

# Global and United States Guanidinoacetic Acid Market Research by Company, Type & Application 2013-2025

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# Abstracts

#### SUMMARY

Guanidinoacetic Acid is a metabolite of glycine in which the amino group has been converted into a guanidine. Guanidinoacetic Acid is a direct precursor of creatine and is used as a supplement. Taking guanidinoacetic acid can increase muscle strength and slow muscle fatigue, etc. And add guanidinoacetic acid into fodder can make lean pig's body improve significantly. However the metabolism of creatine from Guanidinoacetic Acid in the liver causes a depletion of methyl groups. This causes homocysteine levels to rise, which has been shown to produce cardiovascular and skeletal problems. A series of studies showed that a combination of betaine and Guanidinoacetic Acid improves the symptoms of patients with chronic illness, including heart disease, without toxicity. Betaine can provide a methyl group to glycocyamine, via methionine, for the formation of creatine. In overall, such treatment led to less fatigue, greater strength and endurance, and an improved sense of well-being. The patients with cardiac decompensation (arteriosclerosis or rheumatic disease) and congestive heart failure had improved cardiac function. The patients gained weight (improved nitrogen balance) and saw lessened symptoms of arthritis and asthma and increased libido, and those people suffering from hypertension experienced transient reduced blood pressure. Also the studies shows the increase of glucose tolerance in both diabetic subjects and subjects without diabetes.

Market Segment as follows:

Ву Туре

Feed Grade



#### Pharmaceutical Grade

Others

#### By Application

Fodder

Medicine

Others

#### By Company

AlzChem

**Tiancheng Chempharm** 

Jiangsu Yuanyang

Hubei Yuanhua

Hebei Daxiao

GENDONE

Shijiazhuang Zexing Group

Lubon Industry

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview; Section 2:

Global and United States Guanidinoacetic Acid Market Research by Company, Type & Application 2013-2025



Global and United States Market competition by company; Section 3: Global and United States sales revenue, volume and price by type; Section 4: Global and United States sales revenue, volume and price by application; Section 5: United States export and import; Section 6: Company information, business overview, sales data and product specifications; Section 7: Industry chain and raw materials; Section 8: SWOT and Porter's Five Forces; Section 9: Conclusion.



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