

Drug Discovery Informatics Market Size, Trends, Analysis, and Outlook By Function (Sequencing and Target Data Analysis, Docking, Molecular Modelling, Library & Database Preparation, Others), By Application (Drug Discovery, Drug Development), By Solution, Software, Services), By End User (Pharmaceutical Companies, Biotechnology Companies, Contract Research Organization (CROs), Others), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/D5EB221E9B2EEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: D5EB221E9B2EEN

Abstracts

The global Drug Discovery Informatics market size is poised to register 10.92% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Drug Discovery Informatics market across By Function (Sequencing and Target Data Analysis, Docking, Molecular Modelling, Library & Database Preparation, Others), By Application (Drug Discovery, Drug Development), By Solution, Software, Services), By End User (Pharmaceutical Companies, Biotechnology Companies, Contract Research Organization (CROs), Others).

The drug discovery informatics market is experiencing significant growth driven by the increasing adoption of computational tools, artificial intelligence (AI), and big data analytics in pharmaceutical research and development (R&D), the growing emphasis on precision medicine, and the rising demand for novel therapeutics. Drug discovery informatics involves the application of informatics technologies and computational

methods to accelerate the drug discovery process, improve target identification, optimize lead compound selection, and enhance preclinical and clinical trial outcomes. Factors such as the expanding drug development pipelines, the need for cost-effective and time-efficient drug discovery solutions, and the integration of data-driven approaches in drug design and optimization are driving market growth. Additionally, advancements in cloud computing, machine learning, and predictive modeling techniques are enabling pharmaceutical companies to harness vast amounts of biological, chemical, and clinical data for more informed decision-making and accelerated drug development cycles. Moreover, the increasing adoption of in silico modeling, virtual screening, and computer-aided drug design (CADD) platforms is revolutionizing the drug discovery process and driving innovation in the pharmaceutical industry. Furthermore, strategic collaborations between pharmaceutical companies, contract research organizations (CROs), and technology providers are fostering the development of integrated informatics solutions and accelerating drug discovery efforts across various therapeutic areas.

Drug Discovery Informatics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Drug Discovery Informatics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Drug Discovery Informatics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Drug Discovery Informatics industry.

Key market trends defining the global Drug Discovery Informatics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

Drug Discovery Informatics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Drug Discovery Informatics industry comprises a wide range of segments and sub-

segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Drug Discovery Informatics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Drug Discovery Informatics industry

Leading Drug Discovery Informatics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Drug Discovery Informatics companies.

Drug Discovery Informatics Market Study- Strategic Analysis Review

The Drug Discovery Informatics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

Industry Dynamics: Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

Strategic Insights: Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

Internal Strengths and Weaknesses: Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

Future Possibilities: Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

Drug Discovery Informatics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Drug Discovery Informatics industry report provides a detailed analysis and outlook

of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

Drug Discovery Informatics Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Drug Discovery Informatics Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Drug Discovery Informatics market segments. Similarly, Strong end-user demand is encouraging Canadian Drug Discovery Informatics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Drug Discovery Informatics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Drug Discovery Informatics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Drug Discovery Informatics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Drug Discovery Informatics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Drug Discovery Informatics Market Size Outlook- an attractive hub for

opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Drug Discovery Informatics in Asia Pacific. In particular, China, India, and South East Asian Drug Discovery Informatics markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Drug Discovery Informatics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Drug Discovery Informatics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Drug Discovery Informatics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Drug Discovery Informatics.

Drug Discovery Informatics Market Company Profiles

The global Drug Discovery Informatics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are 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, Illumina Inc

Recent Drug Discovery Informatics Market Developments

The global Drug Discovery Informatics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Drug Discovery Informatics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Function

Sequencing and Target Data Analysis

Docking

Molecular Modelling

Library & Database Preparation

Others

By Application

Drug Discovery

Drug Development

By Solution

Software

Services

By End User

Pharmaceutical Companies

Biotechnology Companies

Contract Research Organization (CROs)

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Certara

Boehringer Ingelheim International GmbH

Infosys Ltd

Charles River Laboratories

Collaborative Drug Discovery Inc

Eurofins DiscoverX Products

Jubliant Biosys

Selvita

Novo Informatics Pvt. Ltd

ChemAxon Ltd

Albany Molecular Research Inc

Oracle

Accenture

Agilent Technologies Inc

Illumina Inc

Formats Available: Excel, PDF, and PPT

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- ChemAxon Ltd
- Albany Molecular Research Inc
- Oracle
- Accenture
- Agilent Technologies Inc
- Illumina Inc

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