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☐ (phenyl and (butanamide or pentanamide)) and potassium channel

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AND

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#	Title	Publication number	1st app. date	Applicant/Assignee	
1.	Potassium channel inhibitors	US8278317	2006-07-18	MERCK SHARP & DOHME	100 %
2.	Heterocycles as potassium channel modulators	US8058274	2008-08-18	ICAGEN AIKAJEN	98 %
3.	Derivatives of 4-(n-azacycloalkyl) anilides as potassium channel modulators	US8293911	2007-08-22	ATON PHARMA CORIA LABORATORIES DOW PHARMACEUTICAL SCIENCES XENON PHARMACEUTICALS 1ST ORDER PHARMACEUTICALS CHEN HUANMING CHENEY IAN WAYNE	98 %
4.	Potassium channel inhibitors	US7879839	2005-07-27	MERCK SHARP & DOHME	96 %
5.	Amine derivatives as potassium channel blockers	US9493451	2012-05-16	BIONOMICS MERCK	96 %
6.	Fluorinated 2-amino-4-(substituted amino)phenyl carbamate derivatives	US11858900	2017-06-09	OCUTERRA THERAPEUTICS SAJFLUOR LAJF SAJENSIZ INK SCIFLUOR LIFE SCIENCES	96 %
7.	Thieno-pyrimidines, useful as potassium channel inhibitors	US9290511	2012-11-14	XENTION ZENSHEN	94 %
8.	Potassium channel inhibitors	US11098018	2018-08-13	ACESION PHARMA ACACION PHARMACEUTICAL ASHESION PHARMA	93 %
9.	Substituted (dihydro)benzoxazine and (dihydro)benzothiazine compounds	US6620809	1999-12-06	LES LABORATOIRES SERVIER ADIR LAB LES LABORATOIRES SERVIER, FR	93 %
10.	Heterocycles as potassium channel modulators	US8431608	2010-02-16	ICAGEN	93 %
11.	Derivatives of 1,3-diamino benzene as potassium channel modulators	US20080045534	2007-08-16	ATON PHARMA CORIA LABORATORIES DOW PHARMACEUTICAL SCIENCES VALEANT PHARMACEUTICALS VALEANT PHARMACEUTICALS INTERNATIONAL	93 %
12.	Phthalazines as potassium ion channel inhibitors	US9242966	2014-03-07	BRISTOL MYERS SQUIBB	93 %
13.	Potassium channel modulators	US8609669	2011-11-02	ABBVIE ABBOTT LABORATORIES	92 %
14.	Derivatives of 5-amino-4,6-disubstituted indole and 5-amino-4,6-disubstituted indoline as potassium channel modulators	US7786146	2008-08-11	VALEANT PHARMACEUTICALS INTERNATIONAL ATON PHARMA BAREANTO PHARMACEUTICALS INTERNATIONAL BAUSCH HEALTH CORIA LABORATORIES DOW PHARMACEUTICAL SCIENCES VALEANT FARMAS JUTIKALS INTERNEHSHNL	92 %
15.	Tetracyclic indoles as potassium channel modulators	US7662831	2007-07-26	WYETH	92 %
16.	Potassium channel modulators	US8629143	2010-11-18	ABBVIE ABBOTT LABORATORIES	91 %
17.	Potassium channel inhibitors	US11274092	2017-02-23	ACESION PHARMA ACACION PHARMACEUTICAL ASHESION PHARMA	91 %
18.	Benzoimidazol-1,2-yl amides as Kv7 channel activators	US9481653	2015-09-14	BIOHAVEN THERAPEUTICS KNOPP BIOSCIENCES	91 %
19.	Sutstituted tetrahydropyrrolopyrazine compounds and the use thereof in the treatment and/or inhibition of pain	US7625900	2006-10-17	GRUENENTHAL	90 %
20.	Nitric oxide enhancing diuretic compounds, compositions and methods of use	US7396829	2006-02-24	NICOX NITROMED NITRO MEDICAL RETIDDO	90 %
21.	Imidazo(4,5-B) pyridin-2-yl amides as Kv7 channel activators	US9650376	2014-03-17	BIOHAVEN THERAPEUTICS KNOPP BIOSCIENCES	89 %
22.	Pyrimidones for Treatment of Potassium Channel Related Diseases	US20130184294	2011-09-07	PFIZER	89 %
23.	1,4 diamino bicyclic retigabine analogues as potassium channel modulators	US8030518	2007-11-28	VALEANT PHARMACEUTICALS INTERNATIONAL ATON PHARMA CORIA LABORATORIES DOW PHARMACEUTICAL SCIENCES VALEANT PHARMACEUTICALS	89 %
24.	Derivatives of 4-(n-azacycloalkyl) anilides as potassium channel modulators	AU2013211531	2013-08-02	VALEANT PHARMACEUTICALS INTERNATIONAL	89 %
25.	Amide Compound	US20090048258	2006-01-31	TAKEDA PHARMACEUTICAL TAKEDA CHEMICAL INDUSTRIES	88 %
26.	Aminoindazole derivatives as medicaments and pharmaceutical compositions including them	US7019011	2002-12-12	AVENTIS PHARMA	88 %
27.	Phenyl propanamide derivative, and manufacturing method and pharmaceutical application thereof	US20190144499	2017-06-06	JIANGSU HENGRUI PHARMACEUTICALS SHANGHAI HENGRUI PHARMACEUTICAL JIANGSU HENGRUI MEDICINE TSZJANSU KHEHNZHUJ MEDITSIN KO	88 %
28.	Use of kcnc potassium channel openers for reducing symptoms of or treating disorders or conditions wherein the dopaminergic system is disrupted	US20100256145	2008-07-31	LUNDBECK	88 %
29.	Potassium channel modulators	US8859549	2012-05-08	ABBVIE ABBOTT LABORATORIES	88 %
30.	Diphenylazetidinones, process for their preparation, medicaments comprising these compounds and their use	US6992067	2000-12-21	SANOFI AVENTIS AVENTIS PHARMA HOECHST MARION ROUSSEL	88 %
31.	Hydantoin modulators of kv3 channels	US20200377485	2015-12-16	AUTIFONY THERAPEUTICS	88 %
32.	Sulfonamide-substituted chromans, processes for their preparation, their use as a medicament or diagnostic, and pharmaceutical preparations comprising them	US5955607	1997-09-26	SANOFI AVENTIS AVENTIS PHARMA HOECHST MARION ROUSSEL MARC DE LAUSANNE	88 %
33.	Substituted aniline derivatives	US20060167087	2004-03-08	LUNDBECK	87 %
34.	Benzofurans as potassium ion channel modulators	US7601856	2007-07-26	WYETH	87 %
35.	Transmission line comprised of a center conductor on a printed circuit board disposed within a groove	US8228139	2009-03-18	AURIMMED PHARMA INTEL	87 %
36.	Mineralocorticoid receptor antagonists	US9511052	2013-07-11	MERCK SHARP & DOHME CODEXIS	86 %
37.	Mineralocorticoid receptor antagonists	US8933113	2012-01-19	MERCK SHARP & DOHME CODEXIS	86 %
38.	Use of kcnc-openers for treating or reducing the symptoms of schizophrenia	US20090118285	2007-02-02	LUNDBECK	86 %
39.	Nitric oxide enhancing angiotensin II antagonist compounds, compositions and methods of use	US20070032533	2006-08-07	NICOX NITROMED	85 %
40.	Pyrimidine A2b selective antagonist compounds, their synthesis and use	US6916804	2002-12-20	OSI PHARMACEUTICALS	85 %

41.	Hydantoin derivatives as KV3 inhibitors	US9193704	2011-06-07	» AUTIFONY THERAPEUTICS	AUTIFONY	GLAXOSMITHKLINE	
42.	Imidazolidinedione derivatives	US8722695	2010-12-06	» AUTIFONY THERAPEUTICS	AUTIFONY	AUTIFONY THERAPEUTICS	GLAXO GROUP GLAXOSMITHKLINE
43.	Agent for treating diabetes, containing phenyl 5-thioglucoside compound as active ingredient	JP2009107948	2007-10-26	» TAISHO PHARMACEUTICAL		85 %	
44.	Fused ring compound and use thereof	US20100190747	2010-01-26	» TAKEDA PHARMACEUTICAL	TAKEDA CHEMICAL INDUSTRIES	85 %	
45.	Bicyclic lactams and methods of use thereof	US10988459	2016-07-01	» HOFFMANN LA ROCHE	GENENTECH	85 %	
46.	Substituted 4,5,6,7-tetrahydrohienopyridines as KCNQ2/3 Modulators	US20100105722	2009-10-22	» GRUENENTHAL		85 %	
47.	Neovascularization inhibitors	US20030134884	2001-03-27	» TAKEDA CHEMICAL INDUSTRIES	» TAKEDA PHARMACEUTICAL	85 %	
48.	Diphenylazetidinone derivatives, process for their preparation, medicaments comprising these compounds and their use	US6498156	2000-12-11	» AVENTIS PHARMA	» SANOFI AVENTIS	HOECHST MARION ROUSSEL	84 %
49.	N-(5-morpholinylthiazol-2-yl)formamide compound and preparation method and use thereof	WO2018/148863	2017-02-14	» EAST CHINA UNIVERSITY OF SCIENCE & TECHNOLOGY	» SHANGHAI INSTITUTE OF MATERIA MEDICA - CHINESE ACADEMY OF SCIENCES	» SHANGHAI INSTITUTE OF MATERIA MEDICA - CHINESE ACADEMY OF SCIENCES	84 %
50.	Substituted naphthyridine derivatives and their medical use	US20120115900	2010-04-21	» NEUROSEARCH		84 %	
51.	Pharmaceutical combination comprising a T-type calcium channel blocker	US11213517	2017-12-15	» IDORSIA PHARMACEUTICALS	IDORSIA PHARMACEUTICALS	IDORSIA PHARMACEUTICALS	84 %
52.	7H-PYRROLO[2,3-H]QUINAZOLINE COMPOUNDS, THEIR USE AS mTOR KINASE AND PI3 KINASE INHIBITORS, AND THEIR SYNTHESIS	US20090227575	2009-03-04	» WYETH		84 %	
53.	Compositions, synthesis, and methods of utilizing arylpiperazine derivatives	US8188076	2010-02-26	» REVIVA PHARMACEUTICALS	RIVAJVA FARMAS JUTIKALS INK	84 %	
54.	Compounds for the treatment of male erectile dysfunction	US7132542	2004-10-13	» BRISTOL MYERS SQUIBB		84 %	
55.	Melanin-concentrating hormone antagonist	US7229986	2001-05-15	» TAKEDA CHEMICAL INDUSTRIES	» TAKEDA PHARMACEUTICAL	84 %	
56.	Isoquinoline derivatives useful as inhibitors of diacylglyceride O-acyltransferase 2	US9828369	2015-08-31	» MERCK SHARP & DOHME		83 %	
57.	Glucopyranosyl derivative and use thereof	US11084842	2019-01-21	» SUNSHINE LAKE PHARMA		83 %	
58.	Macrocyclic factor VIIa inhibitors useful as anticoagulants	US7592331	2006-12-13	» BRISTOL MYERS SQUIBB		83 %	
59.	Acid-group-substituted diphenylazetidinones, process for their preparation, medicaments comprising these compounds, and their use	US7176193	2002-06-19	» AVENTIS PHARMA	» SANOFI AVENTIS	82 %	
60.	Amine derivative	US7601868	2004-02-12	» TAKEDA PHARMACEUTICAL	TAKEDA CHEMICAL INDUSTRIES	82 %	
61.	Treatment of incontinence	WO2006/090275	2006-02-14	» PFIZER		82 %	
62.	Compositions, synthesis, and methods of using piperazine based antipsychotic agents	US8207163	2009-05-27	» REVIVA PHARMACEUTICALS	REVIVA PHARMACEUTICALS INC	82 %	
63.	Compounds	US9833452	2016-07-11	» AUTIFONY THERAPEUTICS		82 %	
64.	P2X7 antagonists for treating neuropathic pain	US20050171195	2004-11-03	» ABBOTT LABORATORIES		82 %	
65.	Quinazoline derivatives	US7625908	2003-11-13	» ASTRAZENECA		82 %	
66.	Conformationally constrained, fully synthetic macrocyclic compounds	US9695191	2009-08-05	» POLYPHOR		82 %	
67.	Amine derivatives	EP2524912	2011-05-16	» BIONOMICS	» MERCK	82 %	
68.	Novel compounds advantageous in the treatment of central nervous system diseases and disorders	US20210130285	2016-10-07	» AURIMMED PHARMA		81 %	
69.	Secondary amino anilinic piperidines as MCH1 antagonists and uses thereof	US7473698	2003-07-03	» LUNDBECK	JOHN WETZEL	SYNAPTIC PHARMACEUTICAL	81 %
70.	Method of treating kcnq related disorders	WO2011/085351	2011-01-11	» JOHNS HOPKINS UNIVERSITY		81 %	
71.	Chemokine receptor modulators	US8338448	2009-03-30	» ALTIRIS THERAPEUTICS	ARUTEIRISU SERAPIYUTEIKUSU	81 %	
72.	Substituted pyridine derivatives	US7812020	2006-03-02	» LUNDBECK		81 %	
73.	Sulfonamide-substituted chromans, processes for their preparation, their use as a medicament or diagnostic, and pharmaceutical preparations comprising them	US6177449	1997-09-26	» SANOFI AVENTIS	AVENTIS PHARMA	HOECHST MARION ROUSSEL	» HOESCHT MARION ROUSSEL DEUTSCH MARC DE LAUSANNE
74.	Condensed Imidazole Compound And Use Thereof	US20080167314	2005-12-28	» TAKEDA PHARMACEUTICAL	TAKEDA CHEMICAL INDUSTRIES	81 %	
75.	Amine derivative	US20050245571	2002-10-17	» TAKEDA PHARMACEUTICAL	TAKEDA CHEMICAL INDUSTRIES	80 %	
76.	Substituted pyridines as sodium channel blockers	US9656959	2011-12-21	» PURDUE PHARMA		80 %	
77.	Use of agents to treat eosinophil-associated pathologies	US6071910	1997-12-05	» MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH		80 %	
78.	Inhibitors of RIP1 kinase and methods of use thereof	US11072607	2017-12-12	» HOFFMANN LA ROCHE	GENENTECH	80 %	
79.	Indole derivatives as somatostatin agonists or antagonists	US20060223826	2003-11-18	» TAKEDA PHARMACEUTICAL	TAKEDA CHEMICAL INDUSTRIES	80 %	

80.	Biaryl compound and use thereof	JP2003206280	2001-12-28	TAKEDA CHEMICAL INDUSTRIES	80 %	
81.	Imidazole 5-position substituted angiotensin II antagonists	US5395844	1993-06-10	E I DU PONT DE NEMOURS DU PONT MERCK PHARMACEUTICAL DUPONT MERCK PHARMACEUTICAL DUPONT PHARMACEUTICALS		
82.	Ring-substituted diphenylazetidionones, process for their preparation, medicaments comprising these compounds, and their use	US7176194	2002-06-19	AVENTIS PHARMA SANOFI AVENTIS	80 %	
83.	N-  4-(imidazolyl or pyrazolyl)phenyl(oxy, sulfinyl, sulfenyl or sulfonyl)alkylcarboxamides, sulfonamides or phosphoramides having antiarrhythmic properties	US5877196	1997-02-06	WYETH HOLDINGS AMERICAN CYANAMID BASF AGROCHEMICAL PRODUCTS		
84.	Potent and selective inhibitors of Nav1.7	US10344060	2014-03-12	AMGEN	80 %	
85.	Amide compound	US10472376	2014-07-02	TAKEDA PHARMACEUTICAL TAKEDA CHEMICAL INDUSTRIES	80 %	
86.	Diaminocyclobutene-3,4-diones	EP0796243	1995-10-03	AMERICAN HOME PRODUCTS WYETH	79 %	
87.	Aryl sulphone derivatives as calcium channel blockers	US20120245137	2010-09-17	ZALICUS PHARMACEUTICALS	79 %	
88.	Hydantoin modulators of kv3 channels	US20200039970	2017-12-15	AUTIFONY THERAPEUTICS	79 %	
89.	Benzoxazepin P13K inhibitor compounds and methods of use	US8242104	2010-09-27	GENENTECH ARGENTA DISCOVERY 2009 HOFFMANN LA ROCHE 		
90.	Heterocyclic compound	US9624184	2014-04-03	TAKEDA PHARMACEUTICAL	78 %	
91.	Topical anesthetics useful for treating cancer	US6391888	2000-10-03	MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH MAYO FOUND MEDICAL EDUCATION & RESEARCH	78 %	
92.	Melanin concentrating hormone antagonist	US7115750	2000-09-19	TAKEDA PHARMACEUTICAL ISHIHARA YUJI KATO KANEYOSHI MORI MASAACKI SHIMOMURA YUKIO SUZUKI NOBUHIRO TAKEDA CHEMICAL INDUSTRIES TAKEKAWA SHIRO TERAJIMA JUN		
93.	Peptides and aptamers for targeting of neuron or nerves	US8685372	2010-04-15	REGENTS OF THE UNIVERSITY OF CALIFORNIA UNIVERSITY OF CALIFORNIA	78 %	
94.	3-substituted-1h-indole compounds, their use as mtor kinase and pi3 kinase inhibitors, and their syntheses	US20090311217	2009-05-28	WYETH	78 %	
95.	Diaminocyclobutene-3,4-diones	US5464867	1994-11-16	WYETH AMERICAN HOME PRODUCTS	78 %	
96.	Therapeutic Agent for Diabetes	US20080009530	2006-08-09	TAKEDA PHARMACEUTICAL ABE HIDENORI RIKIMARU KENTAROU TAKEDA CHEMICAL INDUSTRIES WAKABAYASHI TAKESHI		
97.	Fused heterocyclic compounds as peptidase inhibitors	US7547710	2003-08-07	TAKEDA PHARMACEUTICAL TAKEDA CHEMICAL INDUSTRIES	78 %	
98.	Substituted p-diaminobenzene derivatives	US7906537	2004-03-18	LUNDBECK	78 %	
99.	Fused quinoline derivative and use thereof	US7592453	2005-04-28	TAKEDA PHARMACEUTICAL TAKEDA CHEMICAL INDUSTRIES	78 %	
100.	SGC stimulators	US11180493	2017-11-07	TISENTO THERAPEUTICS CYCLERION THERAPEUTICS IRONWOOD PHARMACEUTICALS		