

## 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

<b>Appearance</b>	White solid
<b>CAS No.</b>	134523-00-5
<b>Molecular Formula</b>	C <sub>33</sub> H <sub>35</sub> FN <sub>2</sub> O <sub>5</sub>
<b>Chemical Name</b>	2-(4-fluorophenyl)-βR,δR-dihydroxy-5-(1-methylethyl)-3-phenyl- 4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid
<b>Molecular Weight</b>	164.28
<b>Purity</b>	>98%
<b>Targets</b>	HMG-CoA
<b>Solubility</b>	DMSO (15 mg/ml) and H <sub>2</sub> O (1 mg/ml)

### Storage and Shipping Information

<b>Storage</b>	+4C
<b>Shipping Conditions</b>	RT