on human fertility are not available. In animal studies, no harmful effects on fertility were observed for therapy-relevant doses of acetylcysteine.

Pregnancy:

There are no adequate clinical data from the use of acetylcysteine in pregnant women. Animal studies do not indicate direct or indirect harmful effects with respect to reproductive toxicity. ACC 600 should not be used during pregnancy.

Breastfeeding:

No information is available regarding excretion of acetylcysteine or its metabolites into breast milk. A risk for the breast-fed child cannot be excluded. The use of acetylcysteine during breastfeeding is not recommended.

4.7. Effects on ability to drive and use machines

ACC 600 has no known effect on the ability to drive and use machines.

4.8. Undesirable effects

Immune system disorders:

Less frequent: Hypersensitivity reactions.

Frequency unknown: Anaphylactic shock, anaphylactic / anaphylactoid reactions.

Nervous system disorders:

Less frequent: Headache, convulsions, syncope.

Eye disorders:

Less frequent: Blurred vision.

Ear and labyrinth disorders:

Less frequent: Tinnitus.

Cardiac disorders:

Less frequent: Tachycardia.

Vascular disorders:

Less frequent: Haemorrhage, hypertension.

Respiratory, thoracic and mediastinal disorders:

***Less frequent*:** Dyspnoea, bronchospasm - predominantly in patients with hyperactive reactive bronchial system in association with bronchial asthma.

Gastrointestinal disorders:

Less frequent: Nausea, vomiting, diarrhoea, abdominal pain, stomatitis.

Frequency unknown: Dyspepsia.

Hepato-biliary disorders:

Less frequent: Disturbances of the liver function, acidosis.

Skin and subcutaneous tissue disorders:

Less frequent: *Stevens-Johnson syndrome, toxic epidermal necrolysis, urticaria, rash, angioedema, itching, exanthema, pruritus, flushing.

Musculoskeletal, connective tissue and bone disorders:

Less frequent: Arthralgia.

General disorders and administration site conditions:

Less frequent: Fever, hypotension.

Frequency unknown: Facial oedema.

*Severe skin reactions such as Stevens-Johnson syndrome and toxic epidermal necrolysis have been reported in temporal association with the use of acetylcysteine.

If skin or mucous membrane abnormalities develop, the use of acetylcysteine must be discontinued immediately.

A decreased blood platelet aggregation in the presence of acetylcysteine has been confirmed by different studies. The clinical relevance has not yet been clarified to date.

Reporting of suspected adverse reactions:

Reporting suspected adverse reactions after authorisation of the medicine is important. It allows continued monitoring of the benefit/risk balance of the medicine. Healthcare providers are requested to report any suspected adverse reactions to SAHPRA via the Med Safety APP (Medsafety X SAHPRA) and eReporting platform (who-umc.org) found on SAHPRA website.

Suspected adverse reactions may also be reported directed to the Holder of Certificate of Registration (HCR) via the link: https://pvi1j.solutions.iqvia.com or the e-mail address, adverse.event.sac@sandoz.com.

4.9. Overdose

Overdoses may lead to gastrointestinal symptoms, such as nausea, vomiting and diarrhoea.

Infants are at risk of hypersecretion. Treatment of overdose is supportive and symptomatic.

5. PHARMACOLOGICAL PROPERTIES

5.1. Pharmacodynamic properties

Pharmacotherapeutic group: Cough and cold preparations;

Mucolytics

ATC Code: R05CB01

Acetylcysteine is a mucolytic agent that reduces the viscosity of non-infected bronchial secretions probably by the splitting of disulphide bonds in mucoproteins.
Acetylcysteine is a derivative of the amino acid cysteine. The efficacy of acetylcysteine is secretolytic and secretomotoric in the area of the respiratory tract. It splits off the interconnecting disulphide bonds between the mycopolysaccharide chains and that it has a depolymerising effect on DNA-chains (in purulent mucus).
This leads to a reduction in the viscosity of the mucus.

An alternative mechanism of acetylcysteine is meant to be based on the capacity of its reactive SH group to bind chemical radicals and to detoxify them in this way.

5.2. Pharmacokinetic properties

Absorption:

Following oral administration, acetylcysteine is rapidly and almost completely absorbed and metabolised in the liver to cysteine, the pharmacologically active metabolite, as well as to diacetylcystine, cysteine and further mixed disulphides.

Distribution:

Due to the high first-pass effect, the bioavailability of orally administered acetylcysteine is very low (approx. 10 %). Maximum plasma concentrations are achieved after 1 to 3 hours. The protein binding of acetylcysteine is approximately 50 %.

Biotransformation:

Acetylcysteine and its metabolites occur in three different forms in the organism: partially in free form, partially bound to proteins via labile disulphide bonds and partially as incorporated amino

acid. Acetylcysteine is excreted almost exclusively in the form of inactive metabolites (inorganic sulphates, diacetylcystine) via the kidneys. The plasma half-life of acetylcysteine is approximately 1 hour and is mainly determined by the rapid hepatic biotransformation. Impaired hepatic function therefore leads to prolonged plasma half-lives of up to 8 hours.

Elimination:

Pharmacokinetic studies with intravenous administration of acetylcysteine revealed a distribution volume of 0,47 L/kg (in total) or 0,59 L/kg (reduced); the plasma clearance was determined to be 0,11 L/h/kg (in total) and 0,84 L/h/kg (reduced), respectively.

The elimination half-life after intravenous administration is 30 to 40 minutes while excretion follows three-phase kinetics (alpha, beta, and terminal gamma phase).

Acetylcysteine crosses the placenta and is detected in cord blood. No information is available regarding excretion into breast milk.

No knowledge is available concerning the behaviour of acetylcysteine at the blood-brain barrier in humans.

6. PHARMACEUTICAL PARTICULARS

6.1. List of excipients

ACC 600 (effervescent tablets):

Ascorbic acid

Blackberry flavour “B” (gluconolactone (E575), maltodextrin, magnesium carbonate (E504 II), mannitol (E421), natural / nature identical liquid flavour, type “wildberry”, code no. 5752, nature identical liquid flavour, type “blackberry”, code no. 5337, silica, colloidal anhydrous (E551), sorbitol (E420), vanillin)

Citric acid anhydrous

Lactose anhydrous

Mannitol

Saccharin sodium

Sodium carbonate anhydrous

Sodium citrate 2 H_2O

Sodium cyclamate

Sodium hydrogen carbonate

ACC On The Go:

Aspartame

Carmellose sodium

Citric acid anhydrous

Flavour blackberry “B” (colloidal anhydrous silica, gluconolactone, magnesium carbonate, maltodextrin, mannitol, natural / nature identical liquid flavour, type “wildberry”, code no. 5752, nature identical liquid flavour, type “blackberry”, code no. 5337, sorbitol, vanillin)

Glyceryl tripalmitate

Magnesium citrate

Magnesium stearate

Monosodium citrate

Polysorbate 65

Sorbitol

Xylitol

6.2. Incompatibilities

Not applicable.

6.3. Shelf life

ACC® 600 (effervescent tablets): 24 months

ACC On The Go: 24 months

6.4. Special precautions for storage

Store at or below 25 °C in a cool dry place.

Protect from light.

Keep the tubes tightly closed in order to protect from moisture.

Keep the sachet in the carton until required for use.

KEEP OUT OF REACH OF CHILDREN.

6.5. Nature and contents of container

ACC 600 (effervescent tablets):

Polypropylene tubes containing 10, 20 or 40 effervescent tablets, closed with polyethylene stoppers containing desiccant and packed into a cardboard box together with the leaflet.

Alternatively, the effervescent tablets are sealed individually in laminated aluminium-paper-foil sachets.

10, 20 or 40 sachets are packed into a cardboard box together with the leaflet.

ACC On The Go:

ACC On The Go is filled into laminated aluminium-paper-foil sachets and sealed. The sachets are packed together with the leaflet into paper folded card boxes.

The sachets are available in pack sizes of 8, 10, 14, 20, 30, 60 or 90.

Not all pack sizes may be marketed.

6.6. Special precautions for disposal and other handling

Not applicable.

7. HOLDER OF CERTIFICATE OF REGISTRATION

Sandoz SA (Pty) Ltd[1]

Waterfall 5-Ir

Magwa Crescent West

Waterfall City

Jukskei View

2090

8. REGISTRATION NUMBERS

ACC 600 (effervescent tablets): 45/10.3/0229

ACC On The Go: 51/10.3/0816

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

Date of first authorisation:

ACC 600 (effervescent tablets): 02 November 2021

ACC On The Go: 26 October 2021

10. DATE OF REVISION OF THE TEXT

26 March 2025

[1]Company Reg. No.: 1990/001979/07

Additional country registration details:

Country	*Product name*	*Scheduling status (or Category of distribution)*	*Registration number*
Botswana	ACC 600	S3	BOT1702941/A/B

ATC Code: R05CB01 – Mucolytics

Name and address of manufacturer:

Hermes Arzneimittel GmbH
Hans-Urmiller-Ring 52
82515 Wolfratshausen
Germany