SEDEOGRA

(Sildenafil Citrate Film-Coated Tablets)

uct Name and Product Description

3RA/50ma): Blue, diamond-shaped, one side with "SF50" marked and the other side with "GPO" marked.

SEDEOGRA (100mg): Blue, diamond-shaped, one side with "SF100" marked and the other side with "GPO" marked,

Ilm-coated tablets.

2. Name and Strength of Active Ingredient
SEDEOGRA (50 mg): Each film-coated tablet contains Sildenafil 50 mg,
SEDEOGRA (100 mg): Each film-coated tablet contains Sildenafil 100 mg.
3. Pharmacodynamics/Pharmacokinetics

3.1 Pharmacodynamics

Facetile dystunction (ED)

Does not directly cause penile erections, but affects the response to sexual stimulation. The physiologic mechanism of erection of the penis involves release of nitric oxide (RO) in the corpus covernosum during sexual stimulation. NO then activates the enzyme quarrylate cyclase, which results in increased levels of cyclic guanonies monophosphate (cQMP), producing smooth muscle relaxion and infleys of blood to the corpus cavernosum. Sideratil enhances the effect of No by inhibiting phosphodisesterate type 5 (PDES), which is responsible for departation of cGMP in the corpus cavernosum; when sexual stimulation causes load relaxees of No. inhibition of PDES by splitation of cause increased levels of CGMP in the corpus cavernosum; resulting in smooth muscle relevation and inflew of blood to the corpus cavernosum; at recommended does, it has no effect in the absence of sexual stimulation.

3.2 Pharmacokinetics

Distribution
The values of distribution (Vd) for alideratil is 105 L. Sikinanti and its major croutating N-desmethyl metabolite are both approximately 96% bound to plasma proteins. Protein binding is independent of total drug concentrations.

Metabolism
Sikinanti is beared proteinsartly by the CPV2A4 (major) and CPV2C9 (minor) hepatic microscent leonerymes. The major circulating metabolite results from N-demonstration of all-demonstration of all-entral on its latefl further metabolized. The metabolite assets from N-demonstration of all-entral is latefl further metabolized. The metabolite asset proteins of the protein of PDES approximately 50% of the parent drug, in healthy columners, plasma concentrations of this metabolite as approximately 40% of those seen for sidenatil. The N-desmethyl metabolite is suffer metabolized, with a terminal half-let of approximately 40% of those seen for sidenatil. The N-desmethyl metabolite is suffer metabolized, with a terminal half-let of approximately 4 hours.

metabolite is further metabolized, with a terminal hall-life of approximately 4 hours.

Elimination
Hall-life dimination of siderall is 4 hours; the elisaly and those with severe rarial inparament or hepatic function impairment, hepatic crinicasis (Child Fugir Class A and B) have reduced clearance of siderall and its active N-deamethyl metabolite. After either oral administration, siderantil is excreted as metabolites predominantly in the feces (approximately 80%) and to a lesser active in the urine (approximately 13%).

4. Indication
Literative Transmitter of erectile dysfunction (ED).

5. Recommended Dose

6. Necommenced Lose Adults: Casage: 50 mg taken as needed, approximately 1 hour before sexual activity. However, sildenafil may be taken anywhere from 30 minutes to 4 hours before sexual activity.
• Naturium doses 100 mg once daily. The maximum recommended dosing frequently is once daily.
• Obage adjustment May be increased or a maximum occommended dose of 100 mg or decreased to 25 mg, based on

Dosage adjustment May be increased to a maximum recommended dose of 100 mg or decreased to 2n efficiency and tolerations with caution. Starting dose of 25 mg should be considered.

Eleterly 2 68 years: Use with caution. Starting dose of 25 mg should be considered to Dosage considerations for patients stable on alpha-shockers. Initial 25 mg.

Dosage adjustment for concomitant use of potent OYPAM Inhibitors.

Not to exceed a maximum single dose of 25 mg for siderall should be considered. Polymorphin, inscended, the behavior assumption of siderall 25 mg in a 48-hour period.

Dosage adjustment in read impairment in read impairment in read impairment in read impairment in happatic impairment in happatic impairment of studied in severe impairment (Child-Pugh class C).

Mode or Administrational Americans and Americans

a. mode or Administration
Administer orally approximately 1 hour before sexual activity (may be used anytime from 30 minutes to 4 hours before).
Idea: The tablet cannot split and should be taken as whole
Contraindication.

sated in patients with known hypersensitivity to sildenafil or any component of the formulation rly/intermittently) of organic nitrates in any form (e.g., nitroglycerin, isosorbide dinitrate).

Sildenati is contraindicated in patients of concurrent use (regularly/intermittently). 8. Warnings and Precautions. Concerns related to adverse effects: - Visual disturbances: May cause dose-

Concerns related to adverse effects:

- Value disturbances May cause dose-related impairment of color discrimination (blue' green). Use is not recommended in patients with relativist pigmentosa. A microfly of feetings grammatical have genetic discriders of relating phosphodiseletrances from soft to adverse formation available).

- Heaving loss: Sudden decrease or loss of hearing has been reported rarely, hearing changes may be accompanied by infinitional and carbons. A direct relationarily between therapy and hearing loss has not been determined.

- Hypotenistic Decreases in thoold pressure may occur due to vascellator effects; use with causion in patients with left hearing has been considered to the control of the c

- Hypomothers: untresses a new section of the period principal and point and

treatment for erceite dysfunction.

Conditions precisions to preligious full set with caution in patients who have conditions which may predispose them to principle incided cell anemia. multiple myeloma, leukemia). All patients should be instructed to seek immediate medical attention if exection presists > 4 hours.

- Repair impairment: Use with caution in patients with heptic impairment use lowest starting dose (25 mg).

- Replica index diseases: Use with caution in patients with active peptic sider disease; safely and efficacy have not been established.

- Renall impairment: Use with caution in patients with mad impairment; dose adjustment may be needed; use lowest starting dose (25 mg) is severe dysfunction (Cl. _{cl.} < 30 mL/minute).

starting dose (20 mg in steries uppermoved in a common land of the common starting dose (20 mg in steries uppermoved in a common starting starting

receiving disonal!

- High potential for Interactions: Use with caution in patients taking strong CVP3As inhibitors (e.g., ritonavir can increase siderand! livels, initiate silderand! all discreased dose); consider alternative agents that avoid or lessen the potential for CVP-modiated interactions.

- Nitraese: Concomitant (regularly/intermittently) use with all forms of initiates is contradicated. It initiate administration is medically increasing, it is not known when initiates can be safely administered following the use of disternity. He American College of Cardiology / American Heart Association (ACC/AHA) 2007 guidelines supports administration of nitrates only if 2 Hours have elleged. Lesings of Cardidogy/ American Heart Association (ACC/HAI) 2007 guidelines supports administration for the season of the control of the contr

afil metabolism is principally mediated by the cytochrome P450 (CYP) isoforms 3A4 (major route) and 2C9

ute). Therefore, inhibitors of these isoenzymes may reduce sildenafil clearance and inducers of these isoenzynases sildenafil clearance.

In vivo studies:

Population pharmacokinetic analysis of clinical trial data indicated a reduction in sidaranti clearance when co administered with CVP344 inhibitors (such as lettocorazete, erythromycin, cimeticniq).

Cimeration (800 mg) a cyloristome P840 inhibitor and annospecific CVP344 inhibitor, caused a 55% increase in plasma sideratil concentrations when coadministered with sigheratil (500 mg) to healthy volunteers.

When a night 100 mg doos of sideratific area sideratil (500 mg) to healthy volunteers.

(500 mg bid for 5 days), three was a 152% increase in sideratil systemic exposure (AUC), in addition, coadministration of the HIV protesse inhibitor scaparium; also a CVP344 hithbitor, a steady state (200 mg bid) with sideratil (100 mg single does) resulted in a 140% increase in sideratil Crona and a 210% increase in sideratil Crona and a 610% increase in 610% increase increase increase in

sequency premacovenects stronger CVP-044 innoteors such as sectionarizes and intonorazione would be expected to have greater effects.

Coadministration with the HIV proteoses initiative informity which is a highly potent P450 inhibitor, as stassly state (500 mg single dose) resulted in a 300% (4-fold) increase in adismalf Cmax and a 1000% (4-fold) increase in adismalf Cmax and a 1000% of the coadministration and coadministration of advanced on one office or additional or the coadministration of advanced or advanced or an effect or additional or the coadministration and coadministration of advanced in the coadministration and coadministration and coadministration and coadministration and coadminis

Effects of spenning on vocanic materials and security of the spening of the speni

Given steenable place; glasma concernations of approximately 1 jlM after recommended doses, it is unlevely that splonately validate the claimance of substitutes of these isonarysmus.

Safernally was alrown to potentiate the hypothersive effect of acute and chronic nitrates. Therefore, use of nitric coide donors, organic nitrates in any from either regularly or internitately with salidantal is continuationable.

In three specific drug-drug interaction studies, the alpha-al-colorer douzonain (4 mg and 8 mg) and sillardatal (25 mg, 50 mg, or 100 mg) were administered smillardated, but the heigh prostate from preparation (4 mg) and sillardatal (25 mg, 50 mg, or 100 mg) were administered smillardated, the salidated on douzonain therapy. In these study populations, mean additional reductions of standing blood pressure of 60 mm/g, and 15/m mm/g, and 5/m mm/g, and 5

otherwise Unity or Vice (1994) (60 mg/dd.).

No interaction was seen when siderall (100 mg) was condiministered with amilodipine in hypertensive patients. The mean additional relation on spine blood pressure was 8 mm/leg systelic and 7 mm/leg disabelic.

Analysis of the safety database showed no difference in the side effect profile in patient taking siderall with and without

Pregnancy
Pregnancy category B
Transportio effects were not observed in animal studies. There are no adequate and well-controlled studies in pregnant

Lactation Excretion in breast milk unknown/use caution

Cardiovascular :	Flushing (10%), angina pectoris, chest pain, hypotension, palpitation, posture hypotension, syncope, tachycardia (< 2%), abnormal electrocardiogram attrioventricular (AV) block, cardiac arrest, cardiomyopathy, cerebra thrombosis, heart fallure, myocardial isohemia, hypertension
Central nervous system :	Headache (46%), insomnia (7%), paresthesia (3%), dizziness (2%), abnorms draams, ataxia, decreased reflexes, depression, hypertonia, hyperesthesia migraine, neuralgia, neuropathy, tremor, vertigo (< 2%) Postmarkeling: anviety, seizure
Dermatologic :	Erythema (6%), rash (2%), contact dermatitis, exfoliative dermatitis photosensitivity, herpes simplex, pruritus, skin ulcer, sweating, urticaria (< 2%)
EENT (Ear, eye, nose, and throat system) :	Epistaxis (9%), nasel congestion, minitis (4%), abnormal vision (3%), catarac conjunctivitàs, dry eyes, ear pain, eye henormage, eye pain, mydriasis photophoba, sudiom decrease or loss of hearing, trinitis (2 %). Postemakeling, diphopia, increased intraocular pressure, coular buming, ocular redness, ocular swelling, retinal vascular disease, temporary vision loss decreased vision. Viterous detachment
Gastrointestinal:	Dyspepsia (17%), diarrhea (9%), gastritis (3%), coltis, dry mouth, dysphagis esophagitis, gastroenteritis, gingivitis, glossitis, rectal hemorrhage, stomatitis vomiting (< 2%), abnormal liver function tests (< 2%)
Genitourinary :	Urinary tract infection (3%), abnormal ejaculation, anorgasmia, breas enlargement, cystitis, genital edema, nocturia, urinary frequency, urinary incontinence (< 2%), hematuria, priapism
Hematologic :	Anemia, leukopenia (< 2%)
Metabolic :	Edema, gout, hyperglycemia, hypernatremia, hyperuricemia, hypoglycemic reaction, peripheral edema, thirst, unstable diabetes
Musculoskeletal :	Myalgia (7%), arthritis, arthrosis, bone pain, myasthenia, synovitis, tendor rupture, tenosynovitis
Respiratory :	Dyspnea exacerbated (7%), sinusitis (3%), asthma, bronchitis, increase cough, increased sputum, laryngitis, pharyngitis (< 2%)
Miscellaneous :	Pyrexia (6%), allergic reaction, asthenia, chills, face edema, pain, shock anaphylactic reaction

12. Overdose and Treatment

12. Overdose and Irreaum.

Manifestation
In studies with healthy volunteers of single elidensfill doses up to 800 mg, auronaments of single elidensfill doses up to 800 mg, auronaments of several consistence.

Treatment
In cases of overdose, adopt standard supportive measures as required. Renal dialysis is not expected to accelerate clearance as these drugs are highly bound to plasma proteins and are not significantly eliminated in urins.

13. List of Excipients
Microcrystaliane Calidose PH101

——How Godburn (type A)

Microcrystalline Cellulose PH101 Croscamellose Sodium (type A) Polyvinyl pyrrolidone K30 Purified water Microcrystalline Cellulose PH102

Sodium Starch Glycolate Colloidal Silicon Dioxide Magnesium Stearate

Colloidal Silicon Dioxide
Magnesium Stearate
Opadry Blue OY-30921
Opadry Clear YS-1-7006
14. Storage condition
Store below 30 °C and protect from light
15. Dosage Form and Packaging Available
Box of 4 film-coated tablets

Dot or il milim-coasso daross of Manufacturing
The Government Pharmaceutical Organization
Main Office: 7:31 Rama VI Pd., Rastchathewi, Bangkok, Thalland
Manufacturer: 138 Moo 4, Rangal-Nakhormayok Rd., Bueng Sanan, Thanyaburi, Pathumthani, Thalland

17. Date of Revision of Package Insert