Siromune[®]

Sirolimus

FORMS AND PRESENTATION

Siromune¹: Film coated tablets: Box of 100. COMPOSITION Siromune¹: Each film coated tablet contains Sirolimus 1mg. Excipients: starch, lactose, povidone, tale, magnesium stearate, hydroxypropyl methylcellulose, titanium dio

PHARMACOLOGICAL PROPERTIES
Pharmacolynamic properties
Therapeutic class, Immunouppresants.
ATC code: L04AA10.
Stoffmas inhibits T-cell activation induced by most stimuli, by blocking calcium-dependent and calcium-independent intracellular
signal transduction. Studies demonstrated that its effects are mediated by a mechanism that is different from that of cyclosporine,
incrollinas, and their immunouppressive agents. Experimental evidence suggests that Sirolinas inhibits
review and their immunouppressive agents. Experimental evidence suggests that Sirolinas inhibits
review and their immunouppressive agents. Experimental evidence suggests that Sirolinas inhibits
review and their immunouppressive agents. Experimental evidence suggests that Sirolinas indis to the specific cyclosolic
protein RYB+12, and that the FKPB 12-Sirolinas complex inhibits the activation of the mammalian Iraget Of Rapamyrin
timoRNA, a retiral sinues for cell cycle progression. The inhibition of MDR results in biockage of several specific signal
transduction pathways. The act result is the inhibition of MDR results in biockage of several specific signal
transduction pathways. The act result is the inhibition of MDR results in biockage of several specific signal
transduction pathways. The act result is the inhibition of MDR results in biockage of several specific signal
transduction pathways. The act results in a minor effect on T- and B-cell activation, suppressing immune-mediated reactions, such as allograft
relevance.

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Ipoproteins. Biotransformations is a substantial for both CYP3A4 and P.gp. Similianus is extensively metabolized in the intestinal wall and liver and Storburns is a substantial for both CYP3A4 and P.gp. Similianus in entities that gut lumen, lumbhors of CYP3A4 and P.gp increase Storburns concentrations. Indexers of CYP3A4 and P.ge decrease Storburns concentrations. Storburns is extensively metabolized by O-demethylation and/or hydroxylation. Seven major metabolizes, including hydroxy, demethyl, and hydroxydemethyl, are edurifiable in whole bodo. Smore of these metabolizes are also detectable in plansa, feeal, and unse samples. Storburns is the major component in human whole blood and contributes to more than 90% of the immunosuppressive activity.

atton an \pm SD terminal elimination half life (t½) of Sirolimus after multiple dosing in stable renal transplant patients was estimated bout 62 \pm 16 hours.

to be about 62 ± INDICATIONS

INDICATIONS "International and the prophylaxis of organ rejection in adult patients at low to moderate immunological risk receiving a read transplant. It is recommended that Sironume⁴ be used initially in combination with cyclosporine micro-emulsion and corticosteroids for 2 0 a nouths. Sironume⁴ may be continued as maintenance therapy with corticosteroids only if cyclosporine micro-emulsion can be progressively discontinued. **CONTRAINDUCATIONS** - 1 hypersensitivity to the active substance or to any of the excipients. **PRECAUTORS** Sirolinus has not been adequately studied in patients at high immunological risk, therefore use is not recommended in this group of natients.

FRE-CAU FUONS
 Strollmus has not been adequately studied in patients at high immunological risk, therefore use is not recommended in this group of patients.
 Inpatients with delayed graft function, Sirollmus may delay recovery of renal function.
 Hypersensitivity reactions: Hypersensitivity reactions, including anaphylactic/anaphylactio/anaphylactia/anaphylactia/anaphylactia/anaphylactio/anaphylactio/anaphyl

vecentiariaded. Angleisents-coverting extyne inhibitors (ACE): The inconcentiant administration of Strollmas and angiotensis-coverting extyne inhibitors has resulted in angioneurotic dedma-type reactions. - Vaccination: Immunosuppressants any affect response to vaccination. During treatment with immunosuppressants, including Strollmas, vaccination may be less effective. The use of live vaccines should be avoided during treatment with Strollmas. - Malignaney. Theread vasceptibility to infection and the possible development of lymphoma and other malignancies, particularly of the skin, may result from immunosuppression. As usual for patients with increased risk for skin eancer, exposure to sunlight and UV high should be limited by wearing protective choling and using a suncerptibility to infection after (based of the strong s

(FILE), in Additional Consider in the differential diagnosis in minimator processing and intervention of the processing and the prophylaxis and the prophylaxis is therefore, antimicrobial prophylaxis for Preumosystic carinii pneumonia should be administered for the first 12 months following transplantation. CMVD prophylaxis is recommended for 3 months after transplantation, particularly for patients at increased risk. Cytomegalovi for CMV dise

transplantation.
 Cytomegalovirus (CNV) prophylaxis is recommended for 3 months after transplantation, particularly for patients at increased risk for CMV disease.
 Hepatic impairment: In hepatically impaired patients, it is recommended that Sirolinus whole blood trough levels be closely monitored. In patients with severe hepatic impairment, reduction in maintenance does by one half is recommended based on decreased cleances. Since half-file is producing the negations, theraptenic monitoring of the medicinal product ating a loading decreased cleance. Since half-file is producing the negations, theraptenic monitoring of the medicinal product ating a loading decreased cleance or lang transplant prophations: The tarify and efficiency of Sindhurs as immentations where the single load of the single set of the singl

DRUG INTERACTIONS

DBUG INTERACTIONS Storlow as executively metabolized by the CYP3A4 isozyme in the intestinal wall and liver. Strolimus is also a substrate for the multidang efflux pump, Peglycoprotein (P-gp) located in the small intestine. Therefore, absorption and the subsequent elimination of Strolimus may be influenced by ubstrates that affect these proteins. Inhibitors of CYP3A4 (use has a ketoconzole), curionazole, intaconzole, telithromycin, or clarithromycin) decrease the metabolism of Strolimus and increase Strolimus levels. Inducers of CYP3A4 (use has a finging) or trilabulini increase the metabolism of Strolimus and decrease Strolimus levels. Inducers of Strolimus with strong inhibitors of CYP3A4 or inducers of CYP3A4 and P-gp; co-administration of Strolimus tables and riftangican (TyPA44 inducer): Riftenging in a strong inducer of CYP3A4 and P-gp; co-administration of Strolimus tables and riftangican (TyPA44 inducer): Riftengione in a strong increase in bihitis of CYPA44 and P-gp; Co-administration of Strolimus tables and riftangican (TyPA44 inducer): Riftengione in a strong increase in bihitis of CYPA44 and P-gp; Co-administration of Strolimus tables and riftangican (TyPA44 inducer): Riftengican (TyPA44 and P-gp; Co-administration of Strolimus tables).

potential should be considered. Ketconazole (CPJA) 41 inhibitor), Ketoonazole is a strong inhibitor of CYP3A4 and P-gp, co-administration of Sirolimus tablets and ketoonazole is not recommended. Viorionazole (CPJA) 41 inhibitor), Co-administration of Sirolimus (2 mg single dose) with multiple-dose administration of oral viorionazole (400 mg every 12 hours for 1 day, then 100 mg every 12 hours for 8 days) in healthy subjects has been reported to increase Stoilmus C_____and AUC by an average of 7-16 dai and 1-16 dd, respectively. Co-administration of Sirolimus and viorionazale

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Sirolimus blood levels (e.g., calcium channel blockers: Nicardipine; antifungal agents: Clotrimazole, fluconazole; antibiotics: Troleandomycin; udret substances: Bromoeriptine; cinetidine; danzadi, protease inhibitors). (Upyrcium perfortantum), anticonvaluents: Carbunaregine; henobarbital, pherosynthi, Danbool levels (e.g., St. John's Wert (Upyrcium perfortantum), anticonvaluents: Carbunaregine; henobarbital, pherosynthi, Danbool levels (e.g., St. John's Wert (Upyrcium perfortantum), anticonvaluents: Carbunaregine; henobarbital, pherosynthi, Danbool levels (e.g., St. John's Wert edive substance in ot expected to inhibit the activity of henes inoryme in vivo since the Sirolimus concentrations eccesary to produce inhibition are much higher than those observed in patients receiving therapeutic doses of Sirolimus. Inhibitors of P-gp may decrease the efflux of Sirolimus from instantial cells and increases Sirolimus evels. Grapefinit juice affects CYP3A4-mediated metabolism, and should therefore be avoided Pharmacokinetic interactions may be observed with gastrolicationale, miceflux predictionale, and efflux performances and the evels. Scyclowit, advarsatin, digoxin, gibbenchanden, denstyprechanolene, and predictiones, miceflux performances and transchanden transcharationatore. ADVELNE: EFFECTS

no emeally significant planmacokinetic interaction was observed between Strollmus and any of the following substances: Acyclovit, storwatin, dgoix, gibbenclamide, nethylprednisolone, nifediput, prednisolone, and information, prednisolone, and information, prednisolone, and information, strong strong and a diverse reactions (occurring in >10% of patients) are thrombocytopenia, hypertriglycerting, hypertriglycer

Gastrointestinal disorders: Abdominal parti, natarnea, constipation, nanaca very (common), assumano, assum General disorders and administration site conditions: Peripheral edema, pyrexia, pain (very common); impaired healing, edema

Lexown).
 Consertal domention of the conditions. Peripheral edema, pyrexia, pain (very common), impaired healing, edema of General domention of the conditions. Peripheral edema, pyrexia, pain (very common), increased aspartate miniotransferses (common).
 Insurusosppression increases the susceptibility to the development of lymphona and other maliguancies, particularly of the skin.
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 Cases of BK virus-associated enphyringhy, as vell as cases of ZV virus-associated porgressive nutifical elucionechalophyt (PML), have been reported. Find may increases alter brough Stindinus level increases.
 Inpaired with elevated trough Stindinus levels.
 Inpaired bealing Stindinus. In some cases, the interstitial lung disease has resolved upon discontinuation or dose reduction of distription (cg. yound, yacudar, airway, ureferd), hillings.
 Inpaired bealing following transplant surgery has been reported, including fascial dehicence, incisional hernia, and anastonnetic distruption (cg. yound, yacudar, airway, ureferd), hillings.
 Inpaired bealing following transplant surgery has been reported. Including discust during the reported including fascial dehicence, incisional hernia, and anastonnetic distruption (cg. yound, yacudar, airway, urefurd), hillings.
 Inpaired with divedy and findincines. Storimus may delay recovery of reation function.
 The concontinat use of Storimus with a calcincurin inhibitor may increase the risk of calcincurin inhibitor-induced HUXDTTPT/MA.
 Foals agementa

use of Sirolimus in children and adolescents DOSAGE AND ADMINISTRATION

adults have not been conducted in children or adolescents below 18 years of age. There is insufficient experience to recommend the use of Stroilman's includies nat adolescents. Devolved and advectory of the strong of the stron

Most platents win received 2 mg of strommer 4 hours after cyclosportne naw whole moced trougn concentration more trouge therepeaties concentration more unitaring of the methodism lyreduct in all patterns. Optimality, adjustments in Strommar⁶ does should be based on more than a single trough level obtained more than 5 days after a previous doing change. Following the discontinuation of cyclosportne therapy, a target trough range of 12 to 20 ng/ml (chromatographic assay) is commercialed. Cyclosportne inhibits the metabolism of Strommer⁶, and consequently Strommar⁶ does will need to be 4-fold higher cyclosportne is discontinued, unless the Strommar⁶ does is necreased. On average, the Strommar⁶ does will need to be 4-fold higher cyclosportine is discontinued, unless the Strommar⁶ does is necreased. On average, the Strommar⁶ does will need to be 4-fold higher cyclosportine is discontinued, unless the Strommar⁶ does is necreased. On average, the Strommar⁶ does will need to be 4-fold higher to the rate of cyclosportine (2-fold functase). The rate at which the does of Strommar⁶ does will need as bead correspond to the rate of cyclosportine (2-fold functase). The rate at which the does of Strommar⁶ does will need subsuld correspond to the rate of cyclosportine (and during maintenance therapy (after discontinuation of cyclosportine), in most patients these adjustments can be based on simple proportion:. A loading does should be considered in addition to a new naintenance does whin its necessary to considerably increase Strommar⁶ does the addition of a dosing does, the loading does dos hould administered over 2 days. Strommer⁶ works should be considered at least 3 to 4 days after a loading does (3). The recommended 24-boart trough concentration ranges for Strommer⁶ are based on chromatographic methods. Several assay methodiogies have been used to measure the whole blod concentrations of Strommar⁶ cancentations were either measured using chromatographic methods of have been c

Simume*: <u>Hequis impairment</u> The elearance of Siromune* may be reduced in patients with impaired hepatic function. In patients with severe hepatic impairment, it is recommended that Siromune* whole blood trough levels be closely monitored in patients with impaired hepatic function. It is its is commended that Siromune* whole blood trough levels be closely monitored in patients with arguine thepatic function. It is its patients with severe hepatic impairment, maintoing should be performed every for 1 days until a consecutive trough levels have shown stable concentrations of Siromune* after dose adjustment or after loading dose due to the delay in reaching steady-state because of the projection also only. Tablets should not be crushed, cleved or split. To imminute variability, Siromune* should consistently be taken either with or without food. **OVEDOSACE** A present, three is minimal experience with overdose. One patient experienced an episode of atrial fibrillation after ingestion of 150

OVERDOSAGE At present, there is imianial experience with overdose. One patient experienced an episode of atrial fibrillation after ingestion of 150 mg of Sinolimus. In general, the adverse effects of overdose are consistent with those listed in "Adverse effects". General supportive measures should be initiadent and laces of overdose. Based on the poor aqueous solubility and high erythrocyte and plasma protein binding of Sirolimus, it is anticipated that Sirolimus will not be dialyzable to any significant extent. STORAGE CONDITIONS

Keep in original pack in intact condition Date of revision: May 2013.

This is a medicament - A medicament is a product which affects your health, and its consumption contrarys to instructions is dangerous for you - Follow strictly the detector's prescription, the method of use, and the medications of the physical structure of the structure of the medication of the physical structure of the structure of the - Do not by yourself interrupt the period of treatment prescribed for you - Medicament: keep out of reach of children - Councel of Arab Health Minister

Council of Arab Health Min Union of Arab Pharm: 1106/1

Benta S.A.L. Dbayeh - Lebanon