

Vitamin C

THE HEALTHY ALLROUNDER



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Properties

Ascorbic acid is a white, crystalline water-soluble solid with a sour taste. It exists in various forms, but only the form L -(+)- ascorbic acid exhibits biological activities. L -(+)- ascorbic acid and its derivatives are grouped together under the name **Vitamin C**.

Use

In humans, **ascorbic acid** has an antioxidant effect and serves as a free radical neutralizer. **Vitamin C** stimulates the body's own defenses through various processes and is, therefore, immune strengthening.

Vitamin C also plays a positive role in:

- Biosynthesis of collagen (an important component of organs and body tissues)
- Cholesterol metabolism (blood cholesterol content)
- L-carnitine production (fat burning in the muscles)
- Iron absorption in the small gut
- Synthesis of various amino acids

Those who do not consume enough **vitamin C** can recognize this by symptoms such as tiredness, poor performance, sensitivity to infection, or poor wound healing. In the long term, this can lead to the disease scurvy. **Ascorbic acid** is used as a preservative in many foods (E 300). The labeling of the derivatives are E 301 (sodium ascorbate), E 302 (calcium ascorbate), and E 304 (ascorbyl palmitate + ascorbyl stearate).

Sources

In food, vitamin C is mainly found in fruits and vegetables. The highest natural vitamin C concentrations were found in camu camu and in the bush plum.

The industrial production began in 1934 by Hoffmann – La Roche company. Today China is the largest producer of ascorbic acid.

OUR OFFER

Ascorbic Acid and its derivatives are in the range of ECSA Chemicals.
Please feel free to contact us for further information and price.