

Atorvastatin Calcium Cas No. : 134523-03-8

Anthranilic acid is the organic compound with the formula C₆H₄(NH₂)CO₂H. This amino acid is white solid when pure, although commercial samples may appear yellow. The molecule consists of a benzene ring with two adjacent functional groups, a carboxylic acid and an amine. Because these two groups are polar, this organic compound is highly soluble in water. It is sometimes referred to as vitamin.

Active Pharmaceuticals Ingredients Manufacturers



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Taj Pharmaceuticals Ltd.

Atorvastatin Calcium

CAS No. : 134523-03-8

**Chemical Formulas**atorvastations Calcium Molecular formula : C₁₇H₂₁NO₅ · HCl**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 dataFormula C₃₃H₃₅FN₂O₅

Mol. mass 558.64

SMILES eMolecules & PubChem

Pharmacokinetic data

Bioavailability 12%

Metabolism Hepatic - CYP3A4

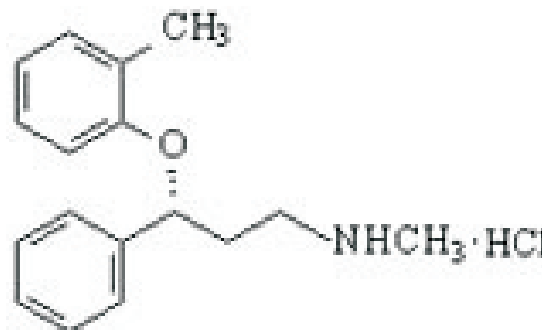
Half life 14 hours

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.

USES

Atorvastatin Calcium is a cholesterol-lowering drug. Your doctor may prescribe it along with a special diet if your blood cholesterol or triglyceride level is high and you have been unable to lower your readings by diet alone.

The drug works by helping to clear harmful low-density lipoprotein (LDL) cholesterol out of the blood and by limiting the body's ability to form new LDL cholesterol.



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Your doctor may prescribe Atorvastatin Calcium to reduce your chances of having a heart attack or developing heart disease if you have any of the following risk factors:

are age 55 years or older

smoke

have high blood pressure

have low levels of HDL (high-density lipoprotein—the good cholesterol)

have a family history of early heart disease

For people at high risk of heart disease, the doctor may suggest a cholesterol-lowering medication if LDL readings are 130 or more. For those at low risk, a medication is considered at readings of 190 or more.

DOSAGE

Atorvastatin Calcium should be taken once a day, with or without food. You can take it in the morning or the evening, but should hold to the same time each day. The drug generally begins working within 2 weeks.

For an even greater cholesterol-lowering effect, your doctor may prescribe Atorvastatin Calcium along with a different kind of lipid-lowering drug such as cholestyramine or colestipol.

It's important to avoid taking the two drugs at the same time of day. Take Atorvastatin Calcium at least 1 hour before or 4 hours after the other drug.

If you miss a dose...

Take the forgotten dose as soon as you remember. If it is almost time for your next dose, skip the one you missed and go back to your regular schedule. Do not take 2 doses at the same time.

Storage instructions...

Store at room temperature.





SIDE EFFECTS

Diarrhea or stomach/abdominal pain may occur. If any of these effects persist or worsen, tell your doctor or pharmacist promptly.

Remember that your doctor has prescribed this medication because he or she has judged that the benefit to you is greater than the risk of side effects. Many people using this medication do not have serious side effects.

This drug may infrequently cause muscle problems (which can rarely lead to a very serious condition called rhabdomyolysis).

Tell your doctor immediately if you develop any of these symptoms: muscle pain/tenderness/weakness (especially with fever or unusual tiredness), change in the amount of urine.

Tell your doctor immediately if any of these rare but very serious side effects occur: yellowing eyes/skin, dark urine, severe stomach/abdominal pain, persistent nausea/vomiting.

A very serious allergic reaction to this drug is rare.

However, seek immediate medical attention if you notice any symptoms of a serious allergic reaction, including: rash, itching/swelling (especially of the face/tongue/throat), severe dizziness, trouble breathing.

This document plus the full buyer/ prescribing information, prepared for health professionals can be found at:

<http://www.tajapi.com>

or by contacting the sponsor, Taj Pharmaceuticals Limited., at:
91 022 30601000.

This leaflet was prepared by
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Mumbai (India).

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