

WARNING: FOETAL TOXICITY

When pregnancy is detected, discontinue VALSATRIL® as soon as possible. Drugs that act directly on the renin-angiotensin system can cause injury and death to the developing foetus

1. NAME OF THE PRODUCT

VALSATRIL® 50 (Sacubitril/Valsartan) Film Coated Tablets VALSATRIL® 100 (Sacubitril/Valsartan) Film Coated Tablets VALSATRIL® 200 (Sacubitril/Valsartan) Film Coated Tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

VALSATRIL® 50 Film Coated Tablets VALSATRIL® To Film Coated Tablets VALSATRIL® 200 Film Coated Tablets Each film coated tablet contains: Sacubitril.....24mg Each film coated tablet contains Each film coated tablet contains Sacubitril.....49mg Valsartan....51mg ..97mg .103mg Valsartan......26mg (as sacubitril valsartan sodium salt complex MS) (as sacubitril valsartan sodium salt complex MS)

3. PHARMACEUTICAL FORM

VALSATRIL® 50 Film Coated Tablets: White color, film coated tablet capsular shaped tablet, engraved SAMI on one side and plain on the other side.

VALSATRIL® THE Coated Tablets: Light yellow to yellow color, film coated capsular shaped tablet, engraved SAMI on one side and plain on the other side.

VALSATRIL® THE Coated Tablets: Light pink to pink color, film coated oblong shape tablet, plain from both sides.

4. CLINICAL PARTICULARS 4.1. THERAPEUTIC INDICATIONS

Adult heart failure: VALSATRIL® is indicated in adult patients for treatment of symptomatic chronic heart failure with reduced ejection fraction.

Paediatric heart failure: VALSATRIL® is indicated in children and adolescents aged one year or older for treatment of symptomatic chronic heart failure with left ventricular systolic dysfunction

4.2. POSOLOGY AND METHOD OF ADMINISTRATION:

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take the next dose at the scheduled time.

Adult heart failure: The recommended starting dose of VALSATRIL® is one tablet of 49mg/51mg twice daily, except in the situations described below. The dose should be doubled at 2-4 weeks to the target dose of one tablet of 97mg/103mg twice daily, as tolerated by the patient. If patients experience tolerability issues (systolic blood pressure [SBP] ≤95mmHg, symptomatic hypotension, hyperkalemia, renal dysfunction), adjustment of concomitant medicinal products, temporary down-titration or discontinuation is recommended. In the PARADIOAH+TS study, socialitifivalsartant was administered in conjunction with other heart failure therapies; in place of an ACE inhibitor or other ARB. There is limited experience in patients not currently taking an ACE inhibitor or an ARB or taking low doses of these medicinal products, therefore a starting dose of 24mg/25mg twice daily and slow dose thraillated in patients with serum potassium levels >64mm/off or with SBP ≥100 to 110mmHg.

Paediatric heart failure: Table below shows the recommended dose for paediatric patients. The recommended dose should be taken orally twice daily. The dose should be increased every 2-4 weeks to the target dose, as tolerated by the patient. Sacubitril/valsartan film-coated tablets are not suitable for children weighing less than 40kg. Sacubitril/valsartan granules are available for these patients.

Patient weight	To be given twice daily			
	Half the starting dose*	Starting dose	Intermediate dose	Target dose
Paediatric patients less than 40kg	0.8mg/kg ^e	1.6mg/kg*	2.3mg/kg [#]	3.1mg/kg*
Paediatric patients at least 40kg, less than 50kg	0.8mg/kg [#]	24mg/26mg	49mg/51mg	72mg/78mg
Paediatric patients at least 50kg	24mg/26mg	49mg/51mg	72mg/78mg	97mg/103mg

* Half the starting dose is recommended in patients who have not been taking an ACE inhibitor or an ARB or have been taking flow doses of these medicinal products, patients who have renal impairment (estimated glomerular filtration rate [eGFR] 60 mg/kg, 1.6 mg/kg, 2.3 mg/kg, 2.3 mg/kg and 3.1 mg/kg refer to the combined amount of sacubitril and valsartan and are to be given using granules. In patients not currently taking an ACE inhibitor or an ARB or taking low doses of these medicinal products, half of the starting dose is recommended. For paediatric patients weighing 40kg to less than 50kg, a starting dose of 0.5 mg/kg twice daily (given as granules) is recommended. After inhibitor should starting dose of 0.5 mg/kg twice daily (given as granules) is recommended. The paediatric patients also the closest number of full capsules, this corresponds to 2 capsules of 6 mg/kmg sacubitril/valsartan twice daily. Treatment should not be initiated in patients with serum polassium level 5.3 mmold or with SBP - 56° percentile for the ago of the patient. If patients experience toleratibility issues (SBP) = 5° percentile for the ago of the patient. If patients experience toleratibility issues (SBP) = 5° percentile for the ago of the patient. If patients experience toleratibility issues (SBP) = 5° percentile for the ago of the patient, symptomatic hypotension, hyperkalemia, renal dysfunction), adjustment of concomitant medicinal products, temporary down-tiltration or discontinuation of sacubitril/valsartan is recommended. September of the starting dose is recommended. The patients with the vertice of the starting dose is recommended. The patients with the vertice of the starting dose is recommended. In paediatric patients with patients with severe renal impairment (eGFR 3.0 mg/kg) twice daily (given as granules) is recommended. The patients with patients with patients with patients with moderate renal impairment (eGFR 3.0 mg/kg) twice daily (given as granules) is recommended. After initiation, the dos

Method of administration: Oral use. VALSATRIL® may be administered with or without food. The tablets must be swallowed with a glass of water. Splitting or crushing of

4.3. CONTRAINDICATIONS:

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 Hypersensitivity to the active substances or to any of the excipients.

 Concomitant use with ACE inhibitors. Sacubitril/valsartan must not be administered until 36 hours after discontinuing ACE inhibitor therapy.

 Known history of angloedema related to previous ACE inhibitor or ARB therapy.

 Hereditary or idiopathic angloedema.

 Concomitant use with aliskiren-containing medicinal products in patients with diabetes mellitus or in patients with renal impairment (eGFR <60ml/min/1.73m²).

 Severe heppilic impairment, billiary cirrhosis and cholestasis.

 Second and third trimesters of pregnancy.

4.4. SPECIAL WARNINGS AND PRECAUTIONS FOR USE:

Must blockade of the renin-angiotensin-aldosterone system (RAAS):

• The combination of sacubitril/valsartan with an ACE inhibitor is contraindicated due to the increased risk of angioedema. Sacubitril/valsartan must not be initiated until 36 hours after taking the last dose of ACE inhibitor therapy. If treatment with sacubitril/valsartan is stopped, ACE inhibitor therapy must not be initiated until 36 hours after the last dose of sacubitril/valsartan.

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• The combination of sacubitril/valsartan with an ACE inhibitor therapy. If treatment with sacubitril/valsartan is the combination of sacubitril/valsartan with action of sacubitril/valsartan.

• The combination of sacubitril/valsartan with an ACE inhibitor is contraindicated due to the increased risk of angioental values. In the combination of sacubitril/valsartan with an ACE inhibitor service in the combination of sacubitril/valsartan with an ACE inhibitor is contraindicated due to the increased risk of angioental values.

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inhibitors such as aliskren is not recommended. The combination of sacubitin/alsarian with aliskren-containing medicinal products is contraindicated in patients with notal impariment (eGFR <60m/lmin/1.73m²). ■ VALSATRIL® containing medicinal products
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occur if the patient has been volume-depleted, e.g. by diuretic therapy, dietary salt restriction, diarrhoea or vomiting. Sodium and/or volume depletion should be corrected before starting treatment with sacubitril/valsartan, however, such corrective action must be carefully weighed against the risk of volume overload.

Renal impairment: Evaluation of patients with heart failure should always include assessment of renal function. Patients with mild and moderate renal impairment are more at risk of developing hypotension. There is very limited clinical experience in patients with severe renal impairment of FR - 30ml/mint 17.3m²) and these patients may be at greatest risk of hypotension. There is no experience in patients with end-stage renal disease and use of sacubitril/valsartan is not recommended.

Worsening renal function: Use of sacubitrilivalsartan may be associated with decreased renal function. The risk may be further increased by dehydration or concomitant use of non-steroidal anti-inflammatory agents (NS-AIDS). Down-titteration should be considered in patients who develop a clinically significant decrease in renal function.

Hyperkalemia: Treatment should not be initiated if the serum potassium level is -5.4mmol/li in adult patients and -5.3mmol/li in patients. Use of sacubitrilivalsartan may be associated with an increased risk of hyperkalemia, allonguly hypotalemia may also occur. Monitoring of serum potassium is recommended, especially in patients who have risk factors such as renal impairment, diabetes mellitus or hyposaldosteronism or who are on a high potassium diet or on mineralocorticoid antagonist. If patients experience clinically significant upper adjustment of concomitant medicinal products, or temporary down-litteration or discontinuation is recommended. If serum potassium level is -5.4mmol/li in patients two develops action or discontinuation is recommended. If serum potassium level is -5.4mmol/li in patients with renal are several monitoring should be provided until complete and sustaine

Caution is required in patients with renal artery stenosis and monitoring of renal function is recommended.

Patients with New York Heart Association (NYHA) functional classification IV. Caution should be exercised when initiating sacubitril/valsartan in patients with NYHA functional classification IV due to limited clinical experience in this population.

B-type natriuretic peptide (BNP): BNP is not a suitable biomarker of heart failure in patients treated with sacubitril/valsartan because it is a neprilysin substrate.

Patients with hepatic impairment: There is limited clinical experience in patients with moderate hepatic impairment (Child-Pugh B classification) or with ASTALT values more than twice the upper limit of the normal range, in these patients, exposure may be increased and safety is not established. Caution is therefore recommended when using it in these patients. Sacubitril/valsartan is contraindicated in patients with severe hepatic impairment, billiary circhor confectasis (Child-Pugh C classification).

Psychiatric disorders: Psychiatric events such as hallucinations, paranoia, and sleep disorders, in the context of psychotic events, have been associated with sacubitril/valsarian use. If a patient experiences such events, discontinuation of sacubitrilivalsarian use. If a patient experiences such events, discontinuation of sacubitrilivalsarian to such as the considered.

Sodium: This medicinal product contains less than 1mmol sodium (23mg) per 97mg/103mg dose, that is to say essentially 'sodium free'.

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45. INTERACTION WITH OTHER MEDICINAL PRODUCTS AND OTHER FORM OF INTERACTIONS:
Interactions resulting in a contraindication: ACE Inhibitors: The concomitant use of sacubitrilvalsariatan with ACE Inhibitor is contraindicated, as the concomitant inhibition of nephysin (NEP) and ACE may increase the risk of angioedema. Sacubitrilvalsariatan until a 6 hours after raking the last dose of ACE inhibitor therapy.

ACE Inhibitor therapy must not be started until 36 hours after the last dose of sacubitrilvalsariatan until a 6 hours after raking the last dose of ACE inhibitor therapy and accommendation of the commendation of sacubitrilvalsariatan with direct reni inhibitors such as aliskiner is not recommended. A combination of sacubitrilvalsariatan with direct reni inhibitors such as aliskiner is not recommended. A combination of sacubitrilvalsariatan with direct reni inhibitors such as aliskiner is not recommended. Sacubitrilvalsariatan containing medicinal products. Interactions resulting in concommitant use not being recommended: Sacubitrilvalsariatan contains valsarian, and tereores should not be co-administered with another ARB containing medicinal products.

Interactions requiring precautions: OATPIB1 and OATPIB3 substrates, e.g. statins: In vitro data indicate that sacubitril inhibits OATPIB1 and OATPIB3 substrates such as statins. Co-administration of sacubitrilvalsariatan with statins. No clinically relevant interaction was observed when sinwastatin and sacubitrilvalsariatan with statins, substrates such as statins. So-administration of sacubitrilvalsariatan with statins. No clinically rel

The Union revenue of the survey of the should be evaluated. No significant interaction: No clinically meaningful interaction was observed when sacubitril/valsartan was co-administered with digoxin, warfarin, hydrochlorothiazide, amlodipine, omeprazole, carvedilol or a combination of levonorgestrel/ethinyl estradiol.

4.6 FERTILITY, PREGNANCY AND LACTATION:
Fertility: There are no available data on the effect of sacubitril/valsartan on human fertility. No impairment of fertility was demonstrated in studies.

Pregnancy: The use of sacubitril/valsartan is not recommended during the first trimester of pregnancy and is contraindicated during the second and third trimesters of pregnancy.

Breast-feeding: Because of the potential risk for adverse reactions in breastfeed memberors/infants, it is not recommended during breast-feeding. A decision should be made

whether to abstain from breast-feeding or to discontinue, taking into account the importance of sacubitril/valsartan to the mother

4.7. EFFECTS ON THE ABILITY TO DRIVE AND USE MACHINES:
Sacubitril/valsartan has a minor influence on the ability to drive and use machines. When driving vehicles or operating machines it should be taken into account that occasionally dizziness or faligue may occur.

4.8. UNDESIRABLE FEFFCTS:

Adverse reactions are ranked by System organ class and then by frequency with the most frequent first, using the following convention:

Very common (≥1/10); common (≥1/100 to <1/10); uncommon (≥1/1 000 to <1/100); rare (≥1/10 000 to <1/1 000); very rare (<1/10 000). Within each frequency grouping,

adverse reactions are ranked in order of decreasing seriousness. Blood and lymphatic system disorders: Common: Anaemia.

Immune system disorders: Uncommon: Hypersensilivity.

Metabolism and nutrition disorders: Very common: Hyperkalaemia. Common: Hypokalaemia, hypoglycaemia. Uncommon: Hyponatraemia. Psychiatric disorders: Rare Halicuniations': Sepen disorders. Very rare: Paranola.

Nervous system disorders: Common: Dizziness, headache, syncope. Uncommon: Dizziness postural.

Ear and labyrinth disorders: Common: Dizziness, headache, syncope. Uncommon: Dizziness postural.

Ear and labyrinth disorders: Common: Hypotension. Common: Orthostatic hypotension.

Respiratory, thoracic and mediastinal disorders: Common: Cough.

Gastrointestinal disorders: Common: Dizzinesa, nausea, agstrilis.

Skin and subcutaneous tissue disorders: Uncommon: Pruritus, rash, angioedema.

Renal and urinary disorders: Very common: Renal impairment. Common: Renal failure (renal failure, acute renal failure).

General disorders and administration site conditions: Common: Faligue, asthenia.

**Including auditory and visual hallucinations.

4.9 OVERDOSE:

4.9. OVERDUSE:
Limited data are available with regard to overdose in humans. A single dose of 583mg sacubiril/617mg valsartan and multiple doses of 437mg sacubiril/463mg valsartan (14 days) were studied in healthy adult volunteers and were well tolerated. Hypotension is the most likely symptom of overdose due to the blood pressure lowering effects of sacubiril/valsartan. Symptomatic treatment should be provided. The medicinal product is unlikely to be removed by haemodialysis due to high protein binding.

5. PHARMACOLOGICAL PROPERTIES 5.1. PHARMACODYNAMIC PROPERTIES:

narmacotherapeutic group: Agents acting on the renin-angiotensin system; angiotensin II receptor blockers (ARBs), other combinations, ATC code: C09DX04.



Mechanism of action: Sacubitril/valsartan exhibits the mechanism of action of an angiotensin receptor neprilysin inhibitor by simultaneously inhibiting neprilysin (neutral endopepidases NEP) via LBO657, the active metabolite of the prodrug sacubitril, and by blocking the angiotensin II type-1 (AT1) receptor via valsartan. The complementary cardiovascular henefits of sacutibitril/valsartan in heart failure patients are attributed to the enhancement of peptidas that are degraded by neprilysin, such as natriuretic peptidas (NP), by LBO657 and the simultaneous inhibition of the effects of angiotensin II by valsartan. NPs event their effects by activating membrane-bound quantyly cyclase-coupled receptors, resulting in increased concentrations of the second messenger cyclic quanosine monophosphate (CGMP), which could result in vasodilation, natrituresis and diuresis, increased glomerular filtration rate and renal blood flow, inhibition of renin and aldosterone release, reduction of sympathetic activity, and anti-hypertrophic and anti-fibrotic effects. Valsartan inhibits detrimental cardiovascular and renal effects of angiotensin II dependent addosterone system that would result in vasoconstriction, renal sodium, and fluid retention, activation of cellular growth and proliferation, and subsequent maladaptive cardiovascular remodeling.

5.2. PHARMACOKINETICS:

The valsartan contained within sacubitril/valsartan is more bioavailable than the valsartan in other marketed tablet formulations; respectively. Paediatric population: The paramacokinetics of sacubitril/valsartan were evaluated in paediatric population: The paramacokinetics of sacubitrilivalsartan were evaluated in paediatric paramacokinetics of sacubitrilivalsartan were evaluated in paediatric bart failure patients aged 1 month to <1 year and 1 year to <18 years and indicated that the pharmacokinetic profile of sacubitrilivalsartan are were evaluated in paediatric bart failure patients aged 1 month to <1 year and 1 year to <18 years and indicated that the pharmacokinetic profile of sacubitrilivalsartan are talgular patients is similar.

Adult population: Following part administration, sacubitrily adsartan and the prodrug sacubitril. Sacubitril is further metabolized to the active metabolite LBO657. These reach peak plasma concentrations in 2 hours, 1 hour, and 2 hours, respectively. The oral absolute bioavailability of sacubitril and valsartan is estimated to be more than 60% and 23%, respectively. Following twice daily dosing of sacubitril/valsartan, steady-state levels of sacubitril, LBO657 and valsartan are related in three days, At a steady state, sacubitril and valsartan or on a current of the sacubitril part of the systemic exposures of sacubitril, LBO657, and valsartan are full passma and CSF exposures, LBO657 carcinations with food has no clinically significant impact on the systemic exposures of sacubitril, BO657, and valsartan are full extent (D.28%). The average apparent volume of distribution of valsartan and ascubitril was 75 liters to 103 liters, respectively. Biotransformation: Sacubitril search of the dose is recovered as metabolites. A hydroxyl metabolite of valsartan has been identified in plasma at low concentrations (<10%). Biimination: Following oral administration, Scholitril partially as LBO657) and salt of valsartan are eliminated from plasma with a mean eliminat

5.3. PRECLINICAL SAFETY DATA:

Non-clinical data (including studies with sacubitril and valsarian components and/or sacubitril/valsarian) reveal no special hazard for humans based on conventional studies of safety pharmacology, repeated dose toxicity, genotoxicity, carcinogenic potential, and fertility.

Other preclinical findings: Sacubitril/valsarian: The effects of sacubitril/valsarian or amyloid-β concentrations in CSF and brain tissue were assessed in young (2-4 years oil) cynomoligus monkeys treated with sacubitril/valsartan (24mg sacubitril/26mg valsarian/kg/day) for two weeks. In this study CSF Aβ clearance in cynomoligus monkeys reated with sacubitril/valsartan (24mg sacubitril/26mg valsarian/kg/day) for two weeks. In this study CSF Aβ clearance in cynomoligus monkeys reated with sacubitril/valsartan at 146mg ascubitril/154mg valsarian/kg/day for 39 weeks, there was no evidence for the presence of amyloid plaques in the brain. Amyloid content was not, however, measured quantitatively in this study.

6. PHARMACEUTICAL PARTICULARS

VALSATRIL® 50 Film Coated Tablets:

Coare: • Microcrystalline cellulose • Hydroxypropyl cellulose • Crospovidone • Talcum • Silicon dioxide • Magnesium stearate

Coating: • Hydroxypropyl methyl cellulose • Simethicone • Talcum Powder • Titanium dioxide • Polyethylene glycol • Poly vinyl pyrrolidone

Poly vinyl pyrrolidone

▼ reliciów iron oxide color

VALSATRIL® EM Film Coated Tablets:

Core: ■ Microcrystalline cellulose ● Hydroxypropyl cellulose ● Simethicone ● Talcum Powder ● Talcum Powder ● Talcum dioxide ● Polyethylene glycol ● Poly vinyl pyrrolidone ● Red iron oxide color

6.2. INCOMPATIBILITIES

6.3. SHELF LIFE:

6.4. SPECIAL PRECAUTIONS FOR STORAGE:

Do not store over 30°C, and protect from heat and moisture. Improper storage may deteriorate the medicine. Keep out of reach of chilidren

VALSATRIL® Film Coated Tablets: Alu/Alu blister, pack size is 14 tablets. VALSATRIL® Film Coated Tablets: Alu/Alu blister, pack size is 14 tablets. VALSATRIL® Film Coated Tablets: Alu/Alu blister, pack size is 14 tablets.

6.6. SPECIAL PRECAUTIONS FOR DISPOSAL OF A USED PRODUCT:

ny unused medicinal product or waste material should be disposed of in accordance with local requirements

6.7. DRUG PRODUCT SPECIFICATIONS:

7. MARKETING AUTHORISATION HOLDER

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

8. MARKETING AUTHORISATION NUMBER(S) VALSATRIL® 50 Film Coated Tablets: 093098 VALSATRIL® 500 Film Coated Tablets: 093083

VALSATRIL[®] 200 Film Coated Tablets: 093082

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

VALSATRIL® 50 Film Coated Tablets: 16th January, 2019 VALSATRIL® 100 Film Coated Tablets: 16th January, 2019 VALSATRIL® 200 Film Coated Tablets: 16th January, 2019



10. DATE OF REVISION OF THE TEXT **ویل ساٹول**® ٹیبلٹ (سکیوبڑل/والہارٹن) مدايات: • ... **خوراک**: ڈاکٹر کی ہدایت کے مطابق استعال کریں۔ صرف رجسر ڈ ڈاکٹر کے نشخ کےمطابق فروخت کریں۔ بیوں ن چی سے دور ہیں۔ د واکو ۴۰ ڈکری سنٹی گریڈ سے زیاد دور دہترارت پر ندر گئیں، گری اور ٹی سے تحفو ظار کئیں ور ند داخراب ہوجا نیگی۔

R.N-04/QC/05/2024_SmPC