

# Global L-Valine Industry Report 2016

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## Abstracts

This report provides detailed analysis of worldwide markets for L-Valine from 2011-2016, and provides extensive market forecasts (2016-2021) by region/country and subsectors. It covers the key technological and market trends in the L-Valine market and further lays out an analysis of the factors influencing the supply/demand for L-Valine, and the opportunities/challenges faced by industry participants. It also acts as an essential tool to companies active across the value chain and to the new entrants by enabling them to capitalize the opportunities and develop business strategies.

Valine (abbreviated as Val or V) encoded by the codons GUU, GUC, GUA, and GUG is an  $\alpha$ -amino acid that is used in the biosynthesis of proteins. It contains an  $\alpha$ -amino group (which is in the protonated  $\text{NH}_3^+$  form under biological conditions), an  $\alpha$ -carboxylic acid group (which is in the deprotonated  $\text{COO}^-$  form under biological conditions), and a side chain isopropyl variable group, classifying it as a non-polar amino acid. It is essential in humans, meaning the body cannot synthesize it and thus it must be obtained from the diet. Human dietary sources are any proteinaceous foods such as meats, dairy products, soy products, beans and legumes. Along with leucine and isoleucine, valine is a branched-chain amino acid. In sickle-cell disease, valine substitutes for the hydrophilic amino acid glutamic acid in  $\beta$ -globin. Because valine is hydrophobic, the hemoglobin is prone to abnormal aggregation.

GCC's report, Global L-Valine Industry Report 2016, has been prepared based on the synthesis, analysis, and interpretation of information about the global L-Valine market collected from specialized sources. The report covers key technological developments in the recent times and profiles leading players in the market and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of key industry players. The major players in the global L-Valine market are Ajinomoto, Kyowa Hakko, Evonik, CJ CheilJedang, Fufeng Group, Fujian Maidan.

The report provides separate comprehensive analytics for the North America, Europe, Asia-Pacific, Middle East and Africa and Rest of World. In this sector, global competitive landscape and supply/demand pattern of L-Valine industry has been provided.

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## **ABBREVIATIONS**

## **DISCLAIMER**

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