Storvas Tablets (Atorvastatin Tablets)

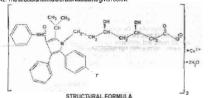
COMPOSITION
Storvas Tablets 10 mg
Each film coated tablet contains:
Atorvastatin Calcium
equivalent to Atorvastatin

Storvas Tablets 20 mg Each film coated tablet contains Atorvastatin Catcium equivalent to Atorvastatin 20 ma

DESCRIPTION'

DESCRIPTION

Storvas Tablets contain allorvastatin calcium. Atorvastatin is a synthetic lipid-lowering agent.
Atorvastatin is an inhibitor of 3-hydroxy-3-methyglutianyi-coenzyme A (HMG-CoA) reductase. This
enzyme catalyzes the conversion of HMG-CoA to mevalonate, an early and rate-limiting step in
cholestero biosynthesis. It is chemically designated as [R-[R^1, R^1]]-2(4-fluorophenyi)-B, dihydroxy5-(1-methylethyl)-3-phenyi-4-[phenylaminoicartonyl]-1H-pyrrole-1-heptanoic acid, calcium salt
(2-(1) thirtydrat. The molecular formula of atorvastatin is (G-Jh, FN,O,),Ca3H,O and molecular weight
is 1209.42. The structural formula of atorvastatin is given below.



ATORVASTATIN

Mechanism of Action
**Horwastatin is a selective, competitive inhibitor of HMG-CoA reductase, the rate-limiting enzyme that converts 3-hydroxy-3-methylglutaryl-coenzyme A to mevalionate, a precursor of sterois, including cholesterol. Chokesterol and triplycerides circulate in the bloodstream as part of lipoprotein complexes. With untrecentrifugation, these complexes separate into HDL (high-density lipoprotein). DL (intermediate-density lipoprotein), and VLDL (very-low-density lipoprotein) (DL proportion) and the plasma for delivery to peripheral tissues. LDL is formed from VLDL and is catabolized primarily through the high-affinity LDL receptor. Chinad and pathologic studies show that sevated plasma levels of total cholesterol (total-C), LDL-cholesterol (LDL-C), and apolipoprotein B (appe B) promotel human althereosterols and are risk factors for developing cardiovascular disease, while increased levels of HDL-C are associated with a decreased cardiovascular risk. In armain models, attensated in lowers plasma officiented and folipoprotein levels by hintibiting HMG-CoA reductase and childesterol synthesis in the liver and by increasing the number of hepsite LDL receptors. China density and the cell-surface to enhance uptake and catabolism of LDL; althougasting also predictions. Due to the control of the cell surface to enhance uptake and catabolism of LDL; althougasting also predictions. Available of enhance levels of total-C, LDL-C, and app 5 (LDL-C, and app 6).

homozygous familial hypercholesterolemia (FH), a population that rarely responds to other hipotovering medication(s).

A variety of clinical studies have demonstrated that elevated levals of total-C, LDL-C, and apo B (a membrase complex fix LDL-C) paramote human atherosolerosis. Smillarly, deceased (syells of HDL-C gand its present properties). The properties of the complex fix LDL-C paramote human atherosolerosis. Smillarly, deceased (syells of HDL-C gand its present properties). Epidemiologic investigations have established that cardiovascular morbidity and mortality vary directly with the New local Intel® and LDL-C and raps B in patients with homozygous and heteracygous FH, condamiliat fromos othypercholerolemia, and mixed dyslipidemia. Abrovastatin reduces to a condamiliat from soft hypercholerolemia, and mixed dyslipidemia. Abrovastatin reduces intermediate density inportolem A-1. Abrovastatin reduces total-C, LDL-C, VLDL-C, and po B, TG, and non-HDL-C, and increases HDL-C in patients with isolated hypertriglyconfidemia. Abrovastatin reduces intermediate density inportolem College of the Colleg

PharmacoAlinetics
Atomastain is rapidly absorbed after oral administration, maximum plasma concentrations occur
within 1 to 2 hours. Extent of absorption increases in proportion to atomastain dose. The absolute
bineveilability of aforwatatin ipazeof drug is approximately 18% and the systemic availability of
HMG-GOA noticease inhibitory activity is approximately 18%. The low systemic availability is
attributed to presystemic clearance in gestvointestinet immoss and/or hepatic first-pass metabolism.
HMG-GOA noticease with the case of extend of drug absorption by approximately 25% and 9%,
respectively, as assessed by C_{a.} and AUC; CDL-C reduction is similar whether atemastatis is given
without without flood. Plasma attributed non-compared with immorring. (Rigueses (LDL-C pelluction is
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Special Progratations:
Geriatric: Plessna concentrationscrife/forwastatin.euwhigher (approximately 40% for C., and 30% for AUC) in healthystikaritystigle cits (age 265 years) than invastragat fulls. Clinical data suggest a greater degree of LDL-lewering at any dose of drug in the elderty-prefix nippopulation-pampared to younger

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 Storvas, Dillets ((Monwalstan Calcium,Taihets) are indicated:

 1. Ascansaguint bodiet to reduce elevated total-C, LDL-C, apo B, and TG levels and to increase

 HELL-Cliniquaterisis with ppinmary hypercholesterolemia (heterozygous familializantingminamiliar)

 and moro/Lyciplindering Fredrickson Types (Izand IIb),

 Neamadjunist to dief for the treatment of palientis with elevated serum TG levelsis (Fredrickson

 Types (IV).
- Meantanguran voluments with primary dysbetal/popodeiremin (freethickson Type: II)) who do follow treatment of patients with primary dysbetal/popodeiremin (freethickson Type: II)) who do

not respond adequately to diet; To reduce total-C and LDL-C in patients with homozygous familial hypercholesterolemia as an adjunct to other lipid-lowering treatments (e.g. LDL apheresis) or if such treatments are

adjunct to other lipid-lowering treatments (e.g. LIDL apheressis) or if such treatments are unavailables.

5. As an adjunct to diet to reduce total-C, LDL-C, and apo B levels in boys and postmenarchal girls, 10 to 17 years of age, with heterozygous familial hypercholesterolemia if after an adequate trial of diet therapy the following findings are present:
a. LDL-C remains ≥ 160 mg/dL or
b. LDL-C remains ≥ 160 mg/dL and:
There is a possitive family history of premature cardiovascular disease or
Two or more other CVD risk factors are present in the pediatric patient
Therapy with lipid-altering agents should be a component of multiple-risk-factor intervention in individuals at increased risk for atherosclerotic vascular disease due to hypercholesterolemia. Lipid-altering agents should be used in addition to a diet restricted in saturated falt and cholesterol only when the response to diet and other nonpharmacological measures has been inadequate (see National Cholesterol Education Program (NCEP) Guidelines, summarzed in the table below).

Table NCEP Treatment Guidelines: LDL-C Goals and Cutpoints for Therapeutic Lifestyle Changes and Drug Therapy in Different Risk Categories
Risk Categories J LDL Level at Which to initiate — LDL-Level at Which to

Risk Category	LDL Goal (mg/dL)	LDL Level at Which to Initiate Therapeutic Lifestyle Changes (mg/dL)	LDL Level at Which to Consider Drug Therapy (mg/dL)	
CHD† or CHD risk equivalents (10-year risk >20%)	<100	≥100	≥130 (100-129: drug optional)†*	
2* Risk factors (10 year risk ≥20%)	<130	≥130	10-year risk 10-20% ≥130 10-year risk <10%: ≥ 160	
0-1 Risk factorfff	<160	≥160	≥190 (160-189: LDL-lowering drug optional)	

† CHD, coronary heart disease
†† Some authorities recommend use of LDL-lowering drugs in this category if an LDL-C level of
<100 mg/dL cannot be achieved by therapeutic lifestyle changes. Others prefer use of drugs that
primarily modify triglycendes and HDL-0, e.g. nicotinic acid of fibrate. Clinical judgment also may
call for deferming drug therapy in this succategory
††† Almost all people with 0-1 risk factor have a 10-year risk <10%; thus, 10-year risk assessment

THY Almost all people with 0-1 risk factor have a 10-year risk <10%; thus, 10-year risk assessment in people with 0-1 risk factor have a 10-year risk <10%; thus, 10-year risk assessment in people with 0-1 risk factor is not necessary.

After the LDLC goal has been achieved, if the TG is still ≥200 mg/dL, non-HDL-C (total-C minus HDL-C) becomes a secondary farget of therapy. Non-HDL-C goals are set 30 mg/dL higher than LDL-C goals for each risk category.

Prior to initiating therapy with atorvastatin, secondary causes for hypercholesterolemia; e.g. poorly controlled distateds mellitus. hypothyroidism, nephrodic syndrome, dysproteinemias, obstructive liver disease, other drug therapy, and alcoholism) should be excluded, and a hipd profile performed to measure total-C, LDL-C, HDL-C, and TG. For patients with TG <400 mg/dL (2-5 mmol/L), LDL-C can dTG. For patients with TG <400 mg/dL (2-5 mmol/L), LDL-C can dTG. For patients with TG <400 mg/dL (2-5 mmol/L), LDL-C can dTG. For patients with TG <400 mg/dL (2-5 mmol/L), LDL-C can be estimated using the following equation: LDL-C = total-C - (0.20 x TG) + HDL-C). For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can be estimated using the following equation: LDL-C = total-C - (0.20 x TG) + HDL-C). For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG levels >400 mg/dL (2-5 mmol/L), LDL-C can dTG. For TG. For TG.

Category	Total-C (mg/dL)	LDL-C (mg/dL)	
Acceptable		<110	
Borderline		110-129	
High	>200	>130	

The patient should be placed on a standard cholesterol-lowering diet before receiving. Storvas Tablets (Altorvastatio Calcium Tablets) and should continue on this diet during treatment with Storvas Tablets (Altorvastatio Calcium Tablets) and should continue on this diet during treatment with Storvas Tablets (Altorvastatio Calcium Tablets). Figure of the Calcium Tablets (Prodickeon Types Ill and Ill). The recommended stating dose of Storvas Tablets (Altorvastatio Calcium Tablets) is 10 or 20 mg once daily. Patients who require a large reduction In U.D. 4. (Innove than 45%) may be started at 40 mg once daily. The dosage range of Storvas Tablets (Altorvastatio Calcium Tablets) is 10 to 80 mg once daily. Storvas Tablets (Altorvastatio Calcium Tablets) can be administered as a single dose at any time of the day, with or without food. The stading dose and maintenance doses of Storvas Tablets (Altorvastatio Calcium Tablets) candid the individualized according to patient characteristics such as goal of therapy and response (see NCEP Guidelines). Alter infinistion and/or upon titration of Storvas Tablets (Altorvastatio Calcium Tablets), lipidilevels should be analyzed within 2 to 4 weeks and dosage adjusted accordingly.

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Group Biological Control of Specific Spe

rineate that assess treatment response, only in CDV. Organs are you wanter, excount ordan to exceed annothal thistory. Particle organisms are provided by the particle of the provided of the particle of the

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be made all riferatis of 4 weeks or more
thromograpus Familial Hypercholesterolemia
The desege & Sicrovas Tablets (Alorvastain Calcium Tablets) in patients with homozygous FH is 10 to
80 mg daily Sicrovas Tablets (Alorvastain Calcium Tablets) should be used as an adjunct to other
ignid-overing freatments (e.g. LDL apheresis) in these patients or if such treatments are unavailable.
Concomitant Therapy
Storvas Tablets (Morvastain Calcium Tablets) may be used in combination with a bile acid binding
sessin für additive effect. The combination of HMG-COA reductase inhibitors and fibrates should
generally bearvorde.
Desage in Patients With Renal Insufficiency
Permai disease-dioss not allest the plasma cynocertrations nor LIDIL-C reduction of altonustistin; thus,
dosage adjunction in patients with menal cyslundorship proteorosam,
"Mational Gridassiana Education Program (NCEP)" Prigninghia on the Report of the Expert Panel on
Blood Cholesterot Levels in Children Addiescents, Pedainos, 89(3) 495-501 1992.

PRECAUTIONS 1.2

General

Boreral

Bor

investigated. Long term effects on cognitive development, growth and pubertal maturation are unknown.

Long term effects on cognitive development, growth and puberial maturation are unknown.

* Wasalings
Einem_Dysfunction
HtriG-Cox reductase inhibitors, like some other lipid-lowering therapies, have been associated with biochemical allabamentalities of likeer flunction. Persistent elevations (>3 times (the jupper limit of marmal [ULN] poceuring on 2 ommoreoccasions) in serum transaminases occurred in 0.7% of galaiants who recedited allary asstablatin incidirical trials. The incidence of these abnormalities was 0.2%, 0.8%, antiz 33/40/cor(10,20/40) and 80 mg, respectively.

One patient in climical trials developed jaundice, increases in liver function tests (LFT) in other patients were not associated with jaundice or other clinical signs or symptoms. Upon dose reduction, drug interruption, or discontinuation, transaminase levels returned to or near pretreatment levels without sequelae. Eighteen of 30 patients with persistent LFT elevations continued treatment with a reduced dose of aborvastatin

It is recommended that liver function tests be performed prior to and at 12 weeks following both the initiation of therapy and any elevation of dose, and periodically (e.g. semiannually) thereafter. Liver enzyme changes generally occur in the first 3 months of treatment with atorvastatin. Patients who develop increased transaminase levels should be monitored until the abnormalities resolves. Should an increase in ALT or AST of >3 times ULN persist, reduction of dose or withdrawal of atorvastatin is recommended.

Atorvastatin should be used with caution in patients who consume substantial quantities of alcohol and/or have a history of liver disease. Active liver disease or unexplained persistent transaminase elevations are contraindications to the use of atorvastatin (see CONTRAINDICATIONS). Skeletal Muscle.

elevations are contraindications to the use of atorvastatin (see CONTRAINDICATIONS).

Keletal filtuscia.

Rare cases of rhabdomyolysis with soute renal failure secondary to myoglobinuria have been reported with atorvastatin and with other drugs in this class.

Uncomplicated mystigh has been reported in atorvastatin-reased patients. Myopathy, defined as muscle aches or muscle weakness in conjunction with increases in creatine phosphokinase (CPK) values >10 times LIM. should be considered in any patient with diffuse mystighs, muscle tenderness or weakness, and/or marked elevation of CPK. Patients should be advised to report promptly unexplained muscle pain, incremess or weakness, particularly it accompanied by malaise or lever. Altorvastatin therapy should be discontinued if markedly elevated CPK levels occur or myopathy is diagnosed or suspected.

The risk of myopathy during treatment with drugs in this class is increased with concurrent administration of cyclosponine, fibric acid derivatives, enthromycin, niacin, or azole antifungals. Physicians considering combined therapy with atorvastatin and fibric acid derivatives, erythromycin, immunosuppressed drugs, azole antifungals, erit placifications of carbon and car

- Contraindications
- Storvas Tablets (Atorvastatin Calcium Tablets) are contraindicated in following conditions:
- Active liver disease or unavplained persistant elevations of serum transaminases.
- Hypersensethyly is ently component of this medications process and discontinuation of lipid-lowering drugs during pregnancy should have little impact on the outcome of long-term therepy of primary hyperboloselerolemia. Cholesterol and other products of cholesterol biosynthesis are resential components for teal development (including synthesis of steroids and cellmenthisanes). Since HMG-CAA reductase inhibitors decrease cholesterol synthesis and possibly the synthesis of other bologically active substances derived from cholesterol, they may eause fetal harm when administered to pregnant women. Therefore, HMG-CoA reductase inhibitors are contraindicated during pregnancy and in mursing mothers. ATORVASTATIN SHOULD BE ADMINISTERED TO WOMEN OF CHILDBEARING AGE ONLY WHEN SUCH PATIENTS ARE HIGHLY UNLIKELY TO CONCEIVE AND HAVE BEEN INFORMED OF THE POTENTIAL HAZARDS. If the patient becomes pregnant while taking this dary, therapy should be discontinued and the patient apprised of the potential hazard to the fetus.

• Pregnancy / Regnancy / Regna

multiples of about 30 times (rat) or 20 times (rabbit) the human exposure based on surface area (mgim').

In a study in rats given 20, 100, or 225 mg/kg/day, from gestation day 7 through to lactation day 21 (wearing), there was decreased pure sur/val at birth, neonate, wearing, and maturity in pups of mothers of dosed with 225 mg/kg/day. Body weight was decreased on days 4 and 21 in pups of mothers dosed at 100 mg/kg/day pup body weight was decreased at birth and at days 4, 21, and 91 at 225 mg/kg/day; pup body weight was decreased at birth and at days 4, 21, and 91 at 225 mg/kg/day; pinnae detachment and eye opening at 225 mg/kg/day and acousties startle at 225 mg/kg/day; pinnae detachment and eye opening at 225 mg/kg/day). These doses coresond to 6 times (100 mg/kg) and 22 times (225 mg/kg) the human AUC at 80 mg/day. Rar reports of congential anomalies have been received following intrauterine exposure to HMG-CoA reductase inhibitors. There has been one report of severe congenital bony deformity, trache-esophagear listula, and anal atresia (VATER association) in a baby born to a woman who took ovastalin with dextroamphetarimus eutilate during the first trimester of pregnancy. Abornastatiis should be administered to women of child-bearing potential only when such patients are highly unlikely to conceive and have been informed of the potential hazards. If the woman becomes pregnant while taking atomastatian, it should be discontinued and the patient advised again as to the potential hazards to the fetus.

Lactation
 Mursing rat pups had plasma and liver drug levels of 50% and 40%, respectively, of that in their mother's milk. Because of the potential for adverse reactions in nursing infants, women taking alturyastatin'should not breast-feed (see CONTRAINDICATIONS).

• Padiatric Safety and effectiveness in patients 10-17 years of age with heterozygous familial hypercholesterolemia have been evaluated in a controlled clinical trial of 6 months duration in adolescent boys and postmenarchel girls. Patients treated with placebo, the most common adolescent boys and postmenarchel girls. Patients treated with placebo, the most common adverse experiences observed in both groups, regardless of causeity assessment, were indections. Doses greater than 20 mg have not been studied in this patient population. In this limited controlled study, there was no detactable effect on growth or sexual maturation in boys or on menstrual cycle length in girls. Adolescent females should be counseled on appropriate contraceptive methods while on atomistation therapy. Altomistation has not been studied in controlled clinical trials involving prepuberfal patients or patients younger than 10 years of age.
Clinical efficacy with doses up to 80 mg/dg/d for 1 year have been evaluated in an uncontrolled study of patients with homozygous FH including 8 pediatric patients.

Geriatric

Gerlatric
The safety and efficacy of atorvastatin (10-80 mg) in the geriatric population (65 years of age) was
evaluated in a study. In this 54-week open-label trial 1,958 patients initiated therapy with atorvastatin
10 mg. 07 these, 855 were elderly (65 years) and 1,123 were non-elderly. The mean change in LD.-C
from baseline after 6 weeks of treatment with atorvastatin 10 mg was 3.82% in the elderly patients
versus 94.0% in the non-elderly group.
The rates of forson/instation due to adverse events were similar between the two age groups. There
were no differences in clinically relevant laboratory abnormalifies between the age groups.

The rates of discontinuation due to adverse events were similar between the wo age groups. There were no differences in clinically relevant laboratory abnormalises between the age groups.

• Orug Interactions

The risk of myopathy during treatment with other drugs in this class is increased with concurrent administration of cyclospornie, fibric acid derivatives, erythromytin, azole antifungals, or rialcin. This increase in risk may also occur when combining these drugs with altorastatin.

Phenazone fantipyrine) is a non-specific model for evaluation of drug metabolism by the hepatic microsomal enzyme system. Administration of multiple doses of atorastatin with phenazone showed fittle or no detectable effect on the pharmacoknetics of phenazone in the clearance of phenazone but the formation clearance of 4-hydroxyphenazone increased by 20% and that of norphenazone by 6%).

More specific in vitro studies using human hepatic microsomes and cells expressing human cytochrone P450 savgmes show that atorastatin, like other HIMC-OAA reductase inhibitors is metabolized by cytochrone P450 3A4 indicating the possibility of an interaction with drugs also metabolized by this isozyme. When combining atorastatin with other drugs which are the substrate of this isozyme (e.g., immunomodulators, many antiarrhythmic agents, some calcium channel antagonists and some baracodiazepines) be possibility of a change in the plasma drug levels of either drug should be considered. In dirincal studies in which atoryosatatin was administered with enablizors of the propagation of the propagation

Macrolide antibodics.

Forthromyon, Golarithromycin: Coadministration of atorvastatin and erythromyon (500 mg QID), or clarithromycin (500 mg BID), known inhibitors of cytochrome P450 3A4, were associated with higher plasma concentrations of atorvastatin.

Aziltromycin: Coadministration of atorvastatin (10 mg OD) and azithromycin (500 mg OD) did not atler the plasma concentrations of atorvastatin with an oral contraceptive containing norethisterone and ethinyl estrated produce for atorvastatin with an oral contraceptive containing norethisterone and ethinyl estratioil, produced increases in plasma concentrations of norethisterone and ethinyl estratioil. These increased concentrations should be considered when selecting oral contraceptive.

and ethinyl estradiol. These increased concentrations should be considered when experience of contaceptive closes.

Amicolipine: Alcovastatin pharmacokinetics were not altered by the coadministration of atorvastatin 80 mg and amicolipine 10 mg at steady state.

80 mg and amicolipine 10 mg at steady state.

80 mg and amicolipine 10 mg at steady state.

80 mg and amicolipine 10 mg at steady state.

80 mg and amicolipine 10 mg at steady state.

80 mg and amicolipine 10 mg at steady state when a storvastatin were lower (approximately 25%) when colestipoly was administeration of atorvastatin. However, lipid effects were greater when atorvastatin and colestipol were administeration of atorvastatin with an oral antacid suspension containing magnesium and aluminum hydroxides decreased atorvastatin plasma concentrations approximately 35%; however, LDIC reduction was not altered.

Nevertheless, patients receiving warfarin should be closely monitored when atorvastatin is added to their therapy Neverturierss, pulsaries of the therapy of their their therapy of their t

was seen. dearnous one or more components that inhibit CYP3A4 and can increase plasma concentrations of drugs metabolized by CYP3A4, Intake of one 240 mt glass of grapefruit juice resulted in an increase in atorvastatin AUC of 37 % and a decreased AUC of 20.4 % for the active ortho-hydroxy metabolite. However, large quantities of grapefruit juice (over 1.2 Laily for 5 days) increased AUC of atorvastatin 2.5 fold and AUC of active (atorvastatin and metabolites) HMG-CoA reductase inhibitors 1.3 fold. Concomitant intake of large quantities of grapefruit juice and atorvastatin is therefore not recommended.

recommended. Profease inhibitors. Co-administration of atorvastatin and protease inhibitors, known inhibitors of cytochrome P450 3.44, was associated with an approximately two-fold increase in plasma concentrations of atorvastatin. Consideration should be given to starting atorvastatin at a lower dose when co-administered with a protease inhibitor.

• Carcinogenicity/ Mutagenicity/ Impairment of Fertility
In a 2-year carcinogenicity study in rats at dose levels of 10, 30 and 100 mg/kg/day, 2 rare tumors were found in muscle in high-dose females: in one, there was a ribbodomyosarcoma and, in another, there was a fibrosarcoma. This dose represents a plasma AUC_{max} value of approximately 16 times the mean human plasma drug exposure after an 80 mg oral dose.
A 2-year carcinogenicity study in mise given 100, 200, or 400 mg/kg/day resulted in a significant increase in liver adenomas in high-dose males and liver carcinomas in high-dose females. These findings occurred at plasma AUC_{max} values of approximately 6 times the mean human plasma drug exposure after an 80 mg oral dose.

findings occurred at plasma AUC as values of approximately 6 times the mean human plasma drug exposure after an 80 mg oral dose. In vitiro, atorvastatin was not mutagenic or classtogenic in the following tests with and without metabolic activation: the Ames test with Salmoneila typhilmurlum and Escherichia colit, the HGPRT forward mutation assay in Chinese hamster lung cells. Atorvastatin was negative in the *in wov* mouse micronucleus test. Studies in rats performed at doses up to 175 mg/kg (15 times the human exposure) produced no changes in fertility. There was aplasia and aspermia in the epididymis of 2 of 10 rats treated with 100 mg/kg/day of atorvastatin for months (16 times the human Atto. at the 80 mg dose); lests weights were significantly lower at 30 and 100 mg/kg and epididymal weight was lower at 100 mg/kg. Male rats given 100 mg/kg/day for 11 weeks pror to mating had decreased sperm molitility, spermatid head concentration, and increased abnormal sperm. Atorvastatin caused no adverse effects on series near parameters, or reproductive organ histopathology in doss given doses of 10, 40, or 120 mg/kg for two years.

Adverse reactions
 Atorvastatin is generally well tolerated. Adverse reactions have usually been mild and transient. In controlled clinical studies of 2502 patients, <2% of patients were discontinued due to adverse experiences attributable to atorvastatin. The most frequent adverse events thought to be related to atorvastatin were consipation, flatulence, dyspepsia and abdominal pain.</p>

Clinical Adverse Experiences Clinical Adverse Experiences
Adverse experiences reported in ≥2% of patients in placebo-controlled clinical studies of atorvastatin, regardless of causality assessment, are shown in the table below
Table. Adverse Events in Placebo-Controlled Studies (% of Patients)

Body System/Adverse Event	Placebo (N = 270)	Atorvastatin 10 mg (N = 863)	Atorvastatin 20 mg (N = 36)	Atorvastatin 40 mg (N = 79)	Atorvastatin 80 mg (N = 94)
Body As a Whole	A collect	S SCHOOL STREET		3.1	
Infection	10.0	10.3	2.8	10.1	7.4
Headache	7.0	5.4	16.7	2.5	6.4
Accidental Injury	3.7	4.2	0.0	1.3 mun	3.2
Flu Syndrome	1.9	2.2	0.0	2.5	3.2
Abdominal Pain	0.7	2.8	0.0	3.8	2.1
Back Pain	3.0	2.8	0.0	3.8	1.1
Allergic Reaction	2.6	0.9	2.8	1.3	0.0
Asthenia	1.9	2.2	0.0	3.8	0.0
Digestive System					
Constipation	1.8	2.1	0.0	2.5	1.1
Diarrhea	1.5	2.7	0.0	3.8	5.3
Dyspepsia	4.1	2.3	2.8	1.3	2.1
Flatulence	3.3	2.1	2.8	1.3	1.1
Respiratory System					
Sinusitis	2.6	2.8	0.0	2.5	6.4
Pharyngitis	1.5	2.5	0.0	1.3	2.1
Skin and Appendages					
Rash	0.7	3.9	2.8	3.8	1.1
Musculoskeletal System					
Arthralgia	1.5	2.0	0.0	5.1	0.0
Myalgia	1.1	3.2	5.6	1.3	0.0

In a study involving 10,305 participants treated with atorvastatin 10 mg daily (n=5,168) or placebo (n=5,137), the safety and tolerability profile of the group treated with atorvastatin was comparable to that of the group treated with placebo during a median of 3,3 years of follow-up.

In another study involving 2383 subjects with lyge 2 diabetes treated with atorvastatin 10 mg daily (n=1428) or placebo (n=1410), there was no difference in the overall frequency of adverse events overance across adverse events between the treatment groups during a median follow-up of 3,9 years. No cases of frlabdomyolysis were reported.

The following adverse events were reported, regardless of causality assessment in patients treated with atorvastatin in clinical trais. The events in italics occurred in ≥2% of patients and the events in plaintype occurred in <2% or patients.

Body as a Whole: Chest pain, face edema, fever, neck rigidity, malaise, photosensitivity reaction, operatized defena.

Digestive System: Nausea, gastroenteritis, liver function tests abnormat, colliss, vomiting, gastritis, dry mouth, rectal the morrhage, espongalis, evurlation, glossitis, mouth ulceration, annexua, increased appetite, stomatitis, bilary pain, chelitis, duodenal ulcer, dysphagia, enteritis, melena, gum hemorrhage, stomach ulcer, tensmus, ulcerative stomatitis, hepatitis, pencreatitis, cholestatic jaundice.

Ibilitarinage, akmasu vosti.

Raspiralory System: Bronchitis, rhinilis, pneumonia, dyspnea, asthma, epistaxis.

Raspiralory System: Insomma, dizziness, paresthesia, somnolence, amnesia, abnormal dreams, libido decreased, emotional lability, incoordination, peripheral neuropathy, toticollis, facial paralysis, hyperforiesia, depression, hyperstonia, Musculoskeletal System: Arthritis, leg cramps, bursilis, tenosynovitis, myasthenia, tendinous

hyperkinesia, depression, hypesthesia, hypertonia. Musculoskeldis System: Arthitis, leg cramps, bursitis, tenosynovitis, myasthenia, tendinous contracture, myositis. Skin and Appendages: Pruritus, contact dermatitis, alopecia, dry skin, sweating, acne, urticaria, eczema, seborthea, skin uloce. Urogenial System: Unnary tract infection, hematuria, albuminuria, urinary frequency, cystitis, impotence, dysuna, kidney calculus, nocturia, epididymitis, fibrocystic breast, vaginal hemorrhage, breast entargement, metorrhagia, nephritis, urinary incontinence, urinary retention, urinary urgency, abnormal ejaculation, utarine hemorrhage. Special Senses & Mahbopoja, timitus, dry eyes, refraction disorder, eye hemorrhage, deafness, Special Senses & Mahbopoja, timitus, dry eyes, refraction disorder, eye hemorrhage, deafness, special Senses & Mahbopoja, timitus, dry eyes, refraction disorder, eye hemorrhage, glaucoma, parosmia, taste loss, taste perversion. Cardiovascular System: Pachitation, vasioditation, synocpe, migraine, postural hypotension, phlebitis, arrhythmia, angina pectoris, hypertension. Metabolic and Multinional Disorders: Peripherale dema, hyperglycemia, creatine phosphokinase increased, gout, weight pain, hypoglycemia. Perinaria endeman deman dem

OVERDOSAGE 1.2

OVERUDARISE:
There is no specific treatment for alcovastatin overdosage. In the event of an overdose, the patient should be treated symptomatically, and supportive measures instituted as required. Due to extensive drug binding to plasma proteins, hemodialysis is not expected to significantly enhance atorvastatin

STORAGE Store below 25°C, protected from moisture.

KEEP ALL MEDICINES OUT OF REACH OF CHILDREN

Storvas Tablets 10mg: Strip pack of 10's. Storvas Tablets 20mg: Strip pack of 10's.

REFERENCE

ENENCE
US Prescribing information of LIPITOR", Pfizer Ireland Pharmaceuticals, September 2005.
ABPI Compendium of Data Sheets and Summary of Product Characteristics; LIPITOR" 10 mg, 20 mg, 40 mg, 80 mg Tablets Pfizer Ireland Pharmaceuticals, March 2005.

Information compiled in January 2006.

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