

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 (IC₅₀ = 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 C₃₃H₃₅FN₂O₅

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 H₂O (1 mg/ml)

Storage and Shipping Information

Storage +4C

Shipping Conditions RT