

# K<sup>+</sup> Channel Modulators

Product ID	Product Name	Description
D3209	Diclofenac Sodium Salt	NSAID; COX-1/2 inhibitor, potential K <sup>+</sup> channel modulator.
G4597	18β-Glycyrrhetic Acid	Triterpene glycoside found in <i>Glycyrrhiza</i> ; 15-HPGDH inhibitor, hERG and KCNA3/Kv1.3 K <sup>+</sup> channel blocker.
A4440	Allicin	Organosulfur found in garlic, binds DNA; inwardly rectifying K <sup>+</sup> channel activator, L-type Ca <sup>2+</sup> channel blocker.
P6852	Propafenone Hydrochloride	β-adrenergic antagonist, Kv1.4 and K2P2 K <sup>+</sup> channel blocker.
P2817	Phentolamine Hydrochloride	ATP-sensitive K <sup>+</sup> channel activator, α-adrenergic antagonist.
P2818	Phentolamine Methanesulfonate	ATP-sensitive K <sup>+</sup> channel activator, α-adrenergic antagonist.
T7056	Troglitazone	Thiazolidinedione; PPARγ agonist, ATP-sensitive K <sup>+</sup> channel blocker.
G3556	Ginsenoside Rg3	Triterpene saponin found in species of <i>Panax</i> ; γ2 GABA-A agonist, Kv7.1 K <sup>+</sup> channel activator, α10 nAChR antagonist.
P6958	Protopanaxatriol	Triterpene sapogenin found in species of <i>Panax</i> ; GABA-A/C antagonist, slow-activating delayed rectifier K <sup>+</sup> channel blocker.
V3355	Vindoline	Semi-synthetic vinca alkaloid found in <i>Catharanthus</i> ; Kv2.1 K <sup>+</sup> channel blocker and H <sup>+</sup> /K <sup>+</sup> ATPase inhibitor.
A5037	Amiodarone Hydrochloride	Voltage-gated Na <sup>+</sup> , Ca <sup>2+</sup> , K <sup>+</sup> channel blocker, α/β-adrenergic antagonist, FIASMA.
B8262	Bupivacaine Hydrochloride Monohydrate	Amino amide; voltage-gated Na <sup>+</sup> , BK/SK, Kv1, Kv3, TASK-2 K <sup>+</sup> channel inhibitor.
C0270	Carbamazepine	GABA potentiator, voltage-gated Na <sup>+</sup> and ATP-sensitive K <sup>+</sup> channel blocker.
C9711	Cyclovirobuxine D	Found in <i>Buxus</i> ; hERG K <sup>+</sup> channel inhibitor.
D5649	Domperidone	D2/3 antagonist, hERG K <sup>+</sup> channel blocker.
G4535	Glimepiride	Sulfonylurea; ATP-sensitive K <sup>+</sup> channel blocker.
G4634	Glipizide	Sulfonylurea; ATP-sensitive K <sup>+</sup> channel blocker.
I5034	Imiquimod	Imidazoquinoline nucleoside analog; TLR-7/8 agonist, KCNA1/Kv1.1 and KCNA2/Kv1.2 K <sup>+</sup> channel partial agonist, TREK-1/K2P2 and TRAAK/K2P4 K <sup>+</sup> channel blocker.
N1822	Nefazodone Hydrochloride	5-HT2 antagonist, SERT and NET inhibitor, hERG K <sup>+</sup> channel blocker.
O9210	Oxcarbazepine	α4β2 nAChR desensitizer, delayed-rectifier voltage-gated K <sup>+</sup> and voltage-gated Na <sup>+</sup> channel blocker.
B5648	Bombesin	GRP analog found in <i>Bombina</i> ; bombesin and GRP agonist, hERG K <sup>+</sup> channel blocker.
F4584	Fluphenazine Hydrochloride	Piperazine; FIASMA, D2 antagonist, hERG K <sup>+</sup> channel blocker.
L1884	Levosimendan	Ca <sup>2+</sup> sensitizer; ATP-sensitive K <sup>+</sup> channel activator, troponin C stabilizer, PDE inhibitor.
P0008	Pituitary Adenylate Cyclase-activating Peptide (6-38), human/sheep/rat	Endogenous peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
A6002	Apamin	Peptide, bee venom toxin; SK2/3/4 K <sup>+</sup> channel blocker.
C7997	C-Type Natriuretic Peptide (1-22), human	Endogenous cardiomodulatory peptide; NPR-B agonist.
C7998	C-Type Natriuretic Peptide, chicken	Endogenous cardiomodulatory peptide; NPR-B agonist.
D3429	Dihydrocytochalasin B	Mycotoxin derivative; actin polymerization inhibitor, Kv1.1-A-type K <sup>+</sup> channel converter.
N5211	Nocistatin	Neuropeptide; TRPC agonist, BK/SK K <sup>+</sup> channel modulator.
P0005	Pituitary Adenylate Cyclase-activating Polypeptide (1-27), human/sheep/rat	Endogenous peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
P0006	Pituitary Adenylate Cyclase-activating Polypeptide (1-38), human/sheep/rat	Endogenous peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
P0007	Pituitary Adenylate Cyclase-activating Polypeptide (6-27), human/sheep/rat	Endogenous peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
P0009	Pituitary Adenylate Cyclase-activating Polypeptide (1-38), frog	Endogenous peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
P0010	Pituitary Adenylate Cyclase-activating Polypeptide-related Peptide, human	Peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
P0011	Pituitary Adenylate Cyclase-activating Polypeptide-related Peptide, rat	Peptide, involved in paracrine and autocrine cell signaling; PAC1 and VPAC1/2 agonist.
R3477	Ritodrine Hydrochloride	Phenylethylamine; β2-adrenergic agonist, SK/BK and ATP-sensitive K <sup>+</sup> channel activator.
S0171	Sarafotoxin 6c	Isoform of a toxin found in <i>Atractaspis engaddensis</i> ; ET-B agonist, ATP-sensitive K <sup>+</sup> channel activator.
S6019	Speract	Peptide, derived from egg outer envelope; K <sup>+</sup> channel activator, speract SRCR agonist.
A5235	Amitriptyline Hydrochloride	FIASMA, σ1, RyR2, TrkA/B agonist, 5-HT2/6/7, M1-5 mAChR, histamine H1/4, α1-adrenergic antagonist, SERT, NET inhibitor, Kv1.1/7.2/7.3 K <sup>+</sup> , L-type Ca <sup>2+</sup> channel blocker.
A5059	Amoxapine	5-HT2/3/6/7, D2/3/4, histamine H1, α1-adrenergic antagonist, SERT and NET inhibitor, hERG K <sup>+</sup> channel blocker.
S5976	Sotalol Hydrochloride	β-adrenergic antagonist, voltage-gated Na <sup>+</sup> and K <sup>+</sup> channel blocker.
B8261	Bupivacaine	BK/SK, Kv1, Kv3, TASK-2 K <sup>+</sup> channel blocker, voltage-gated Na <sup>+</sup> channel blocker.
A5072	Amsacrine	Acridine derivative; DNA intercalator, topoisomerase II inhibitor, hERG K <sup>+</sup> channel blocker.



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R1860	Repaglinide	Sulfonylurea; ATP-sensitive K <sup>+</sup> channel blocker.
M3577	Mitiglinide Calcium	ATP-sensitive K <sup>+</sup> channel blocker, potential RyR agonist.
M5727	Moguisteine	Potential ATP-sensitive K <sup>+</sup> channel blocker, potential irritant receptor antagonist.
F4583	Flupirtine Maleate	Kv7 K <sup>+</sup> channel activator, NMDA antagonist, GABA-A negative modulator.
G3552	20S-Ginsenoside Rg3	Triterpene saponin found in <i>Panax</i> ; Kv7.1 K <sup>+</sup> channel activator, $\gamma$ 2 GABA-A agonist, $\alpha$ 10 nAChR antagonist.
D5992	Doxapram Hydrochloride Hydrate	K <sup>+</sup> channel blocker, catecholamine release stimulator.
T2936	Thioridazine Hydrochloride	Piperidine phenothiazine; FIASMA, D1-5, histamine H1/2, M1-5 mAChR, 5-HT1/2/5/6/7, $\alpha$ 1/2-adrenergic antagonist, NET inhibitor, hERG K <sup>+</sup> channel inhibitor.
P3461	Pipemidic Acid	Fluoroquinolone; bacterial DNA gyrase inhibitor and ATP-sensitive K <sup>+</sup> channel blocker.
A4441	Allicin, aqueous	Organosulfur found in garlic, binds DNA; inwardly rectifying K <sup>+</sup> channel activator, L-type Ca <sup>2+</sup> channel blocker.
R3197	Rhyncholphylline	Oxyindole alkaloid found in <i>Uncaria sinensis</i> ; hERG K <sup>+</sup> and L-type Ca <sup>2+</sup> channel channel blocker, NMDA antagonist.
C4457	Clomipramine Hydrochloride	FIASMA, mAChR, 5-HT2/3/6/7, $\alpha$ 1/2-adrenergic antagonist, SERT and NET inhibitor, hERG K <sup>+</sup> and L-type Ca <sup>2+</sup> channel blocker.
S1863	Seprooxetine Hydrochloride	Fluoxetine metabolite; SERT and DAT inhibitor, Kv7.1 K <sup>+</sup> channel blocker, 5-HT2A/2C antagonist.
T7003	Trazodone Hydrochloride	5-HT1A partial agonist, 5-HT2, histamine, $\alpha$ 1/2-adrenergic antagonist, SERT inhibitor, voltage-gated K <sup>+</sup> channel blocker.
I7258	Isoflurane	Ca <sup>2+</sup> ATPase and ATP-sensitive K <sup>+</sup> channel activator, GABA-A and GlyR potentiator, NMDA antagonist, L-type Ca <sup>2+</sup> , delayed rectifier K <sup>+</sup> , A-type K <sup>+</sup> channel blocker.
G3252	6-Gingerol	Phenol found in <i>Zingiber</i> ; TRPV1 agonist, 5-HT3 antagonist, TASK-1/TASK-3/TRESK K <sup>+</sup> channel blocker.
F4483	Flufenamic Acid	NSAID; TREK1 K <sup>+</sup> potentiator, voltage-gated Na <sup>+</sup> channel blocker, TRPC3 and TRPM2 antagonist, COX-1/2 inhibitor.
R3347	Riluzole	Benzothiazole; TRPC5 agonist, PTR1 inhibitor, voltage-gated Na <sup>+</sup> channel blocker, GLT-1 modulator.
T6934	Trimebutine Maleate	L-type Ca <sup>2+</sup> channel blocker, BK K <sup>+</sup> channel modulator, potential opioid agonist.
T6935	Trimebutine base	BK K <sup>+</sup> channel and L-type Ca <sup>2+</sup> channel blocker.
P1854	Penicillic Acid	Neuroactive mycotoxin produced by <i>Penicillium</i> and <i>Aspergillus</i> ; BK K <sup>+</sup> , voltage-gated cardiac Na <sup>+</sup> , K <sup>+</sup> , Ca <sup>2+</sup> channel inhibitor.
T1978	Tetrahydroberberine	Isoquinoline alkaloid found in <i>Corydalis</i> ; 5-HT1A agonist, D2 antagonist, ATP-sensitive K <sup>+</sup> channel blocker.