

Felodipine, L-type Ca²⁺ channel blocker

Catalog	Unit
TBI2020-10MG	10 mg
TBI2020-50MG	50 mg

Product Details

Formal Name: 3-Ethyl 5-methyl 4-(2,3-dichlorophenyl)-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylate

Molecular Formula: C₁₈H₁₉Cl₂NO₄

Formula Weight: 384.25

CAS Number: 72509-76-3

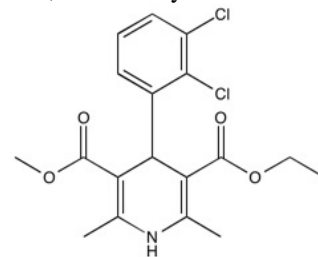
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 35 mg/ml).

Storage: RT

Stability: ≥ 1 year.



Applications

L-type Ca²⁺ channel blocker

Functions

Felodipine is a potent L-type Ca²⁺ channel blocker that is selective over N-, R-, P/Q- and T-type channels. It displays high vascular selectivity over cardiac muscle, thus lowering arterial blood pressure without altering cardiac contractility. Felodipine is used in the clinic as an antihypertensive agent.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.