

Quinic Acid Market Report and Forecast 2025-2034

Market Report | 2025-07-15 | 173 pages | EMR Inc.

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Report description:

The global quinic acid market is expected to grow at a CAGR of 3.50% between 2025 and 2034. Major market drivers are its applications in the preparation of drugs, antifungal inhibitory activities, and diet constituents.

Key Trends in the Market

Quinic acid is a chemical compound and is a type of a cyclic polyol, cyclitol, and a cyclohexane carboxylic acid that is prepared synthetically by the hydrolysis of chlorogenic acid. It is a crystalline acid and a colourless solid that can also be obtained from plant sources such as coffee beans, cinchona bark, carrot leaves, and various other plant products. The chemical formula for quinic acid is C₇H₁₂O₆. Quinic acid is soluble in water and can crystallise in large colourless prisms.

- Quinic acid possess anti-neuroinflammatory properties that is known for keeping the human brain healthy. It also offers radioprotection and antioxidant properties fuelling the quinic acid market growth.
- It is mainly used as an astringent for medical use and for industrial use. It is a chiral starting material for synthesis of pharmaceuticals and is also used in the synthesis of Oseltamivir, which is then used in the treatment of influenza A and B.
- Quinic acid acts as an antioxidant which also exhibits anti-cancer properties. The activities can be observed through apoptosis-mediated cytotoxicity in breast cancer cell. Moreover, it also has a strong affinity for selectins which has helped in its growth in the overall market.
- Quinic acid must be neutralised before discharge into the drains, ground or surface water or will severely affect human health as well as the environment.
- Six membered rings of quinic acid can readily be degraded by some bacteria or by fungi and can transform into other compounds which increases its medical as well as industrial use helping in the growth of the overall market.

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Market Segmentation

Global Quinic Acid Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Market Breakup by Source

- Natural
- Synthetic

Market Breakup by Application

- Drugs for Influenza Treatment
- Drugs for Swine Flu Treatment
- Drugs for Dengue Treatment
- Others

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the key players in the global quinic acid market covering their competitive landscape and latest developments like mergers, acquisitions, investments, and expansion plans.

Market Share by Applications

The applications of quinic acid in drugs for influenza treatment is expected to have a larger share in the quinic acid market owing to wide prevalence of influenza globally, the development of effective drugs for the treatment of influenza A and influenza B. Oseltamivir is an antiviral medication which is synthesised with quinic acid and is widely used for the treatment used for influenza.

Another key application of quinic acid is in the preparation of drugs for dengue treatment. A widely prevalent disease, particularly in tropical nations, the incidence of the infection is increasing rapidly. Quinic acid derivatives have a chemical class of active compounds which are believed to be useful in fighting the dengue virus, increasing the demand for quinic acid in the market.

Market Share by Region

There are several key players and manufacturers located in the Europe and North America regions, resulting in these regions having a larger market share for quinic acid. Leading exporters of quinic acid are Germany and the United States, while India is a key importer.

Influenza and dengue are widely prevalent in the Asia Pacific region, thereby increasing the demand and use of quinic acid which

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is used to in the preparation of drugs to treat both these conditions. With an increase in the number of influenza and dengue affected people, the demand for quinic acid in the Asia Pacific is expected to grow rapidly.

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