Creative Enzymes®

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 H_2O (1 mg/ml)

Storage and Shipping Information

Storage	+4C
Shipping Conditions	RT