LKT Laboratories, Inc.

Felodipine

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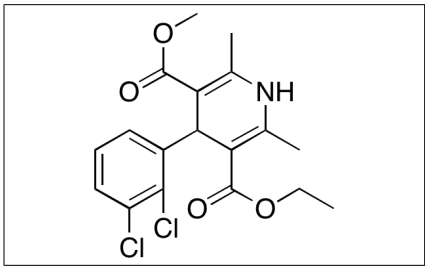
Product Information

Product ID F1745
CAS No. 72509-76-3
Chemical Name

Synonym Flodil, Munobal, Penedil, Perfudal, Plendil



Formula $C_{18}H_{19}Cl_2NO_4$
Formula Wt. 384.25
Melting Point 142-145°C
Purity ≥98%
Solubility

Bulk quanitites available upon request

Product ID	Size
F1745	50 mg
F1745	100 mg
F1745	250 mg

Store Temp Ambient
Ship Temp Ambient

Description Felodipine is a dihydropyridine antagonist at L-type cardiac Ca2+ channels. Felodipine exhibits antihypertensive, cardioprotective, and anti-inflammatory activities. In rat models of metabolic syndrome, felodipine decreases blood pressure, activation of NF-κB, and levels of serum insulin, ICAM-1, VCAM-1, and circulating macrophages. In animal models of cardiac ischemia/reperfusion, felodipine decreases infarct size.

References

Tan HW, Xing SS, Bi XP, et al. Felodipine attenuates vascular inflammation in a fructose-induced rat model of metabolic syndrome via the inhibition of NF-kappaB activation. Acta Pharmacol Sin. 2008 Sep;29(9):1051-9. PMID: 18718174.

Kal JE, Spaan JA, van Wezel HB. Calcium channel blockade with felodipine does not affect metabolic coronary vasodilation in patients with coronary artery disease. J Cardiovasc Pharmacol. 2002 Feb;39(2):225-33. PMID: 11791008.

Koseki N, Deguchi J, Yamashita A, et al. Establishment fo a novel experimental protocol for drug-induced seizure liability screening based on a locomotor activity assay in zebrafish. J Toxicol Sci. 2014 Aug;39(4):579-600. PMID: 25056783.