

# Astaxanthin (CAS 472-61-7) Market Research Report 2025

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## Abstracts

Astaxanthin (CAS 472-61-7) Market Research Report 2025 presents comprehensive data on Astaxanthin markets globally and regionally (Europe, Asia, North America etc.)

The report includes Astaxanthin description, covers its application areas and related patterns. It overviews Astaxanthin market, names Astaxanthin producers and indicates its suppliers.

Besides, the report provides Astaxanthin prices in regional markets.

In addition to the above the report determines Astaxanthin consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

We can analyze the following elements for each chemical product in any country or region:

capacities and production

consumption volume and structure

market price trends

exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

Astaxanthin (CAS 472-61-7) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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\*Please note that Astaxanthin (CAS 472-61-7) Market Research Report 2025 is a half ready publication and contents are subject to change. It only requires updating with the help of new data that are constantly retrieved from Publisher's databases and other sources. This updating process takes 5-7 business days after order is placed. Thus, our clients always obtain a revised and updated version of each report. Please also note that we do not charge for such an updating procedure. BAC Reports has information for more than 25,000 different chemicals available but it is impossible to have all reports updated immediately. That is why it takes 5-7 days to update a report after an order is received.

## About

Product Name: Astaxanthin

Synonyms:

3,3'-Dihydroxy-4,4'-diketo-?-  
carotene

3,3'-Dihydroxy-?,?-  
carotene-4,4'-dione

3,3'-[(1E,3E,5E,7E,9E,11E,13E,15E,  
17E)-3,7,12,16-Tetramethyl-1,3,5,7,  
9,11,13,15,17-octadecanonaene-1,  
18-diyl]-bis(6-hydroxy-2,4,4-trimethy  
l-2-cyclohexen-1-one)

Astaxanthin

CAS#:

472-61-7

7542-45-2

Formula:  $C_{40}H_{52}O_4$

Molecular Weight: 596.84

Astaxanthin is an organic red-colored carotenoid pigment with the molecular formula  $C_{40}H_{52}O_4$ . This natural nutritional component can be found in aquatic plants, microalgae, red yeast, and even in the feathers of some birds. The structure of astaxanthin was proved by the group led by Professor Basil Weedon in 1975.

Astaxanthin, owing to its health-supporting properties, is a main focus of researchers and a large number of pre-reviewed scientific publications.

Astaxanthin is deemed to be a miracle nutrient, which increases cellular energy, reduces inflammation, improves the immune system, strengthens muscles, prevents or halts the progression of diabetes, etc.

Astaxanthin is utilized as an antioxidant; therefore, it offers powerful free radical scavenging properties and protects the body against lipid peroxidation and oxidative damage of LDL-cholesterol, cell membranes, cells, and tissues. Being a natural suppressor of NF- $\kappa$ B activation, the carotenoid protects skin from oxidative and ultraviolet damage.

Astaxanthin market is covered in the study Astaxanthin (CAS 472-61-7) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks astaxanthin market situation, names manufacturers, suppliers as well as users. The report also provides current astaxanthin prices in the market.

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