

Drug Discovery Informatics Market By Application (Drug Discovery, Drug Development), By Function (Sequencing and Target Data Analysis, Library and Database Preparation, Docking, Molecular Modelling, Others), By End User (Biotechnology Companies, Pharmaceutical Companies, Contract Research Organizations, Other End Users): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2024-03-01 | 280 pages | Allied Market Research

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Report description:

The global drug discovery informatics market size was valued at \$2.9 million in 2022 and is projected to reach \$7.9 million by 2032, registering a CAGR of 10.5% from 2023 to 2032.m

Drug discovery informatics involves the utilization of information technology to aid researchers in the process of drug discovery and development. The key factors that drive drug discovery informatics market growth are the rise in the prevalence of chronic diseases such as cancer, cardiovascular diseases, diabetes, high blood pressure, and various other diseases, the rise in R&D activities for drug discovery, and the surge in demand for target drug therapy. For instance, according to the report published by IQVIA in June 2022, it has been estimated that oncology trial starts reached historically high levels in 2021, up 56% from 2016 and mostly focused on rare cancer indications, a record 30 oncology novel active substances were initially launched globally in 2021, and a total of 159 have been launched since 2012. Thus, the rise in the number of research activities increases the demand for performing clinical trials to launch the new molecule in the market drives growth of the market.

Furthermore, the rise in usage of AI in drug discovery as well as rapid shift toward patent expiration, biologics, unprecedented downsizing of internal discovery of big pharmaceuticals, and surge in incidences of antibiotic resistance as well as drug resistance boost the growth of the market. However, the high cost of outsourcing services and stringent government regulations are the

major barriers to the growth of the market. Conversely, rising cases of cancer, genetic diseases, chronic diseases, large geriatric population, favorable regulatory environment, and availability of low-cost skilled manpower with high-quality data in developing countries are expected to provide the drug discovery informatics market opportunity for growth during the forecast period.

The drug discovery informatics market is segmented into application, function, end user, and region. Based on application, the market is segmented into drug discovery and drug development. Based on function, the market is segmented into sequencing and target data analysis, library, and database preparation, docking, molecular modelling and others. Based on end users, the market is segmented into biotechnology companies, pharmaceutical companies, contract research organizations and other end users.

Region wise, the drug discovery informatics market is segmented into North America, Europe, Asia-Pacific, and LAMEA.

Major companies operating in this market include Certara, Boehringer Ingelheim International GmbH, Infosys Ltd., Charles River Laboratories, Collaborative Drug Discovery, Inc., Eurofins DiscoverX Products, Jubilant Biosys, Selvita, Novo Informatics Pvt. Ltd., ChemAxon Ltd., Albany Molecular Research Inc., Oracle, Accenture, Agilent Technologies, Inc., and Illumina, Inc.

Key players have adopted partnership and collaboration as their key strategy to improve the product portfolio of the drug discovery informatics market.

Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the drug discovery informatics market analysis from 2022 to 2032 to identify the prevailing drug discovery informatics market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the drug discovery informatics market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global drug discovery informatics market trends, key players, market segments, application areas, and market growth strategies.

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- Additional company profiles with specific to client's interest
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- Expanded list for Company Profiles
- Historic market data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)

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