

## Atorvastatin

Cat. No. CEI-0532

Lot. No. (See product label)

### Introduction

**Description** A cholesterol lowering drug and a competitive inhibitor of HMG-CoA (3-hydroxy-3-methylglutaryl coenzyme A) reductase (IC<sub>50</sub> = 154 nM) a rate limiting enzyme in cholesterol synthesis. Blocks the production of mevalonate, a critical compound in the production of cholesterol and isoprenoids. In addition to inhibiting cholesterol synthesis, atorvastatin reduces the production of low-density lipoprotein (LDL).

### Product Information

**Appearance** White solid

**CAS No.** 134523-00-5

**Molecular Formula** C<sub>33</sub>H<sub>35</sub>FN<sub>2</sub>O<sub>5</sub>

**Chemical Name** 2-(4-fluorophenyl)-βR,δR-dihydroxy-5-(1-methylethyl)-3-phenyl- 4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid

**Molecular Weight** 164.28

**Purity** >98%

**Targets** HMG-CoA

**Solubility** DMSO (15 mg/ml) and H<sub>2</sub>O (1 mg/ml)

### Storage and Shipping Information

**Storage** +4C

**Shipping Conditions** RT