For the use only of a Registered Medical Practitioner or a Hospital or a Laboratory



Telmisartan Tablets USP 20mg/40mg/80mg

MACSART 20/40/80

COMPOSITION
Each uncoated tablet contains:
Telmisartan USP 20mg/40mg/80mg

DESCRIPTION

Telmisartan is a non-peptide angiotensin il receptor (type AT1) antagonist. It is chemically described as 41-[(1,41-dimethyl-2-proyli2,61-bi-1Hbenzi midazolj-11-yl)methyll[1,11-biphenyl]-2 carboxylic acid. Its empirical formula is C_nH_nN₁O_n, its molecular weight is 514,63.

PHARMACOLOGICAL CLASSIFICATION AngiotensinII receptor (type AT1) antagonist

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PHARMACOLOGICAL ACTION:
Pharmacodynamics

Meterical Actions:
Meteric

Distribution Filmisarian is highly bound to plasma proteins (> 99.5%), mainly albuminand d1-acid glycoprotein. Plasma protein binding is constant over the concentration range achieved with recommended doses. The volume of distribution for tethisiarant is approximately \$00 liters indicating additional tissue binding.

Refinesiation is epipocentically occurred to the control of the composition of the composition of the parent compound is the only metabolite that has been identified in human plasma and urine. After a single dose, the parent compound is the only metabolite that has been identified in human plasma and urine. After a single dose, the parent compound is the only metabolite that has been identified in human plasma. The cytochrome P450 isoenzymes are not involved in the metabolism of telmisartan. Filmination

are not involved in the metabonism of terminisation of "C-labeled telminisation." Elliministion Following either intravenous or oral administration of "C-labeled telminisation, most of the administered dose (>97%) was eliminated unchanged in feces via biliaryexcretion; only minute amounts were found in the urine (0.91%, and 0.49% of total radioactivity, respectively). Total plasma clearance of telminisatian is > 800 mL/min, Terminal half-life and total clearance appears to be independent of dose.

INDICATIONS AND USAGE

Hypertransian and other hypertransian in the state of the treatment of hypertransian, to lower blood pressure.

Cardiovascular Risk Reduction

It is indicated for reduction of the risk of myocardial infarction, stroke, or death from cardiovascular causes in patients 55 years of age or older at high risk of developing major cardiovascular events who are unable to take ACE inhibitors.

DOSAGE
Hypertension
Dosage must be individualized.
The usual starting dose of Telmisartan tablets is 40 mg once a day, Blood pressure response is dose-related over the range of 2016 00 mg.

The usual statistic uses to items and assess that such a cange of 20 to 90 mg.

Most of the antihypertensive effect is apparent within 2 weeks and maximal reduction is generally attained after 4 works. We are additional blood pressure reduction beyond that achieved with 80 mg Talmisantan is required, a diuretic value of the properties of the properties

monitored. Talmisartan tablets may be administered with other antihypertensive agents. Telmisartan tablets may be administered with or without food. It is demanded to the common talmister of the c

CONTRAINDICATIONS
It is contraindicated in patients with known hypersensitivity (e.g.anaphylaxis or angioedema) to telmisartan or any other component of this product. Do not co-administer allskiren with telmisartan in patients with diabetes,

ADVERSE REACTION

Adverse reactions have been ranked under headings of frequency using the following convention: very common (≥ 1/100 to < 1/10); uncommon (≥ 1/100 to < 1/100); uncommon (≥ 1/100); uncommon

Infections and infestations	
Uncommon:	Urinary tract infection including cystitis, upper respirator tract infection including pharyngitis and sinusitis
Rare:	Sepsis including fatal outcome
Blood and the lymphatic system	disorders
Uncommon:	Anaemia
Rare:	Eosinophilia , thrombocytopenia
Immune system disorders	
Rare:	Anaphylactic reaction , hypersensitivity
Metabolism and nutrition disorde	
Uncommon:	Hyperkalaemia
Rare:	Hypoglycaemia (in diabetic patients)
Psychiatric disorders	
Uncommon:	Insomnia, depression
Rare:	Anxiety
Nervous system disorders	
Uncommon:	Syncope
Rare:	Somnolence
Eye disorders	
Rare:	Visual disturbance
Ear and labyrinth disorders	
Uncommon:	Vertigo
Cardiac disorders	
Uncommon:	Bradycardia
Rare:	Tachycardia
Vascular disorders	· ·
Uncommon:	Hypotension ² , orthostatic hypotension
Respiratory, thoracic and media	stinal disorders
Uncommon:	Dyspnoea, cough
Very rare:	Interstitial lung disease
Gastrointestinal disorders	
Uncommon: Rare:	Abdominal pain, diarrhoea, dyspepsia, flatulence, vomit Dry mouth, stomach discomfort, dysgeusia
Hepatobiliary disorders	•
Rare:	Hepatic function abnormal/liver disorder

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Uncommon:	Pruritus, hyperhidrosis, rash
Rare:	Angioedema (also with fatal outcome), eczema, erythema urticaria, drug eruption, toxic skin eruption
Muscoloskeletal and connective ti	ssue disorders
Uncommon:	Back pain (e.g. sciatica), muscle spasms, myalgia
Rare:	Arthralgia, pain in extremity, tendon pain (tendinitis like symptoms)
Renal and urinary disorders	
Uncommon:	Renal impairment including acute renal failure
General disorders and administra	ion site conditions
Uncommon:	Chest pain, asthenia (weakness)
Rare:	Influenza-like illness
Investigations	
Uncommon:	Blood creatinine increased
Rare:	Haemoglobin decreased, blood uric acid increased, hepat enzyme increased, blood creatine phosphokinase increase

DRUG INTERACTIONS

Allskiren: Do not co-administer allskiren with Telmisartan in patients with diabetes, Avoid use of allskiren with Telmisartan patients with renal impairment (GFR < 60 mL/min),

Digoxin: When Telmisartan was co-administered with digoxin, median increases in digoxin peak plasma concentration (49%) and in tought occentration (20%) were observed. Therefore, monitor digoxin levels when initiating, adjusting, and discontinuing telmisartan for the purpose of keeping the digoxin level within the therapeutic ranno.

concentration (49%) and in trough concentration (20%) were observed. Therefore, monitor digorin levels when intelling, and discontinuing telimistant for the purpose of keeping the digorin level within the therapeutic range.

Lithium: Reversible increases in surum. Illiturnooncentrations and toxicity have been reported during concomitant administration of lithium with angiotersin II receptor analogistis including TELMSARTAN. Therefore, monitor serum of the contraction of the contracti

WARNINGS & PRECAUTIONS

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Hypotension
In patients with an activated renin-angiotensin system, such as volume-or sall-depleted patients (e.g., those being
treated with high doses of distretics), symptomatic hypotension may occur after initiation of therapy with Talmisantan.
Either correct this condition prior to administration of Telmisantan, or start treatment under close medical supervision
with areduced dose occur, the patient should be placed in the supine position and, if necessary, given an intravenous
if hypotension dose occur, the patient should be placed in the supine position and, if necessary, given an intravenous
can be continued without difficulty once the loop pressure has stabilized.
Hyperkalemia
Hyperkalemia

Hyperfalemia may occur in patients on ARBs, particularly in patients with advanced renal impairment, heart failure, on renal replacement therapy, or on potassium supplements, potassium-sparing diuretics, potassium-containing salt substitutes or other drugs that increase potassium levels. Consider product determinations of serum electrolytes to detect possible electrolyte imbalances, particularly in patients at risk.

Impaired Hapatic Function
As the majority of talmisarian is eliminated by biliaryexcretion, patients with biliary obstructive disorders or hepatic contents on the expected to have reduced clearance. Intaits telmination at low coses and tirate storyly in these patients.

patients. Impaired Renal Function

patients and Function Impairment of the Committee of the

Dual blockade of the RAS with anjoicensin-receptor blockers, ACE inhibitors, or alskiren is associated with increased risks of hypotension, hyperkalemia, and changes in renal function (including acute renal failure) compared to monotherapy.

In most patients no benefit has been associated with using two RAS inhibitors concomitantly. In general, avoid combined use of RAS inhibitors. Closely monitor blood pressure, renal function, and electrotytes in patients on Teminisation and other agreets that risket the RAS. In alleafies with diabetes. Avoid concomitant use of aliskiren with Teminisation in patients with renal impairment (GFR < 60 mL/min/1,73 m²).

PREGIANCY.

Pregnancy Category D

Use of drugs that act on the renin-angiotensin system during the second and third trimesters of pregnancy reduces fetal renal function and increases fetal and neonatal morbidity and death. Resulting oligohydramnios can be associated with fetal lung hypoteplasia and skeletal deformations. Potential neonatal adverse effects include skull hypoteplasia, anuria, hypotension, renal failure, and death. When pregnancy is detected, discontinue Telmisartan as soon as possible. These adverse outcomes are usually associated with use of these drugs in the second and that timester of pregnancy. Most epidemiologic sulfuse securities in the pregnancy in the second securities. The pregnancy is the pregnancy in the second and that timester of pregnancy in the second and that timester of pregnancy in the second and that timester of pregnancy in the second and the

Closely observe linfants with histories of in utero exposure to Telmisartan for hypotension, oliguria, and hyperkalemia. It is not known whether telmisartan is excreted in human milk, but telmisartan was shown to be present in the milk of lacating rats. Because of the potential for adverse effects on the nursing infant, decide whether to discontinue nursing or discontinue the drug, taking rilos account the importance of the drug to the mother. Carcinogenesis, Mutagenesis and Fertility impairant was administented in the diet to mice and rats for up to 2 Carcinogenesis, Mutagenesis and Fertility impairant was administented in the diet to mice and rats for up to 2 Service and the control of the control of

OVERDOSAGE

OVERUDISAGE: Limited data are available with regard to overdosage in humans. The most likely manifestation of overdosage with telmisartan tablets would behtyrotension, dizziness and tachycardia; bradycardia could occur from parasympathetic (vagal) stimulation. If symptomatic hypotension should occur, supportive treatment should be instituted. Telmisartan is not removed by hemodialysis.

STORAGE
Store below 30°C in a dry place. Protect from light.
Keep out of reach of children.

PRESENTATION Blister pack of 10 tablets.

LIPCLEOD?



