

# Toll Like Receptor 4 (hToll or CD284 or TLR4) - Drugs In Development, 2021

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## Abstracts

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### SUMMARY

Toll Like Receptor 4 (hToll or CD284 or TLR4) – Toll-like receptor 4 is a protein encoded by the TLR4 gene. This receptor is mostly expressed in placenta, and in myelomonocytic subpopulation of the leukocytes. It is involved in LPS-independent inflammatory responses triggered by free fatty acids, such as palmitate, and Ni<sup>2+</sup>. Its responses are triggered by Ni<sup>2+</sup> require non-conserved. In complex with TLR6 promotes sterile inflammation in monocytes in response to oxidized low-density lipoprotein (oxLDL).

Toll Like Receptor 4 (hToll or CD284 or TLR4) pipeline Target constitutes close to 45 molecules. Out of which approximately 36 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 4, 7, 3, 17 and 5 respectively. Similarly, the universities portfolio in Preclinical and Discovery stages comprises 7 and 2 molecules, respectively. Report covers products from therapy areas Infectious Disease, Gastrointestinal, Oncology, Central Nervous System, Respiratory, Immunology, Cardiovascular, Genito Urinary System And Sex Hormones, Undisclosed, Dermatology, Ear Nose Throat Disorders, Musculoskeletal Disorders and Other Diseases which include indications Coronavirus Disease 2019 (COVID-19), Non-Alcoholic Steatohepatitis (NASH), Autoimmune Hepatitis, Inflammation, Non Alcoholic Fatty Liver Disease (NAFLD), Bacterial Sepsis, Chronic Liver Disease, Coronavirus Disease 2019 (COVID-19) Associated Acute Respiratory Distress Syndrome, Dengue Fever, Influenza A Virus, H1N1 Subtype Infections, Kidney Fibrosis, Liver Fibrosis, Non

Muscle Invasive Bladder Cancer (NMIBC) (Superficial Bladder Cancer), Pain, Respiratory Syncytial Virus (RSV) Infections, Sepsis, Solid Tumor, Acute Ischemic Stroke, Acute Liver Failure, Acute Lung Injury, Allergic Asthma, Allergic Rhinitis, Alzheimer's Disease, Atherosclerosis, Breast Cancer, Bronchopulmonary Dysplasia, Chronic Asthma, Chronic Obstructive Pulmonary Disease (COPD), Complex Regional Pain Syndrome (Sympathetic Reflex Dystrophy/Reflex Sympathetic Dystrophy), Contact Dermatitis, Coronavirus Disease 2019 (COVID-19) Pneumonia, Crohn's Disease (Regional Enteritis), Cyst, Drug Addiction, Endotoxemia, Escherichia coli Infections, Follicular Lymphoma, Hearing Disorders, Hepatic Injury, Human Papillomavirus (HPV) Associated Cancer, Inflammatory Bowel Disease, Influenza A Virus, H3N2 Subtype Infections, Influenza A Virus, H5N1 Subtype Infections, Influenzavirus B Infections, Intracerebral Hemorrhage, Low Back Pain, Lung Cancer, Marginal Zone B-cell Lymphoma, Melanoma, Merkel Cell Carcinoma, Migraine, Multiple Sclerosis, Myocardial Infarction, Nasal Congestion, Necrotizing Enterocolitis, Osteoarthritis, Ovarian Cancer, Pancreatic Cancer, Peritonitis, Post-Operative Pain, Prostate Cancer, Pseudomonas aeruginosa Infections, Pulmonary Edema, Pulmonary Inflammation, Rheumatoid Arthritis, Rhinovirus Infections, Schistosomiasis, Soft Tissue Sarcoma, Unspecified, Unspecified B-Cell Lymphomas, Unspecified Cancer, Unspecified Rare Disease and Viral Respiratory Tract Infection.

The latest report Toll Like Receptor 4 – Drugs In Development, 2021, outlays comprehensive information on the Toll Like Receptor 4 (hToll or CD284 or TLR4) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type. It also reviews key players involved in Toll Like Receptor 4 (hToll or CD284 or TLR4) targeted therapeutics development with respective active and dormant or discontinued projects.

The report is built using data and information sourced from proprietary databases, company/university websites, clinical trial registries, conferences, SEC filings, investor presentations and featured press releases from company/university sites and industry-specific third party sources.

**Note:** Certain content/sections in the pipeline guide may be removed or altered based on the availability and relevance of data.

## **SCOPE**

The report provides a snapshot of the global therapeutic landscape for Toll Like Receptor 4 (hToll or CD284 or TLR4)

The report reviews Toll Like Receptor 4 (hToll or CD284 or TLR4) targeted therapeutics under development by companies and universities/research institutes based on information derived from company and industry-specific sources

The report covers pipeline products based on various stages of development ranging from pre-registration till discovery and undisclosed stages

The report features descriptive drug profiles for the pipeline products which includes, product description, descriptive MoA, R&D brief, licensing and collaboration details & other developmental activities

The report reviews key players involved in Toll Like Receptor 4 (hToll or CD284 or TLR4) targeted therapeutics and enlists all their major and minor projects

The report assesses Toll Like Receptor 4 (hToll or CD284 or TLR4) targeted therapeutics based on mechanism of action (MoA), route of administration (RoA) and molecule type

The report summarizes all the dormant and discontinued pipeline projects

The report reviews latest news and deals related to Toll Like Receptor 4 (hToll or CD284 or TLR4) targeted therapeutics

## **REASONS TO BUY**

Gain strategically significant competitor information, analysis, and insights to formulate effective R&D strategies

Identify emerging players with potentially strong product portfolio and create effective counter-strategies to gain competitive advantage

Identify and understand the targeted therapy areas and indications for P2X Purinoceptor 3 (P2RX3) Identify the use of drugs for target identification and drug repurposing

Identify potential new clients or partners in the target demographic

Develop strategic initiatives by understanding the focus areas of leading companies

Plan mergers and acquisitions effectively by identifying key players and it's most promising pipeline therapeutics

Devise corrective measures for pipeline projects by understanding P2X Purinoceptor 3 (P2RX3) development landscape

Develop and design in-licensing and out-licensing strategies by identifying prospective partners with the most attractive projects to enhance and expand business potential and scope

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