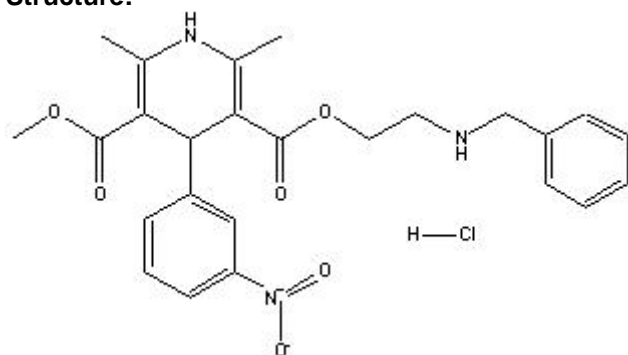


## TECHNICAL INFORMATION

Catalog Number: 190244

### Nicardipine Hydrochloride

#### Structure:



**Molecular Formula:** C<sub>26</sub>H<sub>29</sub>N<sub>3</sub>O<sub>6</sub>·HCl

**Molecular Weight:** 516

**CAS #** 54527-84-3

**Synonym:** 1,4-Dihydro-2,6-dimethyl-4-[3-nitrophenyl] methyl-2-[methyl-phenyl-methyl] amino]-3,5- pyridinedicarboxylic acid ethyl ester

**Physical Description:** Pale yellow powder

**Solubility:** Soluble in methanol (50 mg/ml - clear, yellow solution) or 0.1 N HCl (1.3 mg/ml); insoluble in 0.1 N Sodium hydroxide or water.

**Description:** A vasodilator with 1,4-dihydropyridine-type calcium channel blocking activity. Structurally relate to Nifedipine. A anti-hypertensive agent. Suppresses drug-induced peroxisome proliferation and microsomal omega-oxidation.<sup>5</sup>

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- Watanabe, T., Itoga, H., Okawa, S., Tamura, H. and Suga, T., "Co-Suppression by nicardipine, a calcium-antagonist, of induction of microsomal lauric acid hydroxylation with peroxisome proliferation in clofibrate-treated rat-liver." *Chemical and Pharmaceutical Bulletin*, v. **39:5**, 1320-1322 (1991).
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