

Irbesartan / amlodipine besylate Film coated tablets

SANOFI 🞝

APROVASC
2. GENERIC NAME: 3. PHARMACEUTICAL DOSAGE FORM AND COMPOSITION: FILM COATED TABLETS

FORMULATION:				
Each film coated tablet contains				
Irbesartan	150 mg	150 mg	300 mg	300 mg
Amlodipine besylate equivalent to amlodipine	5 mg	10 mg	5 mg	10 mg
microcrystalline cellulose, croscamellose sodium, hydroxypropyl methykellulose, colloidal silicon dioxide, magnesium stearate, polyethylene glycol, titanium dioxide, red iron oxide (Aprovase" 150mg/10mg), yellow iron oxide (Aprovase" 300mg/5mg) qs	I tablet	1 tablet	1 tablet	1 tablet

### 4. THERAPEUTIC INDICATIONS:

4. THERAPEUIL ENDEASMONT Treatment of essential hypertension. APROVASC is indicated in patients whose blood pressure is not adequately controlled on irbesartan or ambodipine monotherapy.

Controlled in tresastant of anisotophic monoinerapy.

5. CONTRAINDICATIONS:

Due to the presence of both irbesartan and amlodipine, APROVASC is

hypersensitivity to dihydropyridines cardiogenic shock, clinically significant aortic stenosis, unstable angina (excluding

- carriogenic snock, clinically significant aortic stenosis, unstable angina (excluding Prinzmetal's angina)
 - pregnancy and lactation (see Warnings and section 8, Restrictions during Pregnancy

be considered.

\*\*Fetalineonatal morbidity and mortality: Although there is no experience with irbestrain in pregnant women, in utero exposure to ACE inhibitors given to pregnant women during the second and third triminesters of gestation has been reported to cause injury and death to the developing fetus. Thus, as for any drug that also acts directly on the renin-angionesin-adolestores operstan, PRFOVASC should not be used during pregnancy. If pregnancy is detected during therapy, AFROVASC should ado to use during pregnancy with the properties of worsterning benchmarked in the properties of the properties of worsterning benchmarked in the properties of the properties of worsterning benchmarked in the properties of the properties of the properties of worsterning benchmarked in the properties of the properties of the properties of worsterning benchmarked in the properties of the properties of worsterning benchmarked and properties of the properties of t

placebo (see Pharmacodynamics).

placebo (see Tuntunescy-Hequici Impairment: As with other calcium antagonists, amlodipine's half-life is prolonged in patients: As with other calcium antagonists, amlodipine's half-life is prolonged in patients in impaired liver function and dosage recommendations have not been establish. APROVASC should therefore be administered with caution in these patients. COVASC should therefore be administered with caution in these patients.

ertensive crisis:

safety and efficacy of APROVASC in hypertensive crisis has not been

established

6. GENERAL PRECAUTIONS:

As a consequence of inhibiting the renii-angiotensin-aldosterone system, changes in renal function may be anticipated in succeptible individuals. In patients whose renal function depends on the activity of the renii-angiotensin-aldosterone system (hypertensive patients with renal ateray atensis in one or both kidneys, or patients with severe congestive heart failure), treatment with other drugs that affect this system has been associated with oligaria and/or progressive azontensia and rarely with caute renal failure and/or death. The possibility of a similar effect occurring with the use of an angiotensin II receptor antagonist, including inbeartan, cannot be excluded. Certairies uses: Among patients who revelved thesatura in clinical studies, no overall differences in efficacy or safety were observed between older patients (65 years or older) and younger patients.

# Pediatric use: Safety and efficacy in pediatric patients have not been established. 7. RESTRICTIONS DURING PREGNANCY AND LACTATION:

7. RESTRICTIONS DURING PRECNANCY AND LACTATION: Pregnancy: There are no adequate and well-controlled studies in pregnant women APROVASC is contrainficated during pregnancy. APROVASC must not be administered to women of childbearing potential unless effective contraception is used. When pregnancy is detected during therapy with APROVASC, treatment shall be discontinued as soon as possible (see section 6. Contraindications and Warnings). Lactuting mothers: APROVASC is contraindicated during lactation (see section 6.

Contraindications, S. SIDE-EFFECTS AND ADVERSE REACTIONS: ADVERSE EVENTS: Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

unexty, compared to rates in the clinical trials of another drug and may not reflect the trates observed in practice.

Intensation has been evaluated for safety in approximately 5000 subjects in clinical studies, including 1500 bypertensive quients retead for very 6 months and mort and 400 patients retead for 1 year or more. Adverse events in patients receiving inseastment were generally mill and transient with no relationship to the dose. The incidence of adverse events was not related to age, gender or nec.

In placebo-controlled clinical studies, including 1965 inbeastran-treated patients (usual duration of treatment 1 to 3 months), treatment discontinuation due to any clinical or laboratory adverse event were 3.3 percent for hisestaran-treated patients and 4.5 percent for place-bo-treated patients (p-0.029). Adverse events that have been reported in inhestaran trials or potentianterling are categorized below according to system organ class and frequency (see table 1).

The frequency of adverse events is defined using the following convention: Very common: £ 1100; common: £ 1100; on and £ 11,000 and £ 11,000 and £ 11,000 unknown: to incidence data available.

Frequencies of adverse reactions from postmarketing experience are unknown, as

these reactions are repo	orted voluntarily	from a population of un	certain size.
Table 1 - Adverse Eve Postmarketing Repor		rbesartan Clinical Tria	ls or
	Common(a)	Uncommon(b)	Unknown
Immune system disorders			Hyperesensitivity reactions
Metabolism and nutrition disorders			Hyperkalemia
Nervous system disorders	Dizziness, headache	Orthostatic dizziness	
Cardiac disorders		Tachycardia	
Respiratory, thoracic and mediastinal disorders		Cough	
Gastrointestinal disorders	Nausea vomiting	Diarrhea, dyspepsia/ heartburn	
Hepatobiliary disorders			Jaundice, elevated liver function tests, hepatitis

Musculoskeletal and connective tissue disorders			Myalgia
Renal and urinary disorders			Impaired renal function including isolated cases of renal failure in patients at risk
Reproductive system and breast disorders		Sexual dysfunction	
General disorders and administration	Fatigue, edema	Chest pain	Asthenia

sate conditions

a Include all adverse events, probably or possibly related, or of uncertain relationship to therapy, whatever their incidence in the placebo-treated patients behicked all adverse events, probably or possibly related, or of uncertain relationship to therapy, occurring with a frequency of 0.5% to <5% and at similar or slightly to therapy, occurring with a frequency of 0.5% to <5% and at similar or slightly increased incidence in tribestum-treated patients than in flacaborteested patients (none of them were statistically significantly different between the 2 treatment groups [55] and including the state of t

(note sy nice...)

Adverse events that have been reported in amlodipine trials are categorized below according to system organ class and frequency (see table 2).

The following CIOMS frequency rating is used, when applicable:  $Very common 2: 10\%, Common 2: 1 and < 10\%, Uncommon 2: 0.1 and < 1\%, Uncommon 2: 0.1 and < 1\%, Unknown (cannot be estimated from available and < 0.1 \% (\frac{1}{3}\) \% (Very rare < 0.01 \%), Unknown (cannot be estimated from available$ 

Table 2 - Adverse Events	Keported in A	Amiodipine Clinical	Iriais
	Common	Uncommon	Very rare
Blood and lymphatic system disorders			Thrombocytopenia
Immune system disorders			Allergic reaction
Metabolism and nutrition disorders			Hyperglycemia
Psychiatric disorders		Insomnia, mood changes	
Nervous system disorders	Dizziness, headache, somnolence	Hypoesthesia, paresthesia, tremor, taste perversion, syncope	Peripheral neuropathy
Eye disorders		Visual disturbances	
Ear and labyrinth disorders		Tinnitus	
Cardiac disorders	Palpitations		Myocardial infarction arrhythmia, ventricula tachycardia and atrial fibrillation
Vascular disorders	Flushing	Hypotension	Vasculitis
Respiratory,thoracic and		Dyspnea, rhinitis	Coughing
mediastinal disorders			
Gastrointestinal disorders	Nausea, abdominal pain	Dyspepsia, vomiting, altered bowel habits, dry mouth	Pancreatitis, gastritis gingival, hyperplasia
Hepatobiliary disorders			Hepatitis, jaundice and hepatic enzyme elevations (mostly consistent with cholestasis)
Skin and subcutaneous disorders		Pruritus, rash, purpura, increased sweating, skin discoloration, alopecia	Angioedema, erythema multiforme, urticaria
Musculoskeletal and connective tissue disorders		Arthralgia, muscle cramps, myalgia, back pain	
Renal and urinary disorders		Increased urinary frequency, micturition disorder, nocturia	
Reproductive system and breast disorders		Impotence, gynecomastia	
General disorders and administration site conditions	Fatigue, edema	Chest pain, asthenia, malaise, pain	
Investigations		weight increase, weight decrease	

In the clinical trials comparing the fixed-dose combination irbesartan' amlodipin either irbesartan or amlodipin emonotherapy, the types and incidences of treatmen emergent adverse events (TEAEs) possibly related to study treatment were similar those observed in the earlier monotherapy clinical trials and possmarketing report adverse event was peripheral edema, mainly associated to the contraction of the cont

Table 3 - Treatment-Emergent A		
	artan/Amlodipine Clinical St OMBINE and I-COMBO)	udies
	Common	Uncommon
Irbesartan monotherapy		
General disorders and administration site conditions		fatigue
Ear and labyrinth disorders	vertigo	
Nervous system disorders	dizziness	headache
Gastrointestinal disorders	upper abdominal pain, nausea, tongue disorder	diarrhea
Skin and subcutaneous tissue disorders		alopecia
Injury, poisoning and procedural complications		fall
Amlodipine Monotherapy		
General disorders and administration site conditions	peripheral edema	edema, facial edema
Ear and labyrinth disorders		vertigo
Gastrointestinal disorders	glossodvnia	
Nervous system disorders	dizziness	headache
Respiratory, thoracic and mediastinal disorders	cough	
Skin and subcutaneous tissue disorders	contact dermatitis	
vascular disorders	hot flush	flushing
Irbesartan/amlodipine Fixed Com	bination	
General disorders and administration site conditions	peripheral edema,	asthenia
Ear and labyrinth disorders		vertigo
Cardiac disorders	palpitations	sinus bradvacardia
Nervous system disorders	dizzines, headache, somnolence	parathesia
Reproductive system and breast disorders		erectile dysfunction
Respiratory, thoracic and mediastinal disorders	sinus bradvacardia	cough
Vascular disorders	orthostatic hypotension	hypotension
Gastrointestinal disorders	gingival swelling	nausea, upper abdominal pain, constipation
Renal and urinary disorders	proteinuria	azotemia, hypercreatinemia

Table 3 - Treatment-Emergent Adverse Events Considered Possibly Related to Study Drug in Irbesartan/Amlodipine Clinical Studies (1-ADD, I-COMBINE and I-COMBO)			
	Common	Uncommon	
Irbesartan/amlodipine Fixed Combination			
Metabolism and nutrition disorders		hyperkalemia	
Musculoskeletal and connective tissue disorders		joint stiffness, arthralgia, myalgia	

## INTERACTIONS WITH OTHER DRUGS AND OTHER FORMS OF

INTERACTION:

For irbearatus and amlodipine combination: Based on a planmacokinetic study where irbearatus and amlodipine combination: Based on a planmacokinetic study where irbearatus and amlodipine combination, there is no planmacokinetic interaction between irbearatus and amlodipine.

No drug interaction studies have been performed with APROVASC and other medicinal products.

Irbesartan: Based on in vitro data, no interactions would be expected to oc

and the Bosed on in vitro data, no interactions would be expected to occur with dauge which metabolism depends on eyelenbrom PSP3 isomarymes CYP1A1, CYP1A2, CYP2A6, CYP2BA, C

antibiotics, and oral hypoglycemic drugs.

Data from in vitro studies with human plasma indicate that amlodipine has no effect on the protein binding of studied medicines (digoxin, phenytoin, warfarin or

Data from M. The Control of the protein binding of studied medicines (digoxin, phenytoin, warfarın or indomethacin).

• Cimetidine: Co-administration of amlodipine with cimetidina did not alter the ....

pharmacokinetics of amlodipine.

Grappetini juice Coadministration of 240 mL of grappetinit juice with a single oral dose of amlodipine 10 mg in 20 healthy volunteers had no significant effect on the pharmacokinetics of amlodipine.

Sildenafil: When amlodipine and sildenafil were used in combination, each agent independently excerted is own blood pressure lovering effect.

Attorvastatin: Co-administration of multiple 10 mg doses of amlodipine with 80 mg of atorvastatin resulted in no significant change in the study-state pharmacokinetic parameters of atorvastatin.

Digoxiii: Co-administration of amlodipine with digoxin did not change serum digoxin leveks or digoxin read clearance in healthy volunteers.

Natural Co-administration of amlodipine did not change warfarin prothronhin

response time.

Cyclosporine: Pharmacokinetic studies with cyclosporine have demonstrated that amilodipine does not significantly alter the pharmacokinetics of cyclosporine.

10. PRECAUTIONS RELATED TO CARCINOGENESIS, MUTAGENESIS AND FERTILITY.

Inhestatian:

No carcinogenic evidence was observed with administration of irbesartan at doses of up to 500/1000 mg/kg/day in rats (male/female, respectively) and 1000 mg/kg/day in mice for up to 2 years. These doses provided a systemic responser 4-5 times (mix) and 4-6 times (mixe) the exposure in humans receiving 500 mg/day. Hebeatran was not mutagenic in a hettery of in vitro tests. (Ames microbial test, rat hepatocyte DNA repair test, V79 mammalian-cell forward gene-mutation assay). Hebeatran was negative in several tests for inducement of chromosomal abertois (in vitro-human lymphocyte assay; in vitro-mose micromocleus study). Fertility and reproductive performance were not affected in studies of male and female rats even at doses causing some parental toxicity (up to 650 mg/kg/day). No significant effects on the number of corpora lates, implants, or live fettues we observed. Irbeatran did not affect survival, development, or reproduction of offspring.

offsering. Transient toxic effects (increased renal pelvic cavitation, hydroureter or subcuttaneous decima) in raf fetuses were observed at doses of 50 mg/kg/day or higher, which resolved after birth. In rabbits, maternal mortality, abortion and early resorption were observed at doses of 50 mg/kg/day. No tentopenic effects were observed in the rat or

rabbit.

Amoldinine:

Carcinogenesis: Rats and mice treated with amoldipine in the diet for two years, at concentrations calculated to provide daily dosage levels of 0.5, 1.25 and 2.5 mg/kg/day showed no evidence of carcinogenicity. The highest dose (similar to the maximum recommended human dose of 10 mg on a mg/m² basis for mice, and about twice\* this maximum tose for rats) was close to the maximum tolerated dose for mice but not for rats.

Mutagenesis: Mutagenesis studies revealed no amlodipine related effects at either

ats. s: Mutagenesis studies revealed no amlodipine related effects at either

the gene or chromosome levels.

Infertility: There was no effect on fertility in rats treated with amlodipine (males for 64 days and females for 14 days prior to mating) at doses up to 10 mg/kg/day (8 times\* the maximum recommended human dose of 10 mg on a mg/m² basis).

\* Based on a 50 kg patient.

11. DOSAGE AND ADMINISTRATION:

IL DOSAGE AND ADMINISTRATION:

The sould initial and maintenance does of APROVASC is one tablet per day.

APROVASC can be administered with or without food.

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APROVASC doubt be administered in patients whose blood pressure is noadequately controlled on monotherapy with inhesartan or amdoliptine or fort continuation of therapy for patients receiving inhesartan and amdoliptine as series tablets. Does should be individualized based on response to therapy with individual components and antihypernensive response required. The maximum recommended dose with APROVASC is 300 mg/10 mg per day

Therapy should be adjusted according to lobod pressure response.

Pediatric patients: The safety and efficacy of APROVASC has not been established. Pelletry patients and patients with impaired renal function (regaultees of degree).

(regardless of degree).

# SIGNS AND MANAGEMENT OF OVERDOSAGE OR ACCIDENTAL

For oral administration

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Experience in adults exposed to dones of up to 900 mg/day rebeartant for 8 weeks

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This leaflet was last approved in February 2014. Manufactured by Sanofi-Aventis de Mexico S.A. de C.V, Mexico Packed by Benta S.A.L.,

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This is an ordicament

A medicament is a product which affects your health, and so some your contray to instructions it diagreess for you

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