



LKT Laboratories, Inc.

Azelnidipine

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Product Information

Product ID A9617

CAS No. 123524-52-7

Chemical Name 3-(1-Benzhydrylazetid-3-yl) 5-isopropyl 2-amino-6-methyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

Synonym CS-905, RS-9054

Formula C₃₃H₃₄N₄O₆

Formula Wt. 582.66

Melting Point

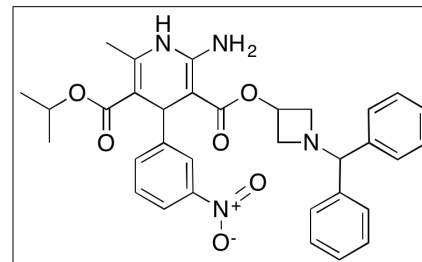
Purity ≥98%

Solubility 15 mg/ml in ethanol, 30 mg/ml in DMSO and DMF. sparingly soluble in aqueous buffers.

Store Temp -20°C

Ship Temp Ambient

Description Azelnidipine is a dihydropyridine L-type Ca²⁺ channel blocker that exhibits antihypertensive, anti-atherosclerotic, and anti-inflammatory activities. Clinically, azelnidipine decreases blood pressure; it also decreases inflammatory cytokine levels and carotid intima-media thickness. Additionally, this compound preserves insulin signaling and glucose uptake in animal models of oxidative stress.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A9617	5 mg	\$52.50
A9617	10 mg	\$68.30
A9617	50 mg	\$78.80
A9617	500 mg	\$131.30
A9617	1 g	\$183.80

References Tawaramoto K, Kaneto H, Hashiramoto M, et al. Azelnidipine, but not amlodipine, reduces urinary albumin excretion and carotid atherosclerosis in subjects with type 2 diabetes: blood pressure control with olmesartan and azelnidipine in Type 2 diabetes (BOAT2 study). *Diabetol Metab Syndr*. 2015 Sep 17;7:80. PMID: 26388951.

Tatsumi F, Kaneto H, Hashiramoto M, et al. Anti-hypertensive azelnidipine preserves insulin signaling and glucose uptake against oxidative stress in 3T3-L1 adipocytes. *Endocr J*. 2015;62(8):741-7. PMID: 26073866.

Chen BL, Zhang YZ, Luo JQ, et al. Clinical use of azelnidipine in the treatment of hypertension in Chinese patients. *Ther Clin Risk Manag*. 2015 Feb 24;11:309-18. PMID: 25750535.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.