

Antibody Drug Conjugates Size, Share, Industry, Forecast and outlook (2024-2031) Market -

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ANTIBODY-DRUG CONJUGATES

- The “Antibody-Drug Conjugates (ADCs) – Pipeline Insights, 2018? report covers an in-depth analysis of antibody-drug conjugate drug molecules currently undergoing clinical studies.
- It provides a deep understanding of potential antibody-drug conjugate drug molecules across all drug development phases.
- The report assesses the pipeline antibody-drug conjugate molecules by stage of development (discovery, pre-clinical, IND, Phase I, Phase II, Phase III and pre-registration), by recruitment status (recruiting, active not recruiting, completed, NA, and unknown), therapy type (monotherapy, combination products) molecule type (monoclonal antibodies, linker, drug/toxin, and others) and route of administration (oral, IV, and others). The report provides a snapshot of discontinued and dormant drugs too.
- Also, the report includes critical insights on other development activities, including (but not limited to) – licensing, collaborations, acquisitions, funding, patent, and regulatory designations.
- The report covers company profiles key players in developing antibody-drug conjugate drug molecules. The company profile includes essential info on overview, financial highlights, product portfolio, business strategies, and key recent developments.

MARKET OUTLOOK

- Antibody Drug Conjugates (ADCs) formed by monoclonal antibodies with linkers and chemotherapy drug has better tumor targeting effects with less toxic side effects compared to traditionally developed chemotherapy drugs.
- As the number of naked antibodies as single agents showing clinical efficacy remains limited, these biological antibodies are playing an essential role in cancer treatment.
- The only way to enhance the therapeutic potential of antibodies is to conjugate them to small drug molecules.

- This combination is targeted to bring together the beneficial effects of highly potent drugs on the one side and selective binders of the specific tumor antigens on the other hand.
- Additionally, producing an ADC is more complicated, which needs a thoughtful combination of antibody, linker, and drugs used for targeted and a defined cancer treatment condition.

WHAT'S TRENDING IN THIS MARKET?

- Improvement of the ADC technology guides the design of improved drug compounds that are now in clinical trials, and the results gathered from first-generation antibody-drug conjugate (ADC). Brentuximab vedotin (Adcetris) is an anti-CD30 antibody conjugated to a microtubule inhibitor is the only marketed ADC today available for the treatment of Hodgkin's lymphoma and anaplastic large cell lymphomas.
- Several ADCs are currently undergoing clinical trials that are showing beneficial effects in both hematological malignancies and stable tumor conditions.
- Among the ADC, T-DM1 (trastuzumab emtansine), which comprised of trastuzumab conjugated to DM1, with a non-cleavable linker, demonstrated promising results in phase III clinical trial used for the treatment of HER2-positive refractory/relapsed metastatic breast cancer.
- Other drug compounds, including CMC-544, CDX-011, SAR3419, PSMA-ADC, IMGN901 and BT-062 are currently in clinical trials that target different antigens and having different linker and drugs molecules. This will contribute to the learning curve of ADC, as like the discontinued ADC.
- In total, 37 active clinical trials involving ADCs are initiated currently, and a significant progression of the pipeline is only observed in Phase 1, and two clinical trials with an almost equal number of studies and only limited studies are in phase 3 trails that will add growth to the market.
- Recently, two ADCs entered the clinic: Genmab's MMAE-conjugated HuMax-AXL-ADC that is in Phase 1/2 development used for five different types of solid tumors (ovary, endometrium, cervix, thyroid, and lung). Along with them, a PBD-conjugated ADC for multiple myeloma (SGN-CD352A), was added to the clinical pipeline. Recently, inotuzumab ozogamicin gained EMA approval for the treatment of relapsed/refractory b-cell precursor acute lymphocytic leukemia.

MARKET GROWTH ANALYSIS

- The high cost of production, lack of experienced manufacturers and regulatory challenges are slowing down the growth of the Global ADCs Market.
- The linking of drug compounds to a careful selection of the targets, a better insight on ADCs mechanism of action, the controlling and knowing of ADC off-target toxicities, and also the range of required clinical settings like patient selection, dosing regimen of the molecules that bring highest clinical benefit are the current challenges that will add to

the improvement of the drug therapeutic index.

- The primary drivers for the global antibody-drug conjugates market include increasing incidences of cancer types, advances in drug linking technologies, efforts regarding patent protection and growing demand to the antibody drug conjugates.

THE SCOPE OF THE REPORT

- Provides comprehensive understanding of active antibody-drug conjugate pipeline drug candidates
- Includes complete pipeline product coverage with segregation by various stages of the pipeline from discovery to late-stage.
- Offers pipeline assessment by monotherapy, combination therapy products, and route of administration
- Provides a comparative analysis of key marketed products and pipeline drug candidates
- Includes detailed pipeline drug profiles covering – product description, chemical information, molecule type, mechanism of action, route of administration, product safety and efficacy, developers and collaborators
- Provides essential info on players involved in clinical R&D of antibody-drug conjugate drug candidates.
- Provides in-depth coverage of crucial news related to antibody-drug conjugate drug molecules, including significant mergers and acquisitions and product development updates such as clinical trial progression updates and regulatory updates.

WHY SHOULD I PURCHASE THIS REPORT?

- To obtain an understanding of the current antibody-drug conjugate pipeline landscape.
- To determine drug development dynamics and leverage it for innovation of novel or repositioned drugs.
- To valuably optimize R&D activities in-line with robust therapeutic drug markets.
- To devise strategic initiatives by identifying prospective partners with progressing projects.

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