

QUALITATIVE AND QUANTITATIVE COMPOSITION

TRUVA™ 10mg Tablet Each film coated tablet contains: Atorvastatin Calcium Trihydrate USP equivalent to Atorvastatin......10mg TRUVA™ Tablet 20mg Each film coated tablet contains: Atorvastatin Calcium Trihydrate USP equivalent to Atorvastatin.......20mg

PHARMACEUTICAL FORM

CLINICAL PARTICULARS

THERAPEUTC NDICATIONS: Hypercholesterolemia: Atorvastatin is indicated as an adjunct to diet for reduction of elevated total cholesterol (total-C), LDL-cholesterol (LDL-C), apolipoprotein B, and triglycerides in adults, adolescents and children aged 10 years or older with primary hypercholesterolemia including familial hypercholesterolemia (heteroxygous variant) or combined (mixed) hyperlipidemia (corresponding to Types Ila and Ilb of the Fredrickson classification) when response to diet and other nonpharmacological measures is includent and the company of the company o

measures is madequate. Atorvastatin is also indicated to reduce total-C and LDL-C in adults with homozygous familial hypercholesterolemia as an adjunct to other lipid-lowering treatments (e.g. LDL

apheresis) or if such treatments are unavailable.

Prevention of cardiovascular disease: Prevention of cardiovascular events in adult patients estimated to have a high risk for a first cardiovascular event, as an adjunct to correction of other risk factors.

POSOLOGY AND METHOD OF ADMINISTRATION: Posology: Patient should be placed on a standard cholesterol-lowering diet before receiving atorvastatin and should continue on this diet during treatment with atorvastatin. The dose should be individualized according to baseline LDL-C levels, the goal of therapy, and patient response. The usual starting dose is 10mg once a day. Adjust dose at intervals of 4 weeks or more. The maximum dose is 80mg once a day Adjust dose at intervals of 4 weeks or more. The maximum dose is 80mg once a day Adjust 10mg tilm coated tablets once a day. A therapeutic response is evident within 2 weeks, and the maximum therapeutic response is usually achieved within 4 weeks. The response is maintained during chronic therapy. Meternazygous familial hyperchotoksteroleuks-Patients should be started with TRUVAF 10mg tilm coated tablets. Doses should be individualized and adjusted every 4 weeks to 40mg daily. Thereafter, either the dose may be increased to a maximum of 80mg daily or a bile acid sequestrant may be combined with 40mg atorvastatin once daily.

daily. Homozygous similial hypercholesterodemia: Only limited data is available. The dose of atorvastatin in patients with homozygous familial hypercholesterodemia is 10 to 80mg daily. Atorvastatin should be used as an adjunct to other lipid-lowering treatments (e.g. LDL apheresis) in these patients or if such treatments are unavailable. Perentinu of canditivascular disease: in the primary prevention trials the dose was 10mg/day. Higher doses may be necessary in order to attain (LDL) cholesterol levels according to current guidelines. Co-administration with other medicines: in patients taking the hepatitis C antiviral agents elbasvit/grazoprevir or letermovir for cytomegalovirus infection prophytaxis concomitantly with atorvastatin, the dose of atorvastatin should not exceed 20mg/day. Use of atorvastatin is not recommended in patients taking letermovir co-administered with orders or administration of the control of the con

with cyclosporin.
Renal Impairment: No adjustment of dose is required.
Hepatic Impairment: Atorvastatin is contraindicated in patients with active liver disease and should be used with caution in patients with hepatic impairment.
Elderly Patients: Elficacy and safety in patients older than 70 using recommended doses are similar to those seen in the general population.

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In previous servicement reactions: use snown only be carmed our op private as experience in the treatment or percurate, or percurate and potential shows the recommend on a regular basis to assess progress.

For padients with helenzygous familial hypercholesterolemia aged 10 years and above, the recommended starting dose of atorvastatin is 10mg per day which may be increased to 80mg daily, according to the response and tolerability. Doses should be individualized according to the recommended goal of therapy. Adjustments should be made at intervals of 4 weeks or more. The dose thration to 80mg daily is supported by study data in adults and by limited clinical data from studies in children with heterozygous familial hypercholesterolemia. Atorvastatin is not indicated in the treatment of patients below the age of 10 years.

Method of Administration: For oral administration. Dose to be given all at once, at any time of day, with or without food.

- CONTRAINDICATIONS: **TRUVA**TM is contraindicated in patients:

 1 With hypersensitivity to the active substance or to any of the excipients.

 1 With active liver disease or unexplained persistent elevations of serum transaminases exceeding 3 times the upper limit of normal.

 1 During pregnancy, while breast-feeding and in women of child-bearing potential not using appropriate contraceptive measures.

 1 Treated with the hepatitis C antivirals glecapreviariphrentasvir.

SPECIAL WARNINGS AND PRECAUTIONS FOR USE: Liver effects: Liver function tests should be performed before the initiation of treatment. Increase in transaminases of greater than 3 times the upper limit of normal (ULN) persist, reduction of dose or withdrawal of atorvastatin is recommended. Caution in patients who consume substantial quantities of alcohol and/or have a history of liver disease.

Stroke Prevention by Aggressive Reduction in Cholesterol Levels (SPARCL): The potential risk of hemorrhagic stroke should be carefully considered before initiating

treatment.

Skeletal muscle effects: In rare occasions affect the skeletal muscle and cause myalgia, myositis, and myopathy that may progress to rhabdomyolysis. Very rare reports of an immune-mediated necrotising myopathy (IMNM) during or after treatment with some status.

Before the treatment: Prescribed with caution in patients with pre-disposing factors for rhabdomyolysis. A CK level should be measured before starting statin treatment in the following statusions:

Renal impalment.

1 Hypothyroidism.

1 Personal or familial history of hereditary muscular disorders.

the following situations:

| Previous history of muscular toxicity with a statin or fibrate. | 1 Personal or familial history of hereditary muscular disorders. | 1 Pervious history of muscular toxicity with a statin or fibrate. | 1 Pervious history of muscular toxicity with a statin or fibrate. | 1 Pervious history of muscular toxicity with a statin or fibrate. | 1 Pervious history of muscular toxicity with a statin or fibrate. | 1 Pervious history of muscular toxicity with a statin or fibrate. | 1 Pervious history of muscular toxicity with a statin property of the presence of any plausible alternative cause of CK increase as this makes value interpretation difficul. If CK levels are significantly elevated at baseline (> 5 times ULN), levels should be re-measured within 5 to 7 days later to confirm the results. | Whilst on treatment: Patients must be asked to promptly report muscle pain, cramps, or weakness especially if accompanied by malaise or fever discontinue treatment if CK levels are found to be significantly elevated (> 5 times ULN), if symptoms resolve and CK levels return to normal, then re-introduction of atorvastatin initiate at lowest dose and with class enough of the promotion of a time of the promotion of a torvastatin initiate at lowest dose

and with close monitoring.

Concomitant treatment with other medicinal products: Risk of rhabdomyolysis is increased with medicinal products (e.g. cyclosporin, telithromycin, clarithromycin, delavirdine, stiripentol, ketoconazole, voriconazole, itraconazole, posaconazole, letermovir and HIV protease inhibitors including ritonavir, lopinavir, atazanavir, indinavir, darunavir, Concominant recuments with the concomazole, posaconazole, lefermovir and HIV protease inhibitors including mionavir, nopmavir, and activation and recommendation of the recommen

INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORMS OF INTERACTIONS: Effect of co-administered medicinal products on atorva

Concomitant administration of atorvastatin with other medicinal products that have a potential to induce myopathy, such as fibric acid derivates and exetimibe.

CYP3M inhibitors: Co-administration of potent CYP3A inhibitors (e.g. cycksporin, tellibromycin, delavifimonycin, dela

posaconazole, some antiwaks used in the treatment of HCV (e.g. ebasswirgazoprevir) and HIV protease inhibitors including fitonavir, topinavir, atazanavir, indinavir, darunavir, etc.) should be avoided if possible. Moderate CVP3A4 inhibitors (e.g. eythnomycin, diltazem, verapami, amiodarone and fluconazole) may increase plasma concentrations of atorvastatin. Clinical monitoring is recommended. Increase risk of myopathy has been observed.

CYP3A4 inhibitors: hibitoris or datorvastatin after administration of rifampin has been associated with a significant reduction in atorvastatin plasma concentrations. Transport inhibitors: hibitoris or transport proteins (e.g. cyclosporin, letermovir) can increase the systemic exposure. Dose reduction and clinical monitoring for efficacy is recommended. Not recommended in patients taking letermovir co-administered with cyclosporin.

Genulthrania! Whiter acid derivatives: The use of librates alone is occasionally associated with muscle related events, including rhabdomyolysis. The risk is increased with the concomitant use of fibric acid derivatives and atorvastatin. Patients should be appropriately monitored.

Zoctatible: The risk of muscle related events, including rhabdomyolysis may be increased. Appropriate clinical monitoring of these patients is recommended.

Zolestipole: Caution is advised, should be given alone.

Passidic acid: Il reatment with systemic insidic acid is necessary, atorvastatin treatment should be discontinued throughout the duration of the fusidic acid treatment. Calcitricite: Caution should be exercised when prescribing alorvastatin treatment should be discontinued throughout the duration of the fusidic acid treatment. Effect of atorvastatin on co-administered medicinal productics:

Digozula: Patients taking digoton, should be monitored appropriately.

Ural contraceptives: Co-administration of atorvastatin with an oral contraceptive produced increases in plasma concentrations of norethindrone and ethinyl oestradiol.

Warfaritz: Caution is advised in patient taking anticoagulants.

Paediatric Population: The extent of interactions in the paediatric population is not known. The above mentioned interactions for adults and the warnings should be taken into account for the paediatric population. DRUG INTERACTIONS: Effect of co-administered medicinal products on the pharmacokinetics of atorvastatin: DRUG MTERACTIONS: Effect of co-administered medicinal products on the pharmacokinetics of atorvastatin:

GeoapprevirPhorentssiv: Co-administration with products containing glecaprevir or pibrentasay is containdicated.

IlpransvirRitonavir, Felaprevir, & Cyclosyozini; Do not exceed 10mg atorvastatin daily. Clinical monitoring of these patients is recommended.

ElizastricTrazpravir-The dose of atorvastatin should not exceed a daily dose of 20mg.

LopinavirRitonavir, Elizatinonycin: Lower maintenance doses of atorvastatin are recommended, exceeding 20mg, clinical monitoring of these patients is recommended.

LopinavirRitonavir, DavinavirRitonavir, Intraconazole, Fessamprevanir, Elizanovir, Fessamprevanir, Clower maintenance doses of atorvastatin are recommended.

Leiermovir: The dose of atorvastatin should not exceed a daily dose of 20mg.

Ambidginic Cincetitine. Colescipol. Antació. Suspensis not finanguessium and aluminium hydraxides, & Elivitenz, Nellinavir. No specific recommendation.

Graperiul Luice-Lange quantities of grapefiul juice with atorvaststin is not recommended.

Elizanovir il Buliazem Gentilionavil, Fenolitarica, Boceprevir, Appropriate clinical monitoring of these patients is recommended.

Elythromycin: Lower dose and clinical monitoring of these patients is recommended. FERTILITY. PREGNANCY AND LACTATION: Fertility: In animal studies atorvastatin had no effect on male or female fertility.
Women of childbearing potential: Women of child-bearing potential: Mount of childbearing potential should use appropriate contraceptive measures during treatment.
Pregnancy: Anovastatin is containdicated during pregnancy. Safety in pregnant women has not been established. Atorvastatin should not be used in women who are pregnant trying to become pregnant or suspect they are pregnant. Treatment with atorvastatin should be suspended for the duration of pregnancy or until it has been determined that the woman is not pregnant.

Breastfeeding: it is unknown whether atorvastatin or its metabolites are excreted in human milk. Due to the potential for serious adverse reactions, women taking atorvastatin the woman is not pregnant.

Breastfeeding: It is unknown whether atorvastatin or its metabolites are excreted in human milk. Due to the potential for serious adverse reactions, women taking atorvastatin should not breast-feed their infants. Atorvastatin is contraindicated during breast-feeding. EFFECTS ON ABILITY TO DRIVE AND USE MACHINES: Atorvastatin has negligible influence on the ability to drive and use machines EFFECTS ON ABILITY TO DRIVE AND USE MACHINES: Atorvastatin has negligible influence on the ability to drive and use machines.

INDESIRABLE EFFECTS: The following presents the adverse reaction profile for atorvastatin; Infections and infestations: *Common masopharyngits**.

Both the profit of the OVERDOSE: Specific treatment is not available for atorvastatin overdose. Patient should be treated symptomatically and supportive measures instituted, as required. Liver function tests should be performed and serum CK levels should be monitored. PHARMACOLOGICAL PROPERTIES
PHARMACODYNAMICS PROPERTIES
PHARMACODYNAMICS PROPERTIES
PHARMACODYNAMICS PROPERTIES
Therapeutic Classification: Lipid modifying agents, HMG-CoA-reductase inhibitors
ATC code: C10A405
ATC code: C10A405
ACC code: C10A405 number of Disparses, nonvasional processes a processes and a second and a second particles.

Aborvastatis is effective in reducing IDI-C in patients with homozygous familial hypercholesterolemia, a population that has not usually responded to lipid-lowering medicinal products. Reductions in total-C, IDI-C, and apolipoprotein B have been proven to reduce risk for cardiovascular events and cardiovascular montally. products. Reductions in total-C, LĎI-C, and apolipoprotein B havé been proven fo reduce risk for cardiovascular events and cardiovascular mortality.

**PHARMACOKINETIC PROPERTIES: Absorption: Atorvastatin is rapidly absorbed after oral administration; maximum plasma concentrations (Cmm) occur within 1 to 2 hours. Extent of absorption increases in proportion to atorvastatin does. After oral administration, atorvastatin film coated tablets are 95% to 99% bioavailable compared to the oral solution.

**Distribution: Mean volume of distribution is approximately 381 L. Atorvastatin is ≥98% bound to plasma proteins.

**Biotransformation: Approximately 70% of circulating hibbitory activity for HMG-CoA reductase is attributed to active metabolites.

**Elimination: Atorvastatin is eliminated primarily in bile following hepatic and/or extrahepatic metabolism. Mean plasma elimination half-life of atorvastatin in humans is approximately 14 hours.

**Epical populations: a distribution of atorvastatin and its active metabolites are higher in healthy elderly subjects than in young adults while the lipid effects were comparable to those seen in younger patient populations.

**Pacellutric populations: Apparent oral clearance of atorvastatin in paediatric subjects subjects appeared similar to adults when scaled allometrically by body weight.

**Econder-Concentitations of atorvastatin and its active metabolites in women differ from those in men. These differences were of no clinical significance, resulting in no differences in lipid effects among men and women.

Revail Impairment.Plasma concentrations of atorvastatin and its active metabolites are markedly increased in patients with chronic alcoholic liver disease (Child-Pugh B).

IdentificationIdentification** STABILITY AVAILABILITY TRUVA[™] 10mg tablet in a pack of 10's TRUVA[™] tablet 20mg in a pack of 10's **ترووا**™ ٹیبٹ Dosage as advised by the physician.
To be sold on the prescription of registered medical practitioner.
Keep out of reach of children.
Avoid exposure to heat, light and humidity.
Store between 15 to 30°C.
Improper storage may determine the (ایٹورواسٹیٹن) Improper storage may deteriorate the medicine.
Store in the original package in order to protect from moisture. خوراک: ڈاکٹر کی ہدایت کےمطابق استعمال کریں۔ Full Prescribing Information available on www.samipharmapk.com

صرف رجیٹر ڈ ڈاکٹر کے نسخے کےمطابق فروخت کریں۔ بیوں کی پہنچ سے دور رکھیں۔ دواکودھوپ، گرمی اورخی ہے محفوظ ۱۵ ہے۔ ۳ ڈ گری پینٹی گریڈ کے در میان میں رکھیں ورنه دواخراب ہوجا ئیگی۔ دواکونی ہے محفوظ رکھنے کے لیے اسکی اصل پیکنگ میں رکھیں۔

Manufactured by: SAMI Pharmaceuticals (Pvt.) Ltd. F-95, S.I.T.E., Karachi-Pakistan SAMI Pharmace. F-95, S.I.T.E., Karachi-Pa www.samipharmapk.com Mfg Lic. No. 000072

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