



LKT Laboratories, Inc.

Nisoldipine

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Product Information

Product ID N3474

CAS No. 63675-72-9

Chemical Name

Synonym

Formula $C_{20}H_{24}N_2O_6$

Formula Wt. 388.42

Melting Point

Purity $\geq 98\%$

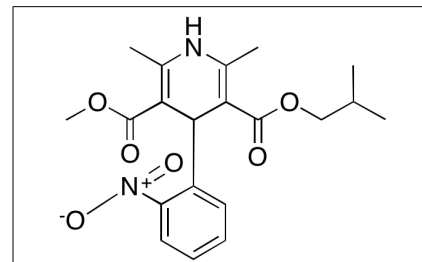
Solubility Soluble in DMSO to 100 mM and in ethanol to 100 mM

Store Temp 4°C

Ship Temp Ambient

Description Nisoldipine is an L-type Ca^{2+} channel blocker which with long-term treatment can prevent the development of hypertension and cardiac hypertrophy in young spontaneously hypertensive rats. It is a dihydropyridine analog that acts as an activator of the human pregnane X receptor, which in turn mediates activation of gene sets involved in the metabolism of xenobiotics.

TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

| Product ID | Size | List Price |
|------------|-------|------------|
| N3474 | 10 mg | \$45.00 |
| N3474 | 50 mg | \$100.00 |

References Missan S, Zhabyeyev P, Dyachok O, et al. Block of cardiac delayed-rectifier and inward-rectifier K^+ currents by nisoldipine. Br J Pharmacol. 2003 Nov; 140(5): 863-870. PMID: 14530219.

Stasch J, Kazda S, Hirth C, et al. Role of nisoldipine on blood pressure, cardiac hypertrophy, and atrial natriuretic peptides in spontaneously hypertensive rats. Hypertension. 1987 Sep; 10(3): 303-307. PMID: 2957322.

Pan Y, Li L, Kim G, et al. Identification and Validation of Novel Human Pregnane X Receptor Activators among Prescribed Drugs via Ligand-Based Virtual Screening. Drug Metab Dispos. 2011 Feb; 39(2): 337-344. PMID: 21068194.

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