

# Ca<sup>2+</sup> Channel Modulators

Product ID	Product Name	Description
H1672	Hesperetin	Flavanone found in species of <i>Citrus</i> ; L-type Ca <sup>2+</sup> channel blocker.
N3208	Nicardipine	Dihydropyridine; L-type Ca <sup>2+</sup> channel blocker.
N1721	Nefracetam	Pyrrolidone; NMDA and mGluR5 agonist, N-type and L-type Ca <sup>2+</sup> channel activator, α4β2 nAChR potentiator.
T1777	S,S-(+)-Tetraandrine	Benzylisoquinoline alkaloid found in <i>Stephania</i> ; voltage-gated Ca <sup>2+</sup> channel blocker.
N3322	Niflumic Acid	NSAID; NMDA inverse agonist, T-type Ca <sup>2+</sup> and Cl <sup>-</sup> channel blocker, GABA-A antagonist, COX-1/2 inhibitor.
T1678	D,L-Tetrahydropalmatine	Alkaloid found in <i>Corydalis</i> and <i>Stephania</i> ; D1/2 antagonist, potential L-type Ca <sup>2+</sup> and K <sup>+</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.
R3347	Riluzole	Benzothiazole; TRPC5 agonist, PTR1 inhibitor, voltage-gated Na <sup>+</sup> channel blocker, GLT-1 modulator.
V0147	Valproic Acid Sodium Salt	T-type Ca <sup>2+</sup> and voltage-gated Na <sup>+</sup> channel blocker, GABA transaminase and HDAC inhibitor.
L5751	Lomerizine Dihydrochloride	L-type and T-type Ca <sup>2+</sup> and TRP antagonist.
A4440	Allicin	Organosulfur found in garlic, binds DNA; inwardly rectifying K <sup>+</sup> channel activator, L-type Ca <sup>2+</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.
T6934	Trimebutine Maleate	L-type Ca <sup>2+</sup> channel blocker, BK K <sup>+</sup> channel modulator, potential opioid agonist.
P0218	Paeoniflorin	Found in <i>Paeonia</i> ; L-type Ca <sup>2+</sup> channel blocker.
V1769	Verapamil Hydrochloride	L-type Ca <sup>2+</sup> channel blocker.
H9861	Hypericin	Naphthodianthrone found in <i>Hypericum</i> ; dopamine β-hydroxylase and proteasome inhibitor, N-type and P/Q-type Ca <sup>2+</sup> channel blocker.
A5315	Deoxy-andrographolide	Labdane diterpene found in <i>Andrographolis</i> ; cNOS and adenyl cyclase activator, PAF inhibitor, potential voltage-gated Ca <sup>2+</sup> channel blocker.
R5774	Roscovitine	CDK inhibitor, L-type Ca <sup>2+</sup> channel blocker.
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.
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.
S5749	Somatostatin-14	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
N3228	Nifedipine	Dihydropyridine; L-type Ca <sup>2+</sup> channel blocker.
D3227	Dihydromethysticin	Kavalactone found in <i>Piper methysticum</i> (kava plant); Voltage-gated Na <sup>+</sup> and L-type Ca <sup>2+</sup> channel blocker.
K0088	Kawain	Kavalactone found in <i>Piper methysticum</i> (kava plant); Voltage-gated Na <sup>+</sup> and L-type Ca <sup>2+</sup> channel blocker.
A5037	Amiodarone Hydrochloride	Voltage-gated Na <sup>+</sup> , Ca <sup>2+</sup> , K <sup>+</sup> channel blocker, α/β-adrenergic antagonist, FIASMA.
Z5653	Zonisamide	Sulfonamide; carbonic anhydrase inhibitor, voltage-gated Na <sup>+</sup> and T-type Ca <sup>2+</sup> channel blocker.
L0349	Lamotrigine	R-type Ca <sup>2+</sup> and voltage-gated Na <sup>+</sup> channel blocker.
P0219	Paeonol	Found in <i>Paeonia</i> , <i>Arisaema</i> , and <i>Dioscorea</i> ; MAO-A/B inhibitor, voltage-gated and receptor-gated Ca <sup>2+</sup> channel blocker.
P7103	Praziquantel	Alters membrane permeability and Ca <sup>2+</sup> signaling; potential adenosine antagonist, potential voltage-gated Ca <sup>2+</sup> channel blocker.
C0376	Catharanthine base	Alkaloid found in <i>Catharanthus</i> , precursor in synthesis of vinca alkaloids; voltage-gated Ca <sup>2+</sup> channel blocker.
C0377	Catharanthine sulfate	Alkaloid found in <i>Catharanthus</i> , precursor in synthesis of vinca alkaloids; voltage-gated Ca <sup>2+</sup> channel blocker.
C0378	Catharanthine Tartrate	Alkaloid found in <i>Catharanthus</i> , precursor in synthesis of vinca alkaloids; voltage-gated Ca <sup>2+</sup> channel blocker.
P0253	Panaxadiol	Triterpene saponenin found in species of <i>Panax</i> ; voltage-gated Ca <sup>2+</sup> channel blocker.
P0254	Panaxatriol	Triterpene saponenin found in species of <i>Panax</i> ; voltage-gated Ca <sup>2+</sup> channel blocker.
SC7056	Snake venom - <i>Crotalus durissus terrificus</i>	Snake venom found in <i>Crotalus durissus terrificus</i> ; binds N-type and P/Q-type Ca <sup>2+</sup> channels, L-type Ca <sup>2+</sup> channel potentiator, NMJ blocker.
A5045	Amlodipine	Dihydropyridine, FIASMA; L-type Ca <sup>2+</sup> channel blocker.



Specialty Chemicals for Life Science Research

LKT Laboratories, Inc. • lktlabs.com • Phone: 651-644-8424 • Fax: 651-644-8357 • @lktlabs



Product ID	Product Name	Description
A5044	Amlodipine besylate	Dihydropyridine, FIASMA; L-type Ca <sup>2+</sup> channel blocker.
G0106	Gabapentin	GABA analog; GABA potentiator, adenosine A1 agonist, voltage-gated α <sub>2δ</sub> Ca <sup>2+</sup> channel blocker, NMDA modulator.
M0262	Maprotiline Hydrochloride	Tetracycline; FIASMA, histamine H1, 5-HT <sub>2</sub> , mAChR, α <sub>1</sub> -adrenergic antagonist, L-type Ca <sup>2+</sup> channel blocker, NET inhibitor.
N3448	Nimodipine	L-type Ca <sup>2+</sup> channel blocker.
C3251	Cinnarizine	FIASMA, L-type Ca <sup>2+</sup> channel blocker, D <sub>2</sub> antagonist.
S5750	Somatostatin-28	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
S5745	[Tyr <sup>1</sup> ]-Somatostatin	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
S5747	[Tyr <sup>11</sup> ]-Somatostatin	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
S5751	Somatostatin-25	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
S5752	Somatostatin-28 (1-12)	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
S5753	Somatostatin-28 (1-14)	Endogenous neuropeptide hormone; somatostatin agonist, GABA modulator, P/Q-type, N-type, and L-type voltage-gated Ca <sup>2+</sup> channel modulator.
T6935	Trimebutine base	BK K <sup>+</sup> channel and L-type Ca <sup>2+</sup> channel blocker.
C0247	Calcineurin Autoinhibitory Peptide	Peptide; calcineurin inhibitor.
F1745	Felodipine	Dihydropyridine; L-type Ca <sup>2+</sup> channel blocker.
G4483	Glucagon-Like Peptide II, human	Endogenous peptide hormone, involved in intestinal function; GLP2 agonist.
G4484	Glucagon-Like Peptide II, rat	Endogenous peptide hormone, involved in intestinal function; GLP2 agonist.
G4485	[Ala <sup>19</sup> ]-Glucagon-Like Peptide II, rat	Peptide hormone, GLP-2 derivative; GLP2 agonist.
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.
C3446	Cilnidipine	Dihydropyridine; L-type and N-type Ca <sup>2+</sup> channel blocker.
A5235	Amitriptyline Hydrochloride	FIASMA, σ <sub>1</sub> , RyR <sub>2</sub> , TrkA/B agonist, 5-HT <sub>2/6/7</sub> , M <sub>1-5</sub> mAChR, histamine H <sub>1/4</sub> , α <sub>1</sub> -adr. antagonist, SERT, NET inhibitor, Kv <sub>1.1/7.2/7.3</sub> K <sup>+</sup> , L-type Ca <sup>2+</sup> channel blocker.
C9863	Cyproconazole	Triazole; 14-α demethylase inhibitor, voltage-gated Ca <sup>2+</sup> channel blocker, potential aromatase inhibitor.
T1605	Tebuconazole	Triazole; 14-α demethylase inhibitor, voltage-gated Ca <sup>2+</sup> channel blocker, potential aromatase inhibitor.
M0248	Manidipine Hydrochloride	Dihydropyridine; L-type and T-type Ca <sup>2+</sup> channel blocker.
D3447	Diltiazem Hydrochloride	Benzothiazepine; L-type Ca <sup>2+</sup> channel blocker, potential CNG 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.
P7158	Protopine	Isoquinoline alkaloid found in a variety of plant sources; voltage- and receptor-gated Ca <sup>2+</sup> channel blocker.
C4457	Clomipramine Hydrochloride	FIASMA, mAChR, 5-HT <sub>2/3/6/7</sub> , α <sub>1/2</sub> -adrenergic antagonist, SERT and NET inhibitor, hERG K <sup>+</sup> and L-type Ca <sup>2+</sup> channel blocker.
D3349	Dimebon Dihydrochloride	AMPK activator, L-type Ca <sup>2+</sup> channel and NMDA, histamine H <sub>1/2</sub> , α-adrenergic, 5-HT <sub>2C/5A/6</sub> receptor antagonist.