

# Neuronal Acetylcholine Receptor Subunit Alpha 4 - Pipeline Review, H2 2020

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## Abstracts

Neuronal Acetylcholine Receptor Subunit Alpha 4 - Pipeline Review, H2 2020

### SUMMARY

Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) - Neuronal acetylcholine receptor subunit alpha 4 or nAChRa4 is a protein encoded by the CHRNA4 gene. It plays a role in fast signal transmission at synapses. Receptors after binding of acetylcholine extensive change conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane permeable to sodium ions.

Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) pipeline Target constitutes close to 10 molecules. Out of which approximately 9 molecules are developed by companies and remaining by the universities/institutes. The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 1, 1, 3, 2 and 1 respectively. Similarly, the universities portfolio in Discovery stages comprises 1 molecules, respectively. Report covers products from therapy areas Central Nervous System which include indications Smoking Cessation, Alcohol Addiction, Psychiatric Disorders, Major Depressive Disorder, Neurology and Nicotine Addiction.

The latest report Neuronal Acetylcholine Receptor Subunit Alpha 4 - Pipeline Review, H2 2020, outlays comprehensive information on the Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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 Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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 Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4)

The report reviews Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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 Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) targeted therapeutics and enlists all their major and minor projects

The report assesses Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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 Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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 Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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 Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) 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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Therapeutics Development

Assuage Pharmaceuticals Inc

H. Lundbeck AS

Jeil Pharmaceutical Co Ltd

Kyung Dong Co Ltd

Sobrero Pharma AB

Sopharma AD

Suven Life Sciences Ltd

Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) - Drug Profiles

(varenicline tartrate + bupropion hydrochloride) SR - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

AP-202 - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

cytisinicline - Drug Profile

Product Description

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Small Molecule to Antagonize CHRN2 and CHRNA4 for Psychiatric Disorders - Drug Profile

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varenicline tartrate - Drug Profile

Product Description

Mechanism Of Action

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varenicline tartrate - Drug Profile

Product Description

Mechanism Of Action

R&D Progress

Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) - Dormant Products

Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) - Discontinued Products

## Neuronal Acetylcholine Receptor Subunit Alpha 4 (CHRNA4) - Product Development Milestones

### Featured News & Press Releases

Oct 07, 2020: Achieve Life Sciences announces start of phase 3 ORCA-2 clinical trial evaluating cytisinicline for smoking cessation

Sep 10, 2020: Achieve Life Sciences announces presentation of Cytisinicline data at the 20th Annual Society for Research on Nicotine & Tobacco Europe (SRNT-E) virtual conference

Jul 31, 2020: Achieve announces Patent granted in the U.S. for novel analogs of Cytisinicline for use in CNS and Addiction Indications

Jun 29, 2020: Achieve announces successful results from the investigator-initiated RAUORA head-to-head non-inferiority clinical trial comparing Cytisinicline and Chantix (varenicline) as a treatment to quit smoking

Dec 09, 2019: Achieve Life Sciences announces completion of meeting with the U.S. Food & Drug Administration (FDA) on Cytisinicline smoking cessation phase 3 clinical development program

Oct 24, 2019: Achieve Life Sciences announces presentation of Cytisinicline data at Society for Research on Nicotine & Tobacco Oceania (SRNT-O) Inaugural Conference

Sep 30, 2019: Achieve Life Sciences announces completion of maximum tolerated dose study

Sep 13, 2019: Achieve Life Sciences announces final phase 2b ORCA-1 trial data presented at Society for Research on Nicotine & Tobacco Europe (SRNT-E) 19th Annual Conference

Sep 05, 2019: Achieve Life Sciences to host investor day on September 20th including roundtable discussion with smoking cessation medical experts and final data from the phase 2b ORCA-1 trial

Jul 23, 2019: Achieve Life Sciences extends collaboration with the National Institutes of Health to advance the development of Cytisinicline for Smoking Cessation

Jun 21, 2019: Achieve Life Sciences announces Phase 2b ORCA-1 trial data accepted for oral presentation at Society for Research on Nicotine & Tobacco Europe (SRNT-E) 19th Annual Conference

Jun 11, 2019: Achieve Life Sciences announces statistically significant improvement in quit rates for simplified cytisinicline dosing schedule in phase 2b ORCA-1 dose-selection trial

May 30, 2019: Achieve announces patent granted in the U.S. for novel formulation of Cytisinicline

Apr 24, 2019: Achieve Life Sciences announces last subject, last visit completed in phase 2b ORCA-1 trial of Cytisinicline for Smoking Cessation

Apr 02, 2019: Achieve Life Sciences announces successful completion of the second

and final DSMC review of phase 2b ORCA-1 trial of Cytisinicline for Smoking Cessation

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Number of Products by Stage and Route of Administration, H2 2020

Number of Products by Stage and Molecule Type, H2 2020

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