

## Atorvastatin Calcium (Cas No 134523-00-5)

Taj Pharmaceuticals.Ltd  
**Atorvastatin Calcium**  
CAS No.134523-03-8

### Chemical Formulas

#### Systematic (IUPAC) name

(3R,5R)-7-[2-(4-fluorophenyl)-3-phenyl-4-(phenylcarbamoyl)-5-(propan-2-yl)-1H-pyrrol-1-yl]-3,5-dihydroxyheptanoic acid

#### Identifiers

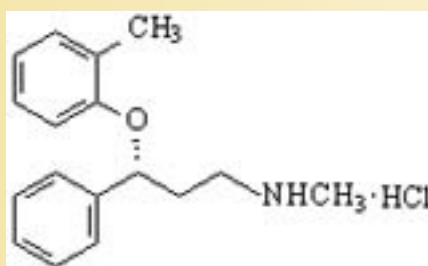
CAS number 134523-00-5

ATC code C10AA05

PubChem 60823

DrugBank APRD00055

ChemSpider 54809



#### Chemical data

Formula C33H35FN2O5 Mol. mass 558.64

SMILES eMolecules & PubChem

#### Pharmacokinetic data

Bioavailability 12%

Metabolism Hepatic - CYP3A4

Half life 14 hours

Excretion Bile

Therapeutic considerations

Pregnancy cat. Routes oral

Atorvastatin is a member of the drug class known as statins, used for lowering blood cholesterol.

It also stabilizes plaque and prevents strokes through anti-inflammatory and other mechanisms. Atorvastatin inhibits HMG-CoA reductase, the rate-determining enzyme located in hepatic tissue that produces mevalonate, a small molecule used in the synthesis of cholesterol and other mevalonate derivatives.

This lowers the amount of cholesterol produced which in turn lowers the total amount of LDL cholesterol.