



LKT Laboratories, Inc.

Azelnidipine

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Product Information

Product ID A9617

CAS No. 123524-52-7

Chemical Name

Synonym

Formula $C_{33}H_{34}N_4O_6$

Formula Wt. 582.66

Melting Point

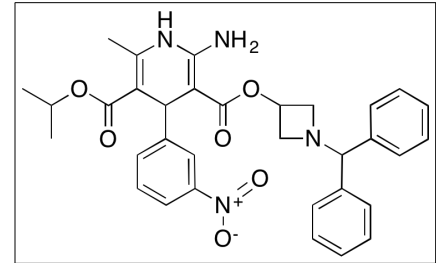
Purity $\geq 98\%$

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

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Azelnidipine is a dihydropyridine L-type Ca^{2+} 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.



Bulk quantities available upon request

Product ID	Size
A9617	5 mg
A9617	10 mg
A9617	50 mg

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.