

Stable Isotope Labeled Compounds Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Compounds (Carbon (13C), Nitrogen(15N), Deuterium, Oxygen(18O), Others), By Application (Diagnosis, Drug Discovery, Imaging, Sterilization, Others), By Substances (Nucleic Acids, Amino Acids, Drugs/Metabolites, Fatty Acids /Lipids, NMR Solvents and Others), By Indication (Cardiology, Neurology, Inflammation, Metabolic disease and Others), By Method (Chemical, Cell-culturing), By End-User (Pharmaceutical and Biotechnology Companies, Academic Institute and Others), By Region, Competition, Forecast & Opportunities, 2028

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Abstracts

The global stable isotope labeled compounds is expected to grow at a significant rate during the forecast period, 2024-2028. The increasing incidence and prevalence of cancer coupled with growing research and development activities in proteomics are expected to augment the growth of the market. According to the World Health Organization (WHO), Cancer is a major factor for the cause of death across the world, accounting for approximately 10 million deaths in 2020, or about one in six deaths. The most common cancers are lung, breast, colon and rectum and prostate cancers. Stable isotope labeled compounds are used to check the isotope pathway during a chemical

metabolism or to detect any isotopic presence in the cells. Thus, they are generally used in biomedical research and the R&D sector, which, in turn, propel the growth of the market. Besides, the growing investments in research and development programs by the biotechnology and pharmaceutical companies along with surge in demand for new effective therapeutics and diagnosis are anticipated to facilitate the growth of the market.

However, the inability to buy stable isotope labeled compounds due to high cost is expected to slow down the growth of the market. Also, lack of skilled professionals for conducting research activities is anticipated to hinder the growth of the market in upcoming years.

The global stable isotope labeled compounds market is segmented into compounds, application, substances, indication, method, end-user, company, and region. The end-user segment is further fragmented into pharmaceutical and biotechnology companies, academic institute, and others. Out of which, pharmaceutical and biotechnology companies segment is expected to be the fastest growing segment in the coming years. This is ascribed to the increasing research & development spending, and growing use of stable isotope-labeled compounds in R&D in the pharmaceutical and biotechnology companies.

Based on region, global stable isotope labeled compounds market is segmented into Asia-Pacific, Europe, North America, South America, and Middle East & Africa. As of 2022, North America is expected to dominate the stable isotope-labeled compounds market in the forecast period. This is attributed to the presence of various stable isotope-based research companies, along with growing support for the sector from the Isotope Production and Distribution Program Fund.

Major players of the global stable isotope labeled compounds market include PerkinElmer Inc., Merck KGaA, 3M, Cambridge Isotope Laboratories, Inc., JSC Isotope., Creative Proteomics., Medical Isotopes, Inc., Omicron Biochemicals, Inc., Trace Sciences International, and Nippon Sanso Holdings Corporation.

Objective of the Study:

To analyze and forecast the market size of global stable isotope labeled compounds market.

To classify and forecast global stable isotope labeled compounds market based

on compounds, application, substances, indication, method, end-user, region and company.

To identify drivers and challenges for global stable isotope labeled compounds market.

To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in global stable isotope labeled compounds market.

To conduct pricing analysis for global stable isotope labeled compounds market.

To identify and analyze the profile of leading players operating in global stable isotope labeled compounds market.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of manufacturers across the globe. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents were also enquired about their competitors. Through this technique, TechSci Research could include the manufacturers which could not be identified due to the limitations of secondary research. TechSci Research analyzed the manufacturers, distribution channels and presence of all major players across the globe.

TechSci Research calculated the market size of global stable isotope labeled compounds market using a bottom-up approach, wherein data for various end-user segments was recorded and forecast for the future years. TechSci Research sourced these values from the industry experts and company representatives and externally validated through analyzing historical data of these product types and applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations and financial reports were also studied by TechSci Research.

Key Target Audience:

Stable isotope labeled compounds market players, suppliers, distributors and other stakeholders

Biotechnology and pharma companies

Government bodies such as regulating authorities and policy makers

Organizations, forums, and alliances related to stable isotope labeled compounds

Market research and consulting firms

The study is useful in providing answers to several critical questions that are important for the industry stakeholders such as manufacturers, partners, end users, etc., besides allowing them in strategizing investments and capitalizing on market opportunities.

Report Scope:

In this report, global stable isotope labeled compounds market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Stable Isotope Labeled Compounds Market, By Compounds:

Carbon (^{13}C)

Nitrogen(^{15}N)

Deuterium

Oxygen(^{18}O)

Others

Stable Isotope Labeled Compounds Market, By Application:

Diagnosis

Drug Discovery

Imaging

Sterilization

Others

Stable Isotope Labeled Compounds Market, By Substances:

Nucleic Acids

Amino Acids

Drugs/Metabolites

Fatty Acids/Lipids

NMR Solvents

Others

Stable Isotope Labeled Compounds Market, By Indication:

Cardiology

Neurology

Inflammation

Metabolic disease

Others

Stable Isotope Labeled Compounds Market, By Method:

Chemical

Cell-culturing

Stable Isotope Labeled Compounds Market, By End-User:

Pharmaceutical and Biotechnology Companies

Academic Institute

Others

Stable Isotope Labeled Compounds Market, By Region:

Asia-Pacific

China

India

Japan

South Korea

Australia

Europe

France

Germany

United Kingdom

Italy

Spain

North America

United States

Mexico

Canada

South America

Brazil

Argentina

Colombia

Middle east & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global stable isotope labeled compounds market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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