

# Transient Receptor Potential Cation Channel Subfamily V Member 1 (Capsaicin Receptor or Vanilloid Receptor 1 or TRPV1) - Pipeline Review, H2 2018

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# **Abstracts**

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### SUMMARY

According to the recently published report 'Transient Receptor Potential Cation Channel Subfamily V Member 1 - Pipeline Review, H2 2018'; 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.

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 report 'Transient Receptor Potential Cation Channel Subfamily V Member 1 - Pipeline Review, H2 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; that are being developed by Companies/Universities.

It 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.

Currently, The molecules developed by companies in Pre-Registration, Phase III, Phase II, Phase I, Preclinical and Discovery stages are 1, 3, 8, 5, 10 and 2 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, Cardiovascular, Dermatology, Metabolic Disorders, Musculoskeletal Disorders, Gastrointestinal, Immunology, Ophthalmology, Genetic Disorders, Genito Urinary System And Sex Hormones, Oncology and Respiratory which include indications Osteoarthritis Pain, Pain, Cancer Pain, Neuropathic Pain (Neuralgia), Muscle Spasm, Muscle Spasticity, Neuro Muscular Disorders, Postherpetic Neuralgia, Pruritus, Congestive Heart Failure (Heart Failure), Diabetic Peripheral Neuropathy, Inflammatory Pain, Alzheimer's Disease, Atherosclerosis, Atopic Dermatitis (Atopic Eczema), Autoimmune Hepatitis, Breast Cancer, Cardiomegaly, Cardiovascular Disease, Cluster Headache Syndrome (Cluster Headache), Cough, Crohn's Disease (Regional Enteritis), Demyelinating Diseases, Dravet Syndrome (Severe Myoclonic Epilepsy of Infancy), Infantile Spasm (West Syndrome), Inflammation, Insomnia, Keratoconjunctivitis Sicca (Dry Eye), Lennox-Gastaut Syndrome, Morton Metatarsalgia, Ocular Hypertension, Ocular Pain (Eye Pain), Open-Angle Glaucoma, Post-Operative Pain, Prostate Cancer, Psoriasis, Radiculopathy, Renal Failure, Rosacea, Seborrhea, Squamous Cell Carcinoma, Tuberous Sclerosis, Type 2 Diabetes and Visceral Pain.

**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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### **COMPANIES MENTIONED**

Amgen Inc

Amorepacific Corp

Astellas Pharma Inc

**BCN Peptides SA** 

**Centrexion Therapeutics Corp** 

DoNatur GmbH

Flex Pharma Inc

GrowBLOX Sciences Inc.

Grunenthal GmbH

**GW Pharmaceuticals Plc** 

Medifron DBT Co Ltd

Neurim Pharmaceuticals Ltd

Oblique Therapeutics AB

Pila Pharma AB

Sorrento Therapeutics Inc

Sylentis SAU

Vitality Biopharma Inc



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