

Solid Tumor Therapeutics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-07-01 | 114 pages | Mordor Intelligence

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Report description:

Solid Tumor Therapeutics Market Analysis

The solid tumor therapeutics market size stood at USD 207.29 billion in 2025 and is forecast to advance to USD 307.41 billion by 2030, reflecting an 8.21% CAGR. Robust innovation in antibody-drug conjugates, immune-checkpoint inhibitor combinations, and biomarker-driven regimens is expanding clinical options and broadening patient pools. Rising cancer prevalence-projected at 32 million new cases annually by 2050-sustains long-term demand, while value-based reimbursement pilots in the United States and outcome-linked contracts in Europe are strengthening payer confidence. North America preserves pricing leadership through strong intellectual-property protections, yet Asia-Pacific is closing the innovation gap as regulatory agencies accelerate approvals. Consolidation among large multinational companies and mid-cap biotech firms is reshaping competitive positioning, and investment in AI-enabled discovery partnerships is shortening pre-clinical timelines.

Global Solid Tumor Therapeutics Market Trends and Insights

Rising Global Cancer Incidence and Prevalence

The solid tumor therapeutics market has a direct demand correlation with the escalating burden of cancer, which is projected to hit 32 million new diagnoses each year by 2050. Solid tumors represent around 85% of these cases, with Asia-Pacific registering the steepest uptick as urbanization and lifestyle shifts aggravate risk factors. China alone accounts for nearly 30% of worldwide incidence, prompting multinational companies to tailor market-entry plans toward provincial reimbursement schemes. Population

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aging in the United States and Western Europe is simultaneously growing the pool of patients eligible for novel therapies. Taken together, these epidemiological patterns ensure a steady inflow of candidates for next-generation treatments within the solid tumor therapeutics market.

Technological Advancements in Targeted and Immuno-Oncology Therapies

Antibody-drug conjugates (ADCs) have become the most dynamic modality, expanding from USD 10 billion sales in 2023 to an estimated USD 39 billion by 2033 as 80% of late-stage ADC assets target solid tumors. Breakthrough approvals such as trastuzumab deruxtecan for HER2-low breast cancer and datopotamab deruxtecan for lung cancer are delivering progression-free survival gains exceeding 50% versus chemotherapy. Combining PD-1 inhibitors with CTLA-4 agents and standard chemotherapy has yielded five-year overall-survival rates of 18% in metastatic NSCLC compared with 11% for chemotherapy alone. As algorithm-driven drug-design platforms mature, companies are allocating over USD 1 billion to AI partnerships to compress discovery timelines. These scientific strides are reinforcing confidence in the long-run expansion of the solid tumor therapeutics market.

Stringent Regulatory Approval Processes for Oncology Drugs

Median development timelines for an oncology asset still span 10-15 years, while failure rates exceed 90% from Phase I to approval. The FDA's 2021 value-oriented guidance demands active-comparator data, raising trial complexity. Combination regimens require multi-arm studies across tumor types, further stretching resources. Although China's priority-review channel has trimmed approval to 263.5 days, dossiers still need expansive efficacy evidence that can delay commercialization by up to three years. The cumulative effect tempers the near-term growth velocity of the solid tumor therapeutics market.

Other drivers and restraints analyzed in the detailed report include:

Growing Adoption of Precision Medicine and Companion Diagnostics / Increasing Government and Private Funding In Oncology Research / High Treatment Costs Limiting Patient Access /

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

Breast cancer retained 25.67% of 2024 revenue, giving it the largest slice of the solid tumor therapeutics market size. HER2-low classifications enabled by trastuzumab deruxtecan enlarged the treatable group by 60%, accelerating revenue growth. Lung cancer, the second-largest segment, benefited from osimertinib's 39.1-month median progression-free survival in stage III EGFR-mutated disease.

Prostate cancer is projected to log the fastest 10.34% CAGR through 2030, buoyed by metastasis-directed approaches that enhance progression-free intervals in oligometastatic settings. Colorectal programs are evaluating total-ablative therapy, and cervical-cancer dynamics are shifting as HPV vaccination alters prevalence patterns. Innovation in pancreatic and neuroendocrine tumors, ranging from tumor-treating fields to novel immunomodulators, is diversifying revenue sources across the solid tumor therapeutics industry.

The Solid Tumor Therapeutics Market Report is Segmented by Cancer Type (Breast Cancer, Lung Cancer, and More), Drug Type (Carboplatin, Cisplatin, and More), Administration Route (Intravenous, Oral, Subcutaneous, Intratumoral, Other Administration Routes), and Geography (North America, Europe, Asia-Pacific, Middle East & Africa, South America). The Market Forecasts are Provided in Terms of Value (USD).

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Geography Analysis

North America led revenue with a 42.43% slice in 2024 as premium pricing, broad insurance coverage and deep clinical-trial networks supported rapid uptake of novel agents. Continued consolidation of oncology practices is strengthening distributor bargaining clout, although payer scrutiny of high-cost drugs is intensifying.

Europe remains the second-largest region, with Germany, the United Kingdom and France spearheading adoption of advanced therapies under coordinated EMA frameworks. Reference-pricing and health-technology-assessment reviews temper list-price inflation, compelling manufacturers to negotiate confidential discounts that still preserve attractive margins for the solid tumor therapeutics market.

Asia-Pacific is the fastest-growing region at 9.54% CAGR through 2030 as China transforms into a discovery and commercialization hub, having approved 228 new medicines in 2024, 37% of which were antineoplastics. Domestic innovators secured 71% of new reimbursement-list inclusions, while Japan and India captured trial investments due to efficient start-up timelines and treatment-naive populations. Middle East & Africa and South America offer long-run upside, yet limited infrastructure and budget caps constrain near-term growth. Collectively, geographical diversification is vital for companies seeking balanced exposure within the solid tumor therapeutics market.

List of Companies Covered in this Report:

Abbott Laboratories / Amgen / AstraZeneca / Baxter / Boehringer Ingelheim / Bristol-Myers Squibb / Eli Lilly and Company / Roche / GlaxoSmithKline / Merck / Pfizer / Novartis / Seagen / Daiichi Sankyo / Johnson & Johnson / Sanofi / Takeda Pharmaceuticals / Bayer / Eisai / BeiGene / Regeneron / Exelixis / Innovent /

Additional Benefits:

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

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6.3.18 Bayer

6.3.19 Eisai

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6.3.21 Regeneron

6.3.22 Exelixis

6.3.23 Innovent

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