Co-Tabuvan®

Valsartan / Hydrochlorothiazide Tablets

Composition:

Co-Tabuvan 80 mg/12.5 mg: Each film coated tablet contains: Valsartan 80 mg and Hydrochiorothiazide 12.5 mg.
Co-Tabuvan 180 mg/12.5 mg: Each film coated tablet contains: Valsartan 160 mg and Hydrochiorothiazide 12.5 mg.
Co-Tabuvan 180 mg/25 mg: Each film coated tablet contains: Valsartan 160 mg and Hydrochiorothiazide 25 mg.
Co-Tabuvan 320 mg/12.5 mg: Each film coated tablet contains: Valsartan 320 mg and Hydrochiorothiazide 25 mg.
Co-Tabuvan 320 mg/25 mg: Each film coated tablet contains: Valsartan 320 mg and Hydrochiorothiazide 12.5 mg.
Co-Tabuvan 320 mg/25 mg: Each film coated tablet contains: Valsartan 320 mg and Hydrochiorothiazide 25 mg.
Excipients: Cellulose microcrystalline, crospovidone, colloidal silicone dioxide, magnesium slearate, HPMC, PEG, itanium dioxide, terric oxide.

1. What Co-Tabuvan is and what it is used for?

Properties:
Pharmacodynamics:
The active hormone of the RAAS is angiotensin II, which is formed from angiotensin it through (ACE). Angiotensin II binds to specific receptors located in the cell membranes of various tissues. It has a wide variety of physiological effects, including in particular both direct and indirect involvement in the regulation of blood pressure. As a potent vaspoonstrictor, angiotensin II everts a direct pressor response. In addition, it promotes sodium retention and stimulation of aldosterone secretion.

**Pharmacokheites:
The systemic availability of hydrochlorothiazide is reduced by about 30% when co-administered with valsartan. The kinetics of valsartan are not markedly affected by the co-administration of hydrochlorothiazide. This observed interaction has no impact on the combined use of valsartan and hydrochlorothiazide, since controlled clinical trials have shown a clear antihypertensive effect, greater than that obtained with drug given alone, or Indications:

Indications:

Co-Tabuvan is indicated for the treatment of hypertension.

Co-Tabuvan is indicated for the treatment of hypertension in patients whose blood pressure is not adequately controlled by monotherapy. These fixed dose combinations should be used as second-line therapy.

2. Before you take Co-Tabuvan

Contraindications:

Co-Tabuvan is contraindicated for patients with known hypersensitivity to any of its components, or other sulfonamides.

Severe hepatic impairment, billary cirrhosis and cholestasis. Anuria, severe renal impairment (creatinine clearance <30 mL/min).

Bertactory hypokalemia, hyponatraemia, hypercalcemia, pregnancy, and symptomatic hyperunicemia.

Severe nepatic impairment, billiary cirribosis and cholestasis. Anuria, severe ineal impairment (creatinine clearance <20 mL/min.)
Refractory hypokalemia, hyponatraemia, hypercalcemia, pregnancy, and symptomatic hyperunicemia.

Precautions:
Effects on ability to drive and use machines:
As with other antihypertensive agents, it is advisable to exercise caution when driving or operating machinery.

Pregnancy:
Due to the mechanism of action of angiotensin II antagonists, a risk for the fetuls cannot be excluded. In utero exposure to angiotensin converting enzyme (ACE) inhibitors (a specific class of drugs acting on the renin-angiotensin-aldosterone system-RAAS) given to pregnant women during the second and third trimesters has been reported to cause injury and death to the developing fetus. In addition, in retrospective data, first infrinsters use of (ACE) inhibitors has been associated with a potential sisk of birth defects. Intrauterine exposure to thiazide diuretics, including hydrochlorothiazide, is associated with tetal or neonatel thrombocytopenia, and may be associated with that adverse reactions that have occurred in adults.

There have been reports of spontaneous abortion, oligohydramnios and newborn renal dysfunction, when pregnant women have inadvertently taken valsartan. As for any drug that also acts directly on the RAAS, co-Tabuvan should not be used during pregnancy or in women planning to become pregnant. Healthcare professionals prescribing any agents acting on the RAAS should counsel women of childbearing potential about the potential risk of these agents during pregnancy. If pregnancy is detected during therapy, Co-Tabuvan should be discontinued as soon as possible.

Lactation:

It is not known whether valsartan is excreted in human milk. Valsartan was a possible.

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Lactation:

It is not known whether valsartan is excreted in human milk. Valsartan was excreted in the milk of lactating rats. Hydroch

It may prove necessary to readjust the dosage of insulin and of oral antidiabetic agents.

Warnings:
Serum electrolyte changes
Valsartan
Concomitant use with potassium supplements, potassium-sparing diutetics, salt substitutes containing potassium, or other agents that may inclease potassium levels (heparin, etc.) is not recommended. Monitoring of potassium should be undertaken as appropriate.
Hydrochlorothiazide
Hydrochlorothiazide increase the urinary excretion of serum potassium is recommended.
Treatment with thipazide diuretics, including hydrochlorothiazide has been reported under treatment with thiazide diuretics, including hydrochlorothiazide. Frequent monitoring of serum potassium is recommended.

Treatment with thipazide diuretics, including hydrochlorothiazide has been associated with hyponatraemia and hypochloraemic alkaloiss. Thiazides, including hydrochlorothiazide increase the urinary excretion of magnesium, which may result in hypomagnesaemia. Calcium excretion is decreased by thiazide diuretics. This may result in hypomagnesaemia. Calcium excretion is decreased by thiazide diuretics. This may result in hypomagnesaemia.

As for any patient receiving diuretic therapy, periodic determination of setum electrolytes should be performed at appropriate intervals.

Sodium, and/or volume-depleted patients
In severely sodium-depleted and/or volume-depleted patients.

In severely sodium-depleted and/or volume-depleted patients such as thiske receiving hisiade diuretics, including hydrochlorothiazide, should be observed for clinical signs of fluid or electrolyte imbalance.

In severely sodium-depleted and/or volume-depleted patients.

Sodium, and/or volume-depleted and/or volume-depleted patients with receiving high doses of diuretics, symptomatic hypotension may occur in rare cases after initiation of therapy with Co-Tabuvan.

Patients with severe chronic heart failure or other conditions with simulation of the renin-angiotensin-aldosteronse-system

In patients whose renal function may depend on the activit

ssary 160 mg valsartan and 25 mg hydrochlorothiazide or 320 mg rfan and 25 mg hydrochlorothiazide may be used. maximum antihypertensive effect is seen within 2 to 4 weeks. osage adjustment is required for patients with mild to moderate renal irment (creatine clearance >30 mL/min). No dosage adjustment is ired in patients with mild to moderate hepatic insufficiency of billary origin and without cholestasis. safety and efficacy of Co-Tabuvan have not been established in

Overdosage:

Overdose with valsartan may result in marked hypotension, which could lead to depressed level of consciousness, circulatory collapse and/or shock. If the ingestion is recent, vomiting should be induced. Otherwise, the usual treatment would be i.v. infusion of normal saline solution.

Valsartan cannot be eliminated by means of hemodialysis because of its strong plasma binding behaviour, whereas clearance of hydrochlorothiazide will be achieved by dialysis.

	Frequency	Valsartan/ hydrochloro- thiazide	Valsartan	Hydrochlorothia- zide
Metabolism and nutrition disorders	Uncommon Not known	Dehydration	Increase of serum	
Nervous system	Rare Very rare	Dizziness	potassium	Headache
disorders	Uncommon Not known	Paraesthesia Syncope		
Eye disorders	Uncommon	Vision blurred		
Ear and labyrinth	Uncommon	Tinnitus	Vertigo	
disorders Vascular disorders	Uncommon Not known Common	Hypotension	Vasculitis	Postural
Respiratory	Uncommon			hypotension
mediastinal disorders	Not known Very rare	Non cardiogenic Pulmonary oedema		Respiratory distress including pneumonitis and
				pulmonary oedema
Gastrointe- stinal disorders	Very rare Uncommon Common	Diarrhea	Abdominal pain	Pancreatitis
	Rare			Loss of appetite, mild nausea and vomiting Constipation, gastrointestinal discomfort
Musculos- keletal and connective tissue disorders	Uncommon Very rare	Myalgia Arthralgia		
Renal and urinary disorders	Not known	Impaired renal function	Renal failure	
General disorders and admi- nistration site	Uncommon	Fatigue		
conditions Investigati- ons	Not known			
0.0		acid increased, serum bilirubin and serum creatinine increased, hypokalae-	_	
		mia, hyponatrae- mia, elevation of blood urea nitrogen, neutropenia		
Blood and lymphatic system disorders	Not known		Decrease in haemoglobin, decrease in haemalocrite, thrombocyto-	
	Rare		penia	Thrombocytopeni- a sometimes with
	Very rare			purpura Agranulocytosis, leucopenia, haemolytic anaemia, bone marrow depression
Immune system disorders	Not known		Other hypersensitiv- ity/allergic reactions including serum	
Hepatobiliary	Very rare		sickness Elevation of	Hypersenstivity reactions
disorders	Rare		liver function values	Intrahepatic cholestasis or
Skin and subcutaneo-	Not known		Angioedema,	jaundice
subcutaneo- us tissue disorders	Common Rare Very Rare		rash, pruritus	Urticaria and other forms of rash Photosensitisation Necrotising vasculitis and toxic epidermal
				necrolysis, cutaneous lupus erythematosus- like reactions, reactivation o cutaneous lupus erythematosus
Psychiatric disorders	Rare			Depression, sleep disturbances
Cardiac disorders	Rare			Cardiac arrhythmias
Reproductiv system an breast disorders Consult your				Impotence

Store below 30 °C. Do not use beyond the expiry date or if the product sho deterioration.

6. Further inform

Co-Tabuvan 80 mg/12.5 mg; Packs of 30 Film Coated Tablets.
Co-Tabuvan 160 mg/12.5 mg; Packs of 30 Film Coated Tablets.
Co-Tabuvan 160 mg/25 mg; Packs of 30 Film Coated Tablets.
Co-Tabuvan 320 mg/12.5 mg; Packs of 30 Film Coated Tablets.
Co-Tabuvan 320 mg/25 mg; Packs of 30 Film Coated Tablets.
Hospital narks are available.

risks.

- Do not by yourself interrupt the period of treatment prescribed for you.

- Do not repeat the same prescription without consulting your doctor.

- Keep medicament out of reach of children.

3. How to take Co-Tabuyan? Dosage and Administration: The recommended dose of Co-Tabuvan is 1 film coated tablet per day Manufactured by: When clinically appropriate either 80 mg valsartan and 12.5 mg TABUK PHARMACEUTICAL MANUFACTURING COMPANY,

hydrochlorothiazide or 160 mg valsertan and 12.5 mg hydrochlorothiazide

P.O. Box 3633, TABUK-SAUDI ARABIA. or 320 mg valsartan and 12.5 mg hydrochlorothiazide may be used. When