

# Europe L-Carnitine Market (2019-2025)

<https://marketpublishers.com/r/E1BFEFCA4A4DEN.html>

Date: December 2019

Pages: 69

Price: US\$ 1,500.00 (Single User License)

ID: E1BFEFCA4A4DEN

## Abstracts

The Europe L-Carnitine Market would witness market growth of 3.91% CAGR during the forecast period (2019-2025).

L-carnitine is produced from the most commonly used chemical synthesis procedure called the chemical multistep racemization. It further generates a racemic mixture with D-carnitine as a byproduct. Usually, the process starts by including raw materials like epichlorohydrin and trimethylamine. It is followed by the separation of a racemic mixture through fractionated crystallization. Market players are aimed at providing their customers with a wide product portfolio, improved customer service, and increased value. In addition, they provide stand-alone or integrated, cost-effective solutions to help organizations. They put an extensive focus on providing their clients with customized products in order to achieve a competitive edge. In addition, these businesses ensure that their facilities are equipped with high technical skills and operational capability to provide their customers with integrated services.

The increased demand for commercial products has encouraged the manufacturers to optimize their production processes to gather improved yield. Microorganism and enzyme-based biological processes are fundamentally asymmetric processes. The most common bioprocess used in the development of L-carnitine with the highest yield is centered on biotransformation of achiral precursors like crotonobetain, 3-dehydrocarnitine, and  $\gamma$ -butyrobetaine or racemic mixtures like D, L-carnitine, D, L-acyl carnitine, and D, L-carnitinamide.

Based on Product, the market is segmented into Food & Pharma Grade and Feed Grade. Based on Process, the market is segmented into Chemical Synthesis and Bioprocess. Based on Application, the market is segmented into Healthcare Product, Functional Drink, Medicine and Animal Food. Based on countries, the market is segmented into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Merck Group, Lonza Group AG, Northeast Pharmaceutical Group Co. Ltd., Cayman Chemical Company, Inc., Tokyo Chemical Industry Co. Ltd., Ceva Sante Animale S.A., Kaiyuan Hengtai Chemical Co., Ltd., ChengDa Pharmaceuticals Co., Ltd., HuangGang HuaYang Pharmaceutical Co., Ltd., and HuBei YuanCheng SaiChuang Technology Co. Ltd.

## Scope of the Study

### Market Segmentation:

#### By Product

- Food & Pharma Grade

- Feed Grade

#### By Process

- Chemical Synthesis

- Bioprocess

#### By Application

- Healthcare Product

- Functional Drink

- Medicine

- Animal Food

#### By Country

Germany

UK

France

Russia

Spain

Italy

Rest of Europe

#### Companies Profiled

Merck Group

Lonza Group AG

Northeast Pharmaceutical Group Co. Ltd.

Cayman Chemical Company, Inc.

Tokyo Chemical Industry Co. Ltd.

Ceva Sante Animale S.A.

Kaiyuan Hengtai Chemical Co., Ltd.

ChengDa Pharmaceuticals Co., Ltd.

HuangGang HuaYang Pharmaceutical Co., Ltd.

HuBei YuanCheng SaiChuang Technology Co. Ltd.

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