

# Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) - Pipeline Review, H1 2018

https://marketpublishers.com/r/T96F27A5E70EN.html

Date: February 2018

Pages: 113

Price: US\$ 3,500.00 (Single User License)

ID: T96F27A5E70EN

# **Abstracts**

Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) - Pipeline Review, H1 2018

#### **SUMMARY**

Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) pipeline Target constitutes close to 37 molecules. Out of which approximately 29 molecules are developed by companies and remaining by the universities/institutes.

The latest report Transient Receptor Potential Cation Channel Subfamily V Member 1 - Pipeline Review, H1 2018, outlays comprehensive information on the Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) targeted therapeutics, complete with analysis by indications, stage of development, mechanism of action (MoA), route of administration (RoA) and molecule type.

Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) - The transient receptor potential cation channel subfamily V member 1 (TrpV1) is a protein encoded by the TRPV1 gene. It belongs to a sub-family of the transient receptor potential protein group. It mediates proton influx and may be involved in intracellular acidosis in nociceptive neurons. It is involved in mediation of inflammatory pain and hyperalgesia. It sensitized by a



phosphatidylinositol second messenger system activated by receptor tyrosine kinases, which involves PKC isozymes and PCL. It is activated by endogenous compounds, including 12-hydroperoxytetraenoic acid and bradykinin.

It acts as ionotropic endocannabinoid receptor with central neuromodulatory effects. The molecules developed by companies in Phase III, Phase II, Phase I, Preclinical and Discovery stages are 3, 9, 6, 10 and 1 respectively. Similarly, the universities portfolio in Phase II, Preclinical and Discovery stages comprises 1, 6 and 1 molecules, respectively. Report covers products from therapy areas Central Nervous System, Musculoskeletal Disorders, Cardiovascular, Metabolic Disorders, Dermatology, Gastrointestinal, Genito Urinary System And Sex Hormones, Ophthalmology, Immunology, Oncology and Respiratory which include indications Osteoarthritis Pain, Cancer Pain, Inflammatory Pain, Muscle Spasm, Muscle Spasticity, Neuro Muscular Disorders, Neuropathic Pain, Pain, Postherpetic Neuralgia, Acute Pain, Chronic Pain, Congestive Heart Failure (Heart Failure), Diabetic Peripheral Neuropathy, Pruritus, Abdominal Pain, Alzheimer's Disease, Atherosclerosis, Atopic Dermatitis, Autoimmune Hepatitis, Breast Cancer, Cardiomegaly, Cluster Headache Syndrome, Cough, Crohn's Disease (Regional Enteritis), Demyelinating Diseases, Inflammation, Insomnia, Keratoconjunctivitis sicca (Dry Eye), Morton Metatarsalgia, Ocular Hypertension, Ocular Pain, Open-Angle Glaucoma, Overactive Bladder, Post-Operative Pain, Prostate Cancer, Radiculopathy, Renal Failure, Rosacea, Seborrhea, Squamous Cell Carcinoma, Type 2 Diabetes and Visceral Pain.

Furthermore, this report also reviews key players involved in Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) targeted therapeutics development with respective active and dormant or discontinued projects. Driven by 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 Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1)



The report reviews Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) 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 Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) targeted therapeutics and enlists all their major and minor projects

The report assesses Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) 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 Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) 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 Transient



Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1)

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 Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) 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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Amorepacific Corp

**BCN Peptides SA** 

Centrexion Therapeutics Corp

Daewoong Pharmaceutical Co Ltd

DoNatur GmbH

Flex Pharma Inc

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Kyowa Hakko Kirin Co Ltd

Medifron DBT Co Ltd

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**R&D Progress** 

CA-008 - Drug Profile

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R&D Progress



FLX-787 - Drug Profile

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Mechanism Of Action

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FLX-788 - Drug Profile

**Product Description** 

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FLX-797 - Drug Profile

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FLX-798 - Drug Profile

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Jan 30, 2018: Revive Therapeutics Advances Research Program of Cannabinoid-Based Therapies Targeting Liver Diseases

Jan 16, 2018: Centrexion Therapeutics Announces Fast Track Designation Granted by FDA to CNTX-4975 for Treatment of Knee Osteoarthritis Pain

Jan 02, 2018: Centrexion Therapeutics Launching Phase 3 Program for CNTX-4975 in Knee Osteoarthritis Pain in 2018

Dec 07, 2017: Concentric Analgesics Receives FDA Fast Track Designation for CA-008 for Post-Surgical Pain

Nov 28, 2017: Enrollment Completed in Flex Pharmas Phase II Exploratory Spasticity Study in MS

Nov 06, 2017: Flex Pharma Reports Positive Topline Data from Exploratory Phase 2 Trial of FLX-787 in ALS

Nov 02, 2017: Concentric Analgesics Launches CA-008 Clinical Development Program in Post-Surgical Pain

Oct 30, 2017: Centrexion Therapeutics Announces Multiple Data Presentations on CNTX-4975 at the American College of Rheumatology Annual Meeting 2017

Oct 30, 2017: NEO6860 Phase II Data to be Presented at the American College of Rheumatology's Annual Meeting

Oct 19, 2017: The World Health Organization Selects Tivanisiran as the International Nonproprietary Name for SYL1001

Oct 16, 2017: Flex Pharma Initiates CMT Phase 2 Trial with FLX-787 in US

Sep 27, 2017: Revive Therapeutics Applies to FDA for Orphan Drug Designation for Treatment of Autoimmune Hepatitis

Sep 26, 2017: Centrexion Therapeutics to Present Phase 2b data of Osteoarthritis Drug Candidate CNTX-4975 at the 11th Annual Pain and Migraine Therapeutics Summit Aug 29, 2017: Centrexion Therapeutics to Present 6-Month Efficacy Data on CNTX-4975 for the Treatment of Chronic Pain Associated with Knee Osteoarthritis at PAINWeek 2017

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Amorepacific Corp

**BCN Peptides SA** 

Centrexion Therapeutics Corp

Daewoong Pharmaceutical Co Ltd

DoNatur GmbH

Flex Pharma Inc

Grunenthal GmbH

Kyowa Hakko Kirin Co Ltd

Medifron DBT Co Ltd

Neurim Pharmaceuticals Ltd.

Pila Pharma AB

Sylentis SAU

Toray Industries Inc

Vitality Biopharma Inc



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