

Global L-Ornithine Industry Report 2016

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Abstracts

This report provides detailed analysis of worldwide markets for L-Ornithine 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-Ornithine market and further lays out an analysis of the factors influencing the supply/demand for L-Ornithine, 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.

Ornithine is a non proteinogenic amino acid that plays a role in the urea cycle. Ornithine is abnormally accumulated in the body in ornithine transcarbamylase deficiency. L-Ornithine is one of the products of the action of the enzyme arginase on L-arginine, creating urea. Therefore, ornithine is a central part of the urea cycle, which allows for the disposal of excess nitrogen. Ornithine is recycled and, in a manner, is a catalyst. First, ammonia is converted into carbamoyl phosphate (phosphate-CONH₂). Ornithine is converted into a urea derivative at the ? (terminal) nitrogen by carbamoyl phosphate. Another nitrogen is added from aspartate, producing the denitrogenated fumarate, and the resulting arginine (a guanidinium compound) is hydrolysed back to ornithine, producing urea. The nitrogens of urea come from the ammonia and aspartate, and the nitrogen in ornithine remains intact.

GCC's report, Global L-Ornithine Industry Report 2016, has been prepared based on the synthesis, analysis, and interpretation of information about the global L-Ornithine 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-Ornithine market are Kyowa Hakko, Protein Chemical, Jingjing, Ningbo Zhenhai Haide, Ningtong Biotech, Wuhan Grand Hoyo, Shaoxing King-Year.

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-Ornithine industry has been provided.

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ABBREVIATIONS

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