

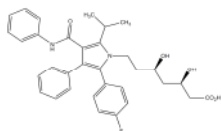
PRODUCT: Atorvastatin

ALTERNATE NAME: 2-(4-fluorophenyl)-βR,δR-dihydroxy-5-(1-methylethyl)-3-phenyl- 4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid

CATALOG #: 2278-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₃H₃₅FN₂O₅

MOLECULAR WEIGHT: 558.64

CAS NUMBER: 134523-00-5

APPEARANCE: White solid

SOLUBILITY: DMSO (~15 mg/ml) or EtOH (~0.5 mg/ml)

PURITY: ≥98%

STORAGE: At -20° C. Protect from light and moisture

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).

REFERENCE: Marais, A.D., *et al.* (1997). *J. Lipid Res.* **38**, 2071-2078

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Lovastatin (Cat. No. 1692-50, 250)

Mevastatin (Cat. No. 1694-50, 250)

Rosuvastatin (Cat. No. 1955-5, 25)

Simvastatin (Cat. No. 1693-50, 250)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**