

Aminobutyric acid (gamma-) (CAS 56-12-2) Market Research Report 2026

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Abstracts

Aminobutyric acid (gamma-) (CAS 56-12-2) Market Research Report 2026 presents comprehensive data on Aminobutyric acid (gamma-) markets globally and regionally (Europe, Asia, North America etc.)

The report includes Aminobutyric acid (gamma-) description, covers its application areas and related patterns. It overviews Aminobutyric acid (gamma-) market, names Aminobutyric acid (gamma-) producers and indicates its suppliers.

Besides, the report provides Aminobutyric acid (gamma-) prices in regional markets.

In addition to the above the report determines Aminobutyric acid (gamma-) 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).

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capacities and production

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existing technologies

feedstock market condition

market news digest

market forecast.

Aminobutyric acid (gamma-) (CAS 56-12-2) Market Research Report 2026 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 Aminobutyric acid (gamma-) (CAS 56-12-2) Market Research Report 2026 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: Aminobutyric acid (gamma-)

Synonyms:

4-Aminobutyric acid

4-Aminobutanoic acid

4-Aminobutyric acid

Aminalon

Gammalone

Mielomade

Piperidinic acid

GABA

Gamma Aminobutyric Acid

3-Carboxypropylamine

Piperidic acid

?-Aminobutyric acid

CAS#: 56-12-2

Formula: $C_4H_9NO_2$

Molecular Weight: 103.12

Appearance: White to off-white solid.

Gamma-Amino Butyric acid (GABA), formed in brain cells from glutamate, is the main inhibitory neurotransmitter in the central nervous system (CNS) with the chemical formula $C_4H_9NO_2$. It is a white microcrystalline powder stable under normal temperatures and pressures; melting at 195 °C (dec.)(lit.) and boiling at 248 °C. The acid regulates the neuronal excitability through CNS and also controls the muscle tone.

At present, GABA is mainly used as a dietary supplement with a calming effect or, in other words, as a natural tranquilizer. The acid is also believed to increase the Human Growth Hormone and, thereby, is very popular among the body builders. At the same time, there are some medical disagreements concerning the GABA efficiency.

GABA is taken by mouth/under the tongue and works by blocking brain signals. The GABA uptake inhibitors which are active when given orally can be formulated as liquids, for example, syrups, suspensions or emulsions, tablets, capsules and lozenges. Usually, GABA is used to relieve anxiety, improve mood, reduce symptoms of premenstrual syndrome (PMS), to treat attention deficit-hyperactivity disorder (ADHD) as well as to promote lean muscle growth, burn fat, stabilize blood pressure and relieve pain.

Currently, GABA supplements are promoted as an alternative to tranquilizers, but medical opinion is that GABA doesn't pass the blood brain barrier, which prevents chemicals circulating in the blood from reaching the brain. Often it is just considered to be a benign placebo. Therefore, no sufficient evidence whether GABA is useful or not is provided so far.

GABA market is covered in the study GABA (CAS 56-12-2) Market Research Report 2013. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks GABA market situation, names manufacturers, suppliers as well as users. The report also provides current GABA prices in the market.

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