Global Market Size of AI in Drug Discovery Industry Projected to Reach $485 Million By 2026 | Report by Facts & Factors

Global AI in the Drug Discovery market expected to reach USD 12,000 million by 2026, to grow at 39% CAGR from 2020 to 2026.


AI in Drug Discovery Market

NEW YORK, UNITED STATES, February 11, 2020 /EINPresswire.com/ -- Facts and Factors has authored "AI in Drug Discovery Market By Drug Type (Small Molecule and Large Molecule), By Technology (Deep Learning, Machine Learning, Others), By End User (Pharmaceutical Companies, Biopharmaceutical Companies, Academic & Research Institutes, and Others), By Therapeutic Area (Metabolic Diseases, Cardiovascular Diseases, Immuno-Oncology, Oncology, Neurodegenerative Diseases, Others): Global Industry Perspective, Comprehensive Analysis, and Forecast, 2020–2026".

According to our analysts, the global AI in the Drug Discovery market in 2019 is valued at around USD 830 million and is expected to reach around USD 12,000 million by 2026. The predicted CAGR for the global AI in the Drug Discovery market is around 39% from 2020 to 2026.

Artificial Intelligence is a machine, device, or company method for learning about how smart human thought is. ... And that research eventually develops intelligent software systems. Modularizing artificial intelligence with health-care tools in pharmaceutical, biopharmaceutical companies, and drug discovery research organizations is called drug discovery AI. Machine learning and other innovations will allow pursuing new pharmaceuticals quicker, cheaper and more successful. Drug companies rapidly understand the importance of introducing systems focused on Artificial Intelligence (AI) that can exploit data on gene variants, receptor targets, metabolic enzymes, disease events, and clinical studies to find hidden associations in drug-disease.

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One of the drivers for the market could be the growing demand for genetic data analysis and customized medication. Machine learning could help enhance treatment by incorporating biomedical and scientific statistics with computational models and can be used to build software

to check drugs and other therapies. Some computational replicas and tactics that sustenance the accumulation of clinical statistics are under progress and are moreover a few very good examples of successful data integration in biology and medicine. One of the possible alternatives is to interpret the genetic makeup as a one-dimensional model and then to implement a regular algorithm for machine learning.

Another driver for the market is Quantum machine learning research indicating this method should be useful for finding complex patterns in results. Given the complexity of biological and clinical details, deterministic quantic machine learning algorithms represent a real chance to better know them. The introduction of a novel machine-learning algorithm for drug discovery in the near future is expected to generate an immense opportunity for the growth of the market in the near future. In the near future, the increasing relationship between pharmaceutical companies and AI-based companies to automate the drug discovery approach is expected to generate huge opportunities for company growth.

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Browse the full “AI in Drug Discovery Market: Global Industry Perspective, Comprehensive Analysis, and Forecast, 2020–2026” report at https://www.fnfresearch.com/ai-in-drug-discovery-market

By Drug Type, the segmentation includes small molecule and large molecule. Here small molecule type is accounted for the market share of around 60% and are likely to dominate in the target market. Further, based on the technology it can be segmented into deep learning, machine learning, and other segments in which machine learning accounts for the market share of around 50% and is probable to dominate in the target market. Based on the end-user it can be segmented into pharmaceutical companies, biopharmaceutical companies, academic and research institutions where pharmaceutical companies dominate with around 40% market share in the target market. Depending on the therapeutic area, it can be segmented into metabolic disease, cardiovascular disease, immuno-oncology, oncology, neurodegenerative diseases and others where oncology controls the target market at about 40% share of the market. It can be segmented into North America, Europe, Asia pacific, middle east & Africa, and Latin America, based on the geographic field, where North America dominates the target market at around 50% market share.

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The key players involved in this market are

Atomwise Inc
BenevolentAI
Bioage
Cloud Pharmaceuticals, Inc

Exscientia Ltd
Insilico Medicine, Inc
Numerate, Inc
Envisagenics, Inc
Two XAR, Inc
Accutar Biotechnology, Inc
Recursion Pharmaceuticals, Inc
Silicon Therapeutics LLC
AstraZeneca PLC

This report segments the AI in Drug Discovery market as follows:

Global AI in Drug Discovery Market: By Drug Type Segment Analysis

small molecule
large molecule

Global AI in Drug Discovery Market: By Technology Segment Analysis

deep learning
machine learning
other segments

Global AI in Drug Discovery Market: By End-user Segment Analysis

pharmaceutical companies
biopharmaceutical companies
academic and research institutions

Global AI in Drug Discovery Market: By Therapeutic Area Segment Analysis

metabolic disease
cardiovascular disease
immuno-oncology
oncology
neurodegenerative diseases

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