

Nucleotides Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The nucleotides market is expected to register a CAGR of over 7% during the forecast period (2022-2027).

The impact of the COVID-19 pandemic was positive on the market, as nucleotides find major applications in treating viral diseases.

The major factor driving the market is the growing demand for nucleotides from pharmaceuticals. On the flip side, the limited penetration into the aquafeed industry is hindering the growth of the market.

Nucleotides from pharmaceutical applications are expected to dominate the market studied over the forecast period.

The North American region represents the largest market, and it is also expected to be the fastest-growing market over the forecast period, owing to the increasing consumption from countries like the United States and Canada.

Nucleotides Market Trends

The Food and Animal Feed Additives Segment is Expected to Dominate the Market

Nucleotides are vital in terms of nutritional and physiological functions. Inosine monophosphate (IMP) and guanosine monophosphate (GMP) are widely used as palatability enhancers in food. This helps nucleotides to enhance palatability for feed.

Also, nucleotides affect the recovery of intestinal epithelial cells, which helps boost immunity. Tissue cells involved in immunity cannot self-synthesize nucleotides. Thus, immunity is strengthened by dietary nucleotides.

The rising incidences of animal diseases require maintaining adequate metabolism rates in livestock. Consumer awareness has

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also grown in this segment, which has increased the demand for animal feed.?

According to the International Feed Industry Federation, global compound feed production has reached an estimated 1 billion ton annually. Global commercial feed manufacturing generates an estimated annual turnover of over USD 400 billion. ?

The UN Food and Agricultural Organisation (FAO) estimates that the world will have to produce 60% more food by 2050, and it is believed that animal protein production will grow even more - meats (poultry/swine/beef) will double, and dairy and fish production will almost triple by 2050.

Hence, based on the aforementioned aspects, the food and animal feed additives segment is expected to dominate the market during the forecast period.

China is Expected to Dominate the Asia-Pacific Market

China is the second-largest market for pharmaceuticals globally. The market for pharmaceuticals is emerging rapidly due to the growing middle-class and aging population in the country, rising incomes, and increasing urbanization.

The pharmaceutical sales of the country are expected to reach up to USD 175 billion by the end of 2022. This is expected to boost the growth of the market studied in terms of its usage in the pharmaceutical industry.

The Chinese government promulgated Healthy China 2030, which is a blueprint outlining its ongoing intent to prioritize health as a precondition for sustained social and economic development. Additionally, the growing research in pharmaceuticals in the country is also expected to augment the demand for nucleotides during the forecast period.

Additionally, owing to the COVID-19 pandemic, the demand for and production of pharmaceuticals have increased in the country. The world is in need of pharmaceuticals from China due to the impact caused by the COVID-19 pandemic.

China's livestock industry has expanded rapidly in recent years as diets shift toward more animal proteins. At present, China is the world's largest producer of livestock products and the largest manufacturer of animal feed.

Hence, based on the aforementioned aspects, China is expected to dominate the Asia-Pacific market during the forecast period (2022-2027).

Nucleotides Market Competitor Analysis

The nucleotide market is highly consolidated, with the top players holding the lion's share in the market. The top players account for a share of around 80% of the total market. The key players in the market (in no particular order) include CJ CheilJedang Corp., Ajinomoto Co. Inc., Thermo Fisher Scientific Inc., DAESANG, and STAR LAKE BIOSCIENCE, among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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