

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use SILDENAFIL FOR ORAL SUSPENSION safely and effectively. See full prescribing information for SILDENAFIL FOR ORAL SUSPENSION.

SILDENAFIL for oral suspension
Initial U.S. Approval: 1998
INDICATIONS AND USAGE
 Sildenafil is a phosphodiesterase-5 (PDE-5) inhibitor indicated for the treatment of pulmonary arterial hypertension (PAH) (WHO Group I) in adults to improve exercise ability and delay clinical worsening. Studies establishing effectiveness were short-term (12 to 16 weeks), and included predominantly patients with NYHA Functional Class II-III symptoms. Etiologies were idiopathic (71%) or associated with connective tissue disease (25%), (1)

Limitation of Use: Adding sildenafil to bosentan therapy does not result in any beneficial effect on exercise capacity. (1, 14)
DOSE AND ADMINISTRATION
 Oral suspension: 5 mg or 20 mg three times a day, 4 to 6 hours apart; see full prescribing information for reconstitution instructions for the Powder for Oral Suspension (2.1, 2.3)
DOSE FORMS AND STRENGTHS
 For Oral Suspension: 10 mg/mL (when reconstituted) (3)
CONTRAINDICATIONS
 Use with organic nitrates or riociguat (4)
 History of hypersensitivity reaction to sildenafil or any component of the tablet, injection, or oral suspension (4)
WARNINGS AND PRECAUTIONS
 Increased mortality with increasing doses in pediatric patients. Not recommended for use in pediatric patients. (5.1)

Vasodilation effects may be more common in patients with hypotension or on antihypertensive therapy. (5.2)
 Use in pulmonary veno-occlusive disease may cause pulmonary edema and is not recommended. (5.3)
 Hearing or vision impairment: Seek medical attention if sudden decrease or loss of vision or hearing occurs. (5.5, 5.6)
 Pulmonary hypertension secondary to sickle cell disease: Sildenafil may cause serious vaso-occlusive crises. (5.9)
ADVERSE REACTIONS
 Most common adverse reactions greater than or equal to 3% and more frequent than placebo were epistaxis, headache, dyspepsia, flushing, insomnia, erythema, dyspnea, and rhinitis. (6.1, 6.2)
DRUG INTERACTIONS
 Concomitant alpha-blockers or antidiuretic: Note additive blood pressure lowering effects. (7)
 Use with ritonavir and other potent CYP3A inhibitors: Not recommended. (7, 12.3)
 Concomitant PDE-5 inhibitors: Avoid use with Viagra or other PDE-5 inhibitors. (5.7)
PATIENT COUNSELING INFORMATION AND FDA-approved patient labeling

Revised: 2/2020

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FULL PRESCRIBING INFORMATION
1 INDICATIONS AND USAGE
 Sildenafil for oral suspension is indicated for the treatment of pulmonary arterial hypertension (WHO Group I) in adults to improve exercise ability and delay clinical worsening. The delay in clinical worsening was demonstrated when sildenafil for oral suspension was added to background epoprostenol therapy [see Clinical Studies (14)]. Studies establishing effectiveness were short-term (12 to 16 weeks), and included predominantly patients with New York Heart Association (NYHA) Functional Class II-III symptoms and idiopathic etiology (71%) or associated with connective tissue disease (CTD) (25%).
Limitation of Use: Adding sildenafil to bosentan therapy does not result in any beneficial effect on exercise capacity [see Clinical Studies (14)].
2 DOSAGE AND ADMINISTRATION
2.1 Sildenafil for Oral Suspension
 The recommended dose of sildenafil for oral suspension is 5 mg or 20 mg three times a day. Administer sildenafil for oral suspension doses 4 to 6 hours apart.
 In the clinical trial no greater efficacy was achieved with the use of higher doses. Treatment with doses higher than 20 mg three times a day is not recommended.
2.3 Reconstitution of the Powder for Oral Suspension
Note: Reconstitute the contents of the bottle with a total volume of 90 mL (60 mL followed by 30 mL). Refer to the detailed instructions below.
 1. Tap the bottle to release the powder.
 2. Remove the cap.
 3. Accurately measure out 60 mL of water and pour the water into the bottle. (Figure 1)
 4. Replace the cap and shake the bottle vigorously for a minimum of 30 seconds. (Figure 2)
 5. Remove the cap.

Sildenafil for Oral Suspension
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6. Accurately measure out another 30 mL of water and add this to the bottle. You should always add a total of 90 mL of water irrespective of the dose prescribed. (Figure 3)

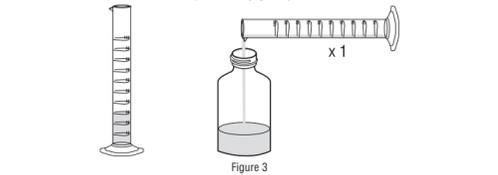


Figure 3

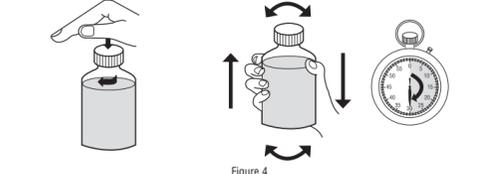


Figure 4

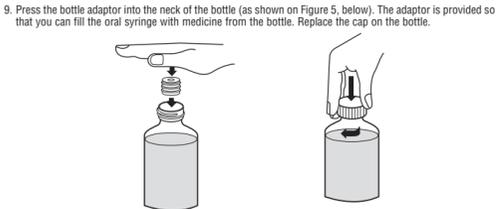


Figure 5

8. Remove the cap.
 9. Press the bottle adaptor into the neck of the bottle (as shown on Figure 5, below). The adaptor is provided so that you can fill the oral syringe with medicine from the bottle. Replace the cap on the bottle.

10. Write the expiration date of the reconstituted oral suspension on the bottle label (the expiration date of the reconstituted oral suspension is 60 days from the date of reconstitution).

4 CONTRAINDICATIONS
 Sildenafil is contraindicated to patients with:
 • Concomitant use of organic nitrates in any form, either regularly or intermittently, because of the greater risk of hypotension [see Warnings and Precautions (5.1)].
 • Concomitant use of riociguat, a guanylate cyclase stimulator. PDE-5 inhibitors, including sildenafil, may potentiate the hypotensive effects of riociguat.
 • Known hypersensitivity to sildenafil or any component of the tablet, injection, or oral suspension. Hypersensitivity, including anaphylactic reaction, anaphylactic shock and anaphylactoid reaction, has been reported in association with the use of sildenafil.

5 WARNINGS AND PRECAUTIONS
5.1 Mortality with Pediatric Use
 In a long-term trial in pediatric patients with PAH, an increase in mortality with increasing sildenafil dose was observed. Deaths were first observed after about 1 year and causes of death were typical of patients with PAH. (8.4)
5.2 Hypotension
 Sildenafil has vasodilatory properties, resulting in mild and transient decreases in blood pressure. Before prescribing sildenafil, carefully consider whether patients with certain underlying conditions could be adversely affected by such vasodilatory effects (e.g., patients on antihypertensive therapy or with resting hypotension [BP less than 90/50], fluid depletion, severe left ventricular outflow obstruction, or autonomic dysfunction). Monitor blood pressure when coadministering blood pressure lowering drugs with sildenafil.
5.3 Worsening Pulmonary Vascular Occlusive Disease
 Pulmonary vasodilators may significantly worsen the cardiovascular status of patients with pulmonary veno-occlusive disease (PVOD). Since there are no clinical data on administration of sildenafil to patients with pulmonary veno-occlusive disease, administration of sildenafil to such patients is not recommended. Should signs of pulmonary edema occur when sildenafil is administered, consider the possibility of associated PVOD.
5.4 Epistaxis
 The incidence of epistaxis was 13% in patients taking sildenafil with PAH secondary to CTD. This effect was not seen in idiopathic PAH (sildenafil 3%, placebo 2%) patients. The incidence of epistaxis was also higher in the sildenafil-treated patients with a concomitant oral vitamin K antagonist (9% versus 2% in those not treated with concomitant vitamin K antagonist).
 The safety of sildenafil is unknown in patients with bleeding disorders or active peptic ulceration.
5.5 Visual Loss
 When used to treat erectile dysfunction, non-arteric anterior ischemic optic neuropathy (NAION), a cause of decreased vision including permanent loss of vision, has been reported postmarketing in temporal association with the use of phosphodiesterase type-5 (PDE-5) inhibitors. Not all of these patients had underlying anatomic or vascular risk factors for developing NAION, including but not necessarily limited to: low cup to disc ratio ("crowded disc"), age over 50, diabetes, hypertension, coronary artery disease, hyperlipidemia and smoking. Based on published literature, the annual incidence of NAION is 2.5 to 11.8 cases per 100,000 males aged 50 years in the general population.
 An observational case-crossover study evaluated the risk of NAION when PDE-5 inhibitor use, as a class, occurred immediately before NAION onset (within 5 half-lives), compared to PDE-5 inhibitor use in a prior time period. The results suggest an approximate 2-fold increase in the risk of NAION, with a risk estimate of 2.15 (95% CI 1.06, 4.34). A similar study reported a consistent result, with a risk estimate of 2.27 (95% CI 0.99, 5.20). Other risk factors for NAION, such as the presence of "crowded" optic disc, may have contributed to the occurrence of NAION in these studies.
 Neither the rare postmarketing reports, nor the association of PDE-5 inhibitor use and NAION in the observational studies, substantiate a causal relationship between PDE-5 inhibitor use and NAION [see Adverse Reactions (6.2)].
 Advise patients to seek immediate medical attention in the event of a sudden loss of vision in one or both eyes while taking PDE-5 inhibitors, including sildenafil. Physicians should also discuss the increased risk of NAION with patients who have already experienced NAION in one eye, including whether such individuals could be adversely affected by use of vasodilators, such as PDE-5 inhibitors.
 There are no controlled clinical data on the safety or efficacy of sildenafil in patients with retinitis pigmentosa, a minority who may have genetic disorders of retinal phosphodiesterases. Prescribe sildenafil with caution in these patients.
5.6 Hearing Loss
 Cases of sudden decrease or loss of hearing, which may be accompanied by tinnitus and dizziness, have been reported in temporal association with the use of PDE-5 inhibitors, including sildenafil. In some of the cases, medical conditions and other factors were reported that may have played a role. In many cases, medical follow-up information was limited. It is not possible to determine whether these reported events are related directly to the use of sildenafil, to the patient's underlying risk factors for hearing loss, a combination of these factors, or to other factors.
 Advise patients to seek prompt medical attention in the event of sudden decrease or loss of hearing while taking PDE-5 inhibitors, including sildenafil.
5.7 Combination with other PDE-5 inhibitors
 Sildenafil is also marketed as VIAGRA®. The safety and efficacy of combinations of sildenafil with VIAGRA or other PDE-5 inhibitors have not been studied. Inform patients taking sildenafil not to take VIAGRA or other PDE-5 inhibitors.

5.8 Priapism
 Use sildenafil with caution in patients with anatomical deformation of the penis (e.g., angulation, cavernosal fibrosis, or Peyronie's disease) or in patients who have conditions, which may predispose them to priapism (e.g., sickle cell anemia, multiple myeloma, or leukemia). In the event of an erection that persists longer than 4 hours, the patient should seek immediate medical assistance. If priapism (painful erection greater than 6 hours in duration) is not treated immediately, penile tissue damage and permanent loss of potency could result.
5.9 Vaso-occlusive Crisis in Patients with Pulmonary Hypertension Secondary to Sickle Cell Anemia
 In a small, prematurely terminated study of patients with pulmonary hypertension (PH) secondary to sickle cell disease, vaso-occlusive crises requiring hospitalization were more commonly reported by patients who received sildenafil than by those randomized to placebo. The effectiveness and safety of sildenafil in the treatment of PAH secondary to sickle cell anemia has not been established.

6 ADVERSE REACTIONS
 The following serious adverse events are discussed elsewhere in the labeling:
 • Mortality with pediatric use [see Warnings and Precautions (5.1) and Use in Specific Populations (8.4)]
 • Hypotension [see Warnings and Precautions (5.2)]
 • Vision loss [see Warnings and Precautions (5.5)]
 • Hearing loss [see Warnings and Precautions (5.6)]
 • Priapism [see Warnings and Precautions (5.8)]
 • Vaso-occlusive crisis [see Warnings and Precautions (5.9)]
6.1 Clinical Trials Experience
 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.
 Safety data of sildenafil in adults were obtained from the 12-week, placebo-controlled clinical study (Study 1) and an open-label extension study in 277 sildenafil-treated patients with PAH, WHO Group I [see Clinical Studies (14)].
 The overall frequency of discontinuation in sildenafil-treated patients on 20 mg three times a day was 3% and was the same for the placebo group.
 In Study 1, the adverse reactions that were reported by at least 3% of sildenafil-treated patients (20 mg three times a day) and were more frequent in sildenafil-treated patients than in placebo-treated patients are shown in Table 1. Adverse reactions were generally transient and mild to moderate in nature.

Table 1. Most Common Adverse Reactions in Patients with PAH in Study 1 (More Frequent in Sildenafil-Treated Patients than Placebo-Treated Patients and Incidence ≥ 3% in Sildenafil-Treated Patients)

	Placebo, % (n = 70)	Sildenafil 20 mg three times a day, % (n = 69)	Placebo-Subtracted, %
Epistaxis	1	7	6
Headache	39	46	7
Dyspepsia	7	13	6
Flushing	4	10	6
Insomnia	1	7	6
Erythema	1	7	6
Dyspnea exacerbated	3	7	4
Rhinitis	0	4	4
Diarrhea	4	4	0
Myalgia	0	7	7
Pyrexia	3	6	3
Gastritis	0	3	3
Sinusitis	0	3	3
Paresthesia	0	3	3

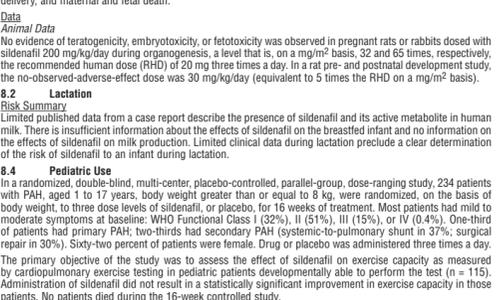
At doses higher than the recommended 20 mg three times a day, there was a greater incidence of some adverse reactions including flushing, diarrhea, myalgia and visual disturbances. Visual disturbances were identified as mild and transient, and were predominantly color-tinge to vision, but also increased sensitivity to light or blurred vision.

Table 2. Adverse Reactions (%) in patients with PAH in Study 2 (incidence in Sildenafil + Epoprostenol group at least 6% greater than Epoprostenol group)

	Sildenafil + Epoprostenol (n = 134)	Epoprostenol (n = 131)	(Sildenafil + Epoprostenol) minus Epoprostenol
Headache	57	34	23
Edema*	25	13	14
Dyspepsia	16	2	14
Pain in extremity	17	6	11
Diarrhea	25	18	7
Nausea	25	18	7
Nasal congestion	9	2	7

* includes peripheral edema
6.2 Postmarketing Experience
 The following adverse reactions have been identified during post approval use of sildenafil (marketed for both PAH and erectile dysfunction). Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.
Cardiovascular Events
 Sildenafil with sildenafil at doses indicated for erectile dysfunction, serious cardiovascular, cerebrovascular, and vascular events, including myocardial infarction, sudden cardiac death, ventricular arrhythmia, cerebrovascular hemorrhage, transient ischemic attack, hypertension, pulmonary hemorrhage, and subarachnoid and intracerebral hemorrhages have been reported in temporal association with the use of the drug. Most, but not all, of these patients had preexisting cardiovascular risk factors. Many of these events were reported to occur during or shortly after sexual activity, and a few were reported to occur shortly after the use of sildenafil without sexual activity. Others were reported to have occurred hours to days after use concurrent with sexual activity. It is not possible to determine whether these events are related directly to sildenafil, to sexual activity, to the patient's underlying cardiovascular disease, or to a combination of these or other factors.
Nervous system
 Seizure, seizure recurrence
Ophthalmologic
 NAION [see Warnings and Precautions (5.5) and Patient Counseling Information (17)].
7 DRUG INTERACTIONS
Nitrates
 Concomitant use of sildenafil with nitrates in any form is contraindicated [see Contraindications (4)].
Ritonavir and other PDE-5 Inhibitors
 Concomitant use of sildenafil with ritonavir and other potent CYP3A inhibitors is not recommended [see Clinical Pharmacology (12.3)].
Other drugs that reduce blood pressure
Alpha blockers in drug-drug interaction studies, sildenafil (25 mg, 50 mg, or 100 mg) and the alpha-blocker doxazosin (4 mg or 8 mg) were administered simultaneously to patients with benign prostatic hyperplasia (BPH) stabilized on doxazosin therapy. In these study populations, mean additional reductions of supine systolic and diastolic blood pressure of 7/7 mmHg, 9/5 mmHg, and 8/4 mmHg, respectively, were observed. Mean additional reductions of standing blood pressure of 6/6 mmHg, 11/4 mmHg, and 4/5 mmHg, respectively, were also observed. There were infrequent reports of patients who experienced symptomatic postural hypotension. These reports included dizziness and light-headedness, but not syncope.
Antidiuretic. When sildenafil 100 mg oral was coadministered with furosemide, 5 mg or 10 mg oral, to hypertensive patients, the mean additional reduction on supine blood pressure was 8 mmHg systolic and 7 mmHg diastolic.
 Monitor blood pressure when coadministering blood pressure lowering drugs with sildenafil [see Warnings and Precautions (5.2)].
8 USE IN SPECIFIC POPULATIONS
8.1 Pregnancy
Risk Summary
 Limited published data from randomized controlled trials, case-controlled trials, and case series do not report a clear association with sildenafil and major birth defects, miscarriage, or adverse maternal or fetal outcomes when sildenafil is used during pregnancy. There are risks to the mother and fetus from untreated pulmonary arterial hypertension [see Clinical Considerations]. Animal reproduction studies conducted with sildenafil showed no evidence of embryo-fetal toxicity or teratogenicity at doses up to 32- and 65-times the recommended human dose (RHD) of 20 mg three times a day in rats and rabbits, respectively [see Data].
 The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Disease-Associated Maternal and/or Embryo/Fetal Risk
 Pregnant women with untreated pulmonary arterial hypertension are at risk for heart failure, stroke, preterm delivery, and maternal and fetal death.
Data
Animal Data
 No evidence of teratogenicity, embryotoxicity, or fetotoxicity was observed in pregnant rats or rabbits dosed with sildenafil 200 mg/kg/day during organogenesis, a level that is, on a mg/m² basis, 32 and 65 times, respectively, the recommended human dose (RHD) of 20 mg three times a day. In a rat pre- and postnatal development study, the non-observed-adverse-effect dose was 30 mg/kg/day (equivalent to 5 times the RHD on a mg/m² basis).
8.2 Lactation
Risk Summary
 Limited published data from a case report describe the presence of sildenafil and its active metabolite in human milk. There is insufficient information about the effects of sildenafil on the breastfed infant and no information on the effects of sildenafil on milk production. Limited clinical data during lactation preclude a clear determination of the risk of sildenafil to an infant during lactation.
8.4 Pediatric Use
 In a randomized, double-blind, multi-center, placebo-controlled, parallel-group, dose-ranging study, 234 patients with PAH, aged 1 to 17 years, body weight greater than or equal to 8 kg, were randomized, on the basis of body weight, to three dose levels of sildenafil, or placebo, for 16 weeks of treatment. Most patients had mild to moderate symptoms at baseline. WHO Functional Class I (32%), II (51%), III (15%), or IV (0.4%). One-third of patients had primary PAH; two-thirds had secondary PAH (systemic-to-pulmonary shunt in 37%; surgical repair in 30%). Sixty-two percent of patients were female. Drug or placebo was administered three times a day. The primary objective of the study was to assess the effect of sildenafil on exercise capacity as measured by cardiopulmonary exercise testing in pediatric patients developmentally able to perform the test (n = 115). Administration of sildenafil did not result in a statistically significant improvement in exercise capacity in those patients. No patients died during the 16-week controlled study.
 After completing the 16-week controlled study, a patient originally randomized to sildenafil remained on his/her dose of sildenafil or, if originally randomized to placebo, was randomized to low-, medium-, or high-dose sildenafil. After all patients completed 16 weeks of follow-up in the controlled study, the blind was broken and doses were adjusted as clinically indicated. Patients treated with sildenafil were followed for a median of 4.6 years (range 2 days to 8.6 years). Mortality during the long-term study, by originally assigned dose, is shown in Figure 6.
Figure 6. Kaplan-Meier Plot of Mortality by Sildenafil Dose

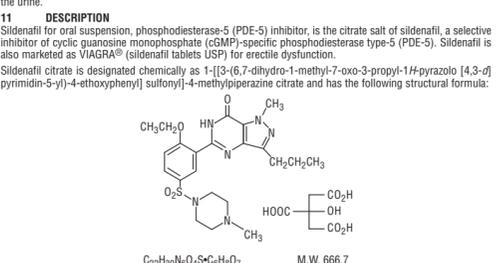


After chronic dosing of 80 mg three times a day sildenafil to patients with systemic hypertension, the mean change from baseline in systolic and diastolic blood pressures was a decrease of 9.4 mmHg and 9.1 mmHg, respectively.
 After chronic dosing of 80 mg three times a day sildenafil to patients with PAH, lesser reductions than above in systolic and diastolic blood pressures were observed (a decrease in both of 2 mmHg).
Effects of Sildenafil on Vision
 At single oral doses of 100 mg and 200 mg, transient dose-related impairment of color discrimination (blue/green) was detected using the Farnsworth-Munsell 100-hue test, with peak effects near the time of peak plasma levels. This finding is consistent with the inhibition of PDE6, which is involved in phototransduction in the retina. An evaluation of visual function at doses up to 200 mg revealed no effects of sildenafil on visual acuity, intraocular pressure, or pupillometry.

12.3 Pharmacokinetics
Absorption and Distribution
 Sildenafil is rapidly absorbed after oral administration, with a mean absolute bioavailability of 41% (25 to 63%). Maximum observed plasma concentrations are reached within 30 to 120 minutes (median 60 minutes) of oral dosing in the fasted state. When sildenafil is taken with a high-fat meal, the rate of absorption is reduced, with a mean delay in T_{max} of 80 minutes and a mean reduction in C_{max} of 29%. The mean steady state volume of distribution is 105 L, indicating distribution into tissues. Sildenafil and its major circulating, N-desmethyl metabolite are both approximately 96% bound to plasma proteins. Protein binding is independent of total drug concentrations.
 Bioequivalence was established between the 20 mg tablet and the 10 mg/mL oral suspension when administered as a 20 mg single oral dose of sildenafil (as citrate).
Metabolism and Excretion
 Sildenafil is cleared predominantly by the CYP3A (major route) and cytochrome P450 2C9 (CYP2C9, minor route) hepatic microsomal isoenzymes. The major circulating metabolite results from N-desmethylation of sildenafil, and is, itself, further metabolized. This metabolite has a phosphodiesterase selectivity profile similar to sildenafil and an *in vitro* potency for PDE-5 approximately 50% of the parent drug. In healthy volunteers, plasma concentrations of this metabolite are approximately 40% of those seen for sildenafil, so that the metabolite accounts for about 20% of sildenafil's pharmacologic effects. In patients with PAH, however, the ratio of the metabolite to sildenafil is higher. Both sildenafil and the active metabolite have terminal half-lives of about 4 hours.
 After either oral or intravenous administration, sildenafil is excreted as metabolites predominantly in the feces (approximately 80% of the administered oral dose) and to a lesser extent in the urine (approximately 13% of the administered oral dose).
Population Pharmacokinetics
 Age, gender, race, and renal and hepatic function were included as factors assessed in the population pharmacokinetic model to evaluate sildenafil pharmacokinetics in patients with PAH. The dataset available for the population pharmacokinetic evaluation contained a wide range of demographic data and laboratory parameters associated with hepatic and renal function. None of these factors had a significant impact on sildenafil pharmacokinetics in patients with PAH.
 In patients with PAH, the average steady-state concentrations were 20 to 50% higher when compared to those of healthy volunteers. There was also a doubling of C_{min} levels compared to healthy volunteers. Both findings suggest a lower clearance and/or a higher oral bioavailability of sildenafil in patients with PAH compared to healthy volunteers.
Geriatric Patients
 Healthy elderly volunteers (65 years or over) had a reduced clearance of sildenafil, resulting in approximately 84% and 107% higher plasma concentrations of sildenafil and its active N-desmethyl metabolite, respectively, compared to those seen in healthy young volunteers (18 to 45 years). Due to age-differences in plasma protein binding, the corresponding increase in the AUC of free (unbound) sildenafil and its active N-desmethyl metabolite were 45% and 57%, respectively.

Renal Impairment
 In volunteers with mild (CL_{cr} = 50 to 80 mL/min) and moderate (CL_{cr} = 30 to 49 mL/min) renal impairment, the pharmacokinetics of a single oral dose of sildenafil (50 mg) was not altered. In volunteers with severe (CL_{cr} less than 30 mL/min) renal impairment, sildenafil clearance was reduced, resulting in approximately doubling of AUC and C_{max}, compared to age-matched volunteers with no renal impairment. In addition, N-desmethyl metabolite AUC and C_{max} values were significantly increased 200% and 79%, respectively, in subjects with severe renal impairment compared to subjects with normal renal function.
Hepatic Impairment
 In volunteers with mild to moderate hepatic cirrhosis (Child-Pugh Class A and B), sildenafil efficacy was not reduced, resulting in increases in AUC (84%) and C_{max} (47%) compared to age-matched volunteers with no hepatic impairment. Patients with severe hepatic impairment (Child-Pugh class C) have not been studied.
Drug Interaction Studies
***In vitro* Interactions**
 Sildenafil metabolism is principally mediated by the CYP3A (major route) and CYP2C9 (minor route) cytochrome P450 isoforms. Therefore, inhibitors of these isoenzymes may reduce sildenafil clearance and inducers of these isoenzymes may increase sildenafil clearance.
 Sildenafil is a weak inhibitor of the cytochrome P450 isoforms 1A2, 2C9, 2C19, 2D6, 2E1 and 3A (C50) greater than 150 μM).
 Sildenafil is not expected to affect the pharmacokinetics of compounds which are substrates of these CYP enzymes at clinically relevant concentrations.

12.1 DESCRIPTION
 Sildenafil for oral suspension, phosphodiesterase-5 (PDE-5) inhibitor, is the citrate salt of sildenafil, a selective inhibitor of cyclic guanosine monophosphate (cGMP)-specific phosphodiesterase type-5 (PDE-5). Sildenafil is administered as a white to off-white crystalline powder containing 1.57 g of sildenafil citrate (equivalent to 1.12 g sildenafil). Sildenafil citrate is designated chemically as [1-[(6,7-dihydro-1-methyl-7-oxo-3-propyl-1H-pyrazolo [4,3-d]pyrimidin-5-yl)-4-ethoxyphenyl] sulfonyl]-4-methylpiperazine citrate and has the following structural formula:



Sildenafil citrate is a white to off-white crystalline powder with a solubility of 3.5 mg/mL in water. Sildenafil for oral suspension is supplied as white to off-white powder containing 1.12 g of sildenafil citrate (equivalent to 1.12 g sildenafil) in an amber glass bottle intended for reconstitution. Following reconstitution with 90 mL water, the volume of the oral suspension is 112 mL and the oral suspension contains 10 mg/mL sildenafil. The inactive ingredients include anhydrous citric acid, colloidal silicon dioxide, grape flavor, sodium benzoate, sodium citrate dihydrate, sorbitol, sucralose, titanium dioxide, and xanthan gum. In addition to the bottle, a press-in bottle adapter and an oral dosing syringe (with 0.5 mL and 2 mL dose markings) are provided.

12.1 CLINICAL PHARMACOLOGY
12.1 Mechanism of Action
 Sildenafil is an inhibitor of cGMP-specific phosphodiesterase type-5 (PDE-5) in the smooth muscle of the pulmonary vasculature, where PDE-5 is responsible for degradation of cGMP. Sildenafil, therefore, increases cGMP within pulmonary vascular smooth muscle cells resulting in relaxation. In patients with PAH, this can lead to vasodilation of the pulmonary vascular bed and, to a lesser degree, vasodilation in the systemic circulation. Studies in vitro have shown that sildenafil is selective for PDE-5. Its effect is more potent on PDE-5 than on other known phosphodiesterases (10-fold for PDE6, greater than 80-fold for PDE1, greater than 700-fold for PDE2, PDE3, PDE4, PDE7, PDE8, PDE9, PDE10, and PDE11). The approximately 4,000-fold selectivity for PDE-5 versus PDE3 is important because PDE3 is involved in control of cardiac contractility. Sildenafil is only about 10-fold as potent for PDE-5 compared to PDE6, an enzyme found in the retina and involved in the phototransduction pathway of the retina. This lower selectivity is thought to be the basis for abnormalities related to color vision observed with higher doses or plasma levels [see Clinical Pharmacology (12.2)].
 In addition to pulmonary vascular smooth muscle and the corpus cavernosum, PDE-5 is also found in other tissues including vascular and visceral smooth muscle and in platelets. The inhibition of PDE-5 in these tissues by sildenafil may be the basis for the enhanced platelet anti-aggregatory activity of nitric oxide derived *in vitro*, and the mild peripheral arterial-venous dilatation *in vivo*.
12.2 Pharmacokinetics
Effects of Sildenafil on Hemodynamic Measures
 Patients on all sildenafil doses achieved a statistically significant reduction in mean pulmonary arterial pressure (mPAP) compared to those on placebo in a study with no background vasodilators [Study 1 in Clinical Studies (14)]. Data on other hemodynamic measures for the sildenafil 20 mg three times a day and placebo dosing

regimens is displayed in Table 3. The relationship between these effects and improvements in 6-minute walk distance is unknown.

Table 3. Changes from Baseline in Hemodynamic Parameters at Week 12 (mean (95% CI)) for the Sildenafil 20 mg Three Times a Day and Placebo Group

	Placebo (n = 65)*	Sildenafil 20 mg three times a day (n = 65)*
mPAP (mmHg)	0.6 (-0.8, 2.0)	-2.1 (-4.3, 0.0)
PVR (dyn·s/cm ⁵)	49 (-54, 153)	-122 (-217, -27)
SVR (dyn·s/cm ⁵)	-78 (-197, 41)	-167 (-307, -26)
RAP (mmHg)	0.3 (-0.9, 1.5)	-0.8 (-1.9, 0.3)
CO (L/min)	-1 (-0.4, 0.2)	0.4 (0.1, 0.7)
HR (beats/min)	-1.3 (-4.1, 1.4)	-3.7 (-5.9, -1.4)

mPAP = mean pulmonary arterial pressure; PVR = pulmonary vascular resistance; SVR = systemic vascular resistance; RAP = right atrial pressure; CO = cardiac output; HR = heart rate
 *The number of patients per treatment group varied slightly for each parameter due to missing assessments.
 In another study evaluating lower doses of sildenafil 1 mg, 5 mg and 20 mg [Study 3 in Clinical Studies (14)], there were no significant differences in the effects on hemodynamic variables between doses.

Effects of Sildenafil on Blood Pressure
 Single oral doses of sildenafil 100 mg administered to healthy volunteers produced decreases in supine blood pressure (mean maximum decrease in systolic/diastolic blood pressure of 8/5 mmHg). The decrease in blood pressure was most notable approximately 1 to 2 hours after dosing, and was not different from placebo at 8 hours. Similar effects on blood pressure were noted with 25 mg, 50 mg and 100 mg doses of sildenafil; therefore the effects are not related to dose or plasma levels within this dosage range. Larger effects were recorded among patients receiving concomitant nitrates [see Contraindications (4)].

Single oral doses of sildenafil up to 100 mg in healthy volunteers produced no clinically relevant effects on ECG. After chronic dosing of 80 mg three times a day to patients with PAH, no clinically relevant effects on ECG were reported.
 After chronic dosing of 80 mg three times a day sildenafil to healthy volunteers, the largest mean change from baseline in supine systolic and supine diastolic blood pressures was a decrease of 9.0 mmHg and 8.4 mmHg, respectively.

After chronic dosing of 80 mg three times a day sildenafil to patients with systemic hypertension, the mean change from baseline in systolic and diastolic blood pressures was a decrease of 9.4 mmHg and 9.1 mmHg, respectively.

After chronic dosing of 80 mg three times a day sildenafil to patients with PAH, lesser reductions than above in systolic and diastolic blood pressures were observed (a decrease in both of 2 mmHg).

12.3 Pharmacokinetics
Absorption and Distribution
 Sildenafil is rapidly absorbed after oral administration, with a mean absolute bioavailability of 41% (25 to 63%). Maximum observed plasma concentrations are reached within 30 to 120 minutes (median 60 minutes) of oral dosing in the fasted state. When sildenafil is taken with a high-fat meal, the rate of absorption is reduced, with a mean delay in T_{max} of 80 minutes and a mean reduction in C_{max} of 29%. The mean steady state volume of distribution is 105 L, indicating distribution into tissues. Sildenafil and its major circulating, N-desmethyl metabolite are both approximately 96% bound to plasma proteins. Protein binding is independent of total drug concentrations.
 Bioequivalence was established between the 20 mg tablet and the 10 mg/mL oral suspension when administered as a 20 mg single oral dose of sildenafil (as citrate).
Metabolism and Excretion
 Sildenafil is cleared predominantly by the CYP3A (major route) and cytochrome P450 2C9 (CYP2C9, minor route) hepatic microsomal isoenzymes. The major circulating metabolite results from N-desmethylation of sildenafil, and is, itself, further metabolized. This metabolite has a phosphodiesterase selectivity profile similar to sildenafil and an *in vitro* potency for PDE-5 approximately 50% of the parent drug. In healthy volunteers, plasma concentrations of this metabolite are approximately 40% of those seen for sildenafil, so that the metabolite accounts for about 20% of sildenafil's pharmacologic effects. In patients with PAH,

Figure 9. Change from Baseline in 6-Minute Walk Distance (meters) at Weeks 4, 8, and 12 in Study 1: Mean (95% Confidence Interval)

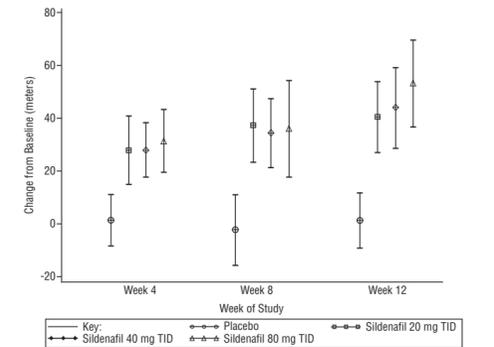
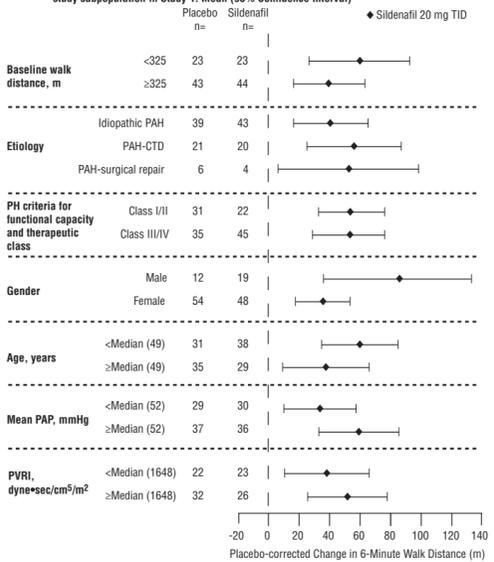


Figure 10 displays subgroup efficacy analyses in Study 1 for the change from baseline in 6-Minute Walk Distance at Week 12 including baseline walk distance, disease etiology, functional class, gender, age, and hemodynamic parameters.

Figure 10. Placebo-Corrected Change From Baseline in 6-Minute Walk Distance (meters) at Week 12 by study subpopulation in Study 1: Mean (95% Confidence Interval)



Key: PAH = pulmonary arterial hypertension; CTD = connective tissue disease; PH = pulmonary hypertension; PAP = pulmonary arterial pressure; PVRI = pulmonary vascular resistance index; TID = three times daily.

Of the 277 treated patients, 259 entered a long-term, uncontrolled extension study. At the end of 1 year, 94% of these patients were still alive. Additionally, walk distance and functional class status appeared to be stable in patients taking sildenafil. Without a control group, these data must be interpreted cautiously.

Study 2 (Sildenafil coadministered with epoprostenol)
A randomized, double-blind, placebo controlled study (Study 2) was conducted in 267 patients with PAH who were taking stable doses of intravenous epoprostenol. Patients had to have a mean pulmonary artery pressure (mPAP) greater than or equal to 25 mmHg and a pulmonary capillary wedge pressure (PCWP) less than or equal to 15 mmHg at rest via right heart catheterization within 21 days before randomization, and a baseline 6-minute walk test distance greater than or equal to 100 meters and less than or equal to 450 meters (mean 349 meters). Patients were randomized to placebo or sildenafil (in a fixed titration starting from 20 mg, to 40 mg and then 80 mg, three times a day) and all patients continued intravenous epoprostenol therapy.

At baseline patients had PPH (80%) or PAH secondary to CTD (20%); WHO functional class I (1%), II (26%), III (67%), or IV (6%), and the mean age was 48 years, 80% were female, and 79% were Caucasian.

There was a statistically significant greater increase from baseline in 6-minute walk distance at Week 16 (primary endpoint) for the sildenafil group compared with the placebo group. The mean change from baseline at Week 16 (last observation carried forward) was 30 meters for the sildenafil group compared with 4 meters for the placebo group giving an adjusted treatment difference of 26 meters (95% CI: 10.8, 41.2) (p = 0.0009).

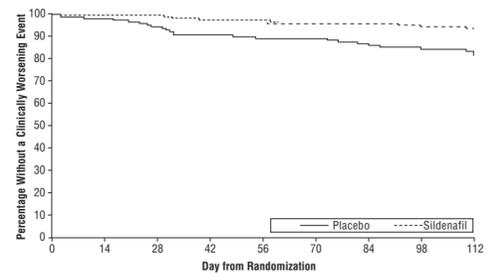
Patients on sildenafil achieved a statistically significant reduction in mPAP compared to those on placebo. A mean placebo-corrected treatment effect of -3.9 mmHg was observed in favor of sildenafil (95% CI: -5.7, -2.1) (p = 0.0003).

Time to clinical worsening of PAH was defined as the time from randomization to the first occurrence of a clinical worsening event (death, lung transplantation, initiation of bosentan therapy, or clinical deterioration requiring a change in epoprostenol therapy). Table 4 displays the number of patients with clinical worsening events in Study 2. Kaplan-Meier estimates and a stratified log-rank test demonstrated that placebo-treated patients were 3 times more likely to experience a clinical worsening event than sildenafil-treated patients and that sildenafil-treated patients experienced a significant delay in time to clinical worsening versus placebo-treated patients (p = 0.0074). Kaplan-Meier plot of time to clinical worsening is presented in Figure 11.

Table 4. Clinical Worsening Events in Study 2

	Placebo (N = 131)		Sildenafil (N = 134)	
	First Event	All Events	First Event	All Events
Number of subjects with clinical worsening first event	23		8	
Death, n	3	4	0	0
Lung Transplantation, n	1	1	0	0
Hospitalization due to PAH, n	9	11	8	8
Clinical deterioration resulting in:				
Change of Epoprostenol Dose, n	9	16	0	2
Initiation of Bosentan, n	1	1	0	0
Proportion Worsened	0.187		0.062	
95% Confidence Interval	(0.12 to 0.26)		(0.02 to 0.10)	

Figure 11. Kaplan-Meier Plot of Time (in Days) to Clinical Worsening of PAH in Study 2



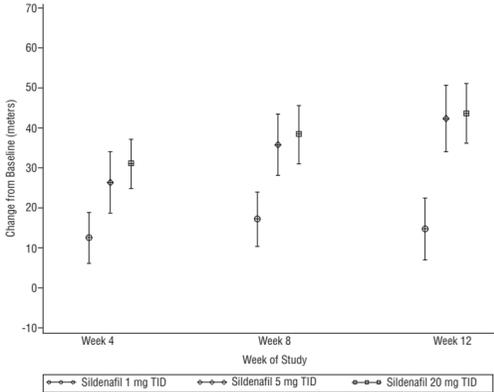
Improvements in WHO functional class for PAH were also demonstrated in subjects on sildenafil compared to placebo. More than twice as many sildenafil-treated patients (36%) as placebo-treated patients (14%) showed an improvement in at least one functional New York Heart Association (NYHA) class for PAH.

Study 3 (Sildenafil monotherapy (1 mg, 5 mg, and 20 mg three times a day))
A randomized, double-blind, parallel dose study (Study 3) was planned in 219 patients with PAH. This study was prematurely terminated with 129 subjects enrolled. Patients were required to have a mPAP greater than or equal to 25 mmHg and a PCWP less than or equal to 15 mmHg at rest via right heart catheterization within 12 weeks before randomization, and a baseline 6-minute walk test distance greater than or equal to 100 meters and less than or equal to 450 meters (mean 345 meters). Patients were randomized to 1 of 3 doses of sildenafil: 1 mg, 5 mg, and 20 mg, three times a day.

At baseline patients had PPH (74%) or secondary PAH (26%); WHO functional class II (57%), III (41%), or IV (2%); the mean age was 44 years; and 67% were female. The majority of subjects were Asian (67%), and 28% were Caucasian.

The primary efficacy endpoint was the change from baseline at Week 12 (at least 4 hours after the last dose) in the 6-minute walk distance. Similar increases in walk distance (mean increase of 38 to 41 meters) were observed in the 5 and 20 mg dose groups. These increases were significantly better than those observed in the 1 mg dose group (Figure 12).

Figure 12. Mean Change from Baseline in Six Minute Walk (meters) by Visit to Week 12 – ITT Population Sildenafil Protocol A1481244



The plot represents the mean change from baseline + / - the Standard Error for each treatment at each visit up to week 12.

Study 4 (Sildenafil added to bosentan therapy – lack of effect on exercise capacity)
A randomized, double-blind, placebo controlled study was conducted in 103 patients with PAH who were on bosentan therapy for a minimum of three months. The PAH patients included those with primary PAH, and PAH associated with CTD. Patients were randomized to placebo or sildenafil (20 mg three times a day) in combination with bosentan (62.5 to 125 mg twice a day). The primary efficacy endpoint was the change from baseline at Week 12 in 6MWD. The results indicate that there is no significant difference in mean change from baseline on 6MWD observed between sildenafil 20 mg plus bosentan and bosentan alone.

16 HOW SUPPLIED/STORAGE AND HANDLING
Sildenafil for oral suspension is supplied in amber glass bottles. Each bottle contains white to off-white powder containing 1.57 g of sildenafil citrate (equivalent to 1.12 g sildenafil). Following reconstitution, the volume of the oral suspension is 112 mL (10 mg sildenafil/mL). A 2 mL oral dosing syringe (with 0.5 mL and 2 mL dose markings) and a press-in bottle adaptor are also provided.

Sildenafil for Oral Suspension		
Package Configuration	Strength	NDC
Powder for oral suspension – bottle	10 mg/mL (when reconstituted)	0591-4050-94

Recommended storage for sildenafil for oral suspension: Store below 30°C (86°F) in the original package in order to protect from moisture.

Reconstituted Oral Suspension
Store below 30°C (86°F) or in refrigerator at 2°C to 8°C (36°F to 46°F). Do not freeze. The shelf-life of the reconstituted oral suspension is 60 days. Any remaining oral suspension should be discarded 60 days after reconstitution.

17 PATIENT COUNSELING INFORMATION
See FDA-approved patient labeling (Patient Information).

- Inform patients of contraindication of sildenafil with regular and/or intermittent use of organic nitrates.
- Inform patients that sildenafil is also marketed as VIAGRA for erectile dysfunction. Advise patients taking sildenafil not to take VIAGRA or other PDE-5 inhibitors.
- Advise patients to seek immediate medical attention for a sudden loss of vision in one or both eyes while taking sildenafil. Such an event may be a sign of NAION.
- Advise patients to seek prompt medical attention in the event of sudden decrease or loss of hearing while taking sildenafil. These events may be accompanied by tinnitus and dizziness.

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PATIENT INFORMATION
Sildenafil (sil den` a fil) for Oral Suspension

Read this Patient Information before you start taking sildenafil for oral suspension and each time you get a refill. There may be new information. This information does not take the place of talking with your doctor about your medical condition or treatment. If you have any questions about sildenafil for oral suspension, ask your doctor or pharmacist.

What is the most important information I should know about sildenafil for oral suspension?

Never take sildenafil for oral suspension with any nitrate or guanylate cyclase stimulator medicines. Your blood pressure could drop quickly to an unsafe level.

Nitrate medicines include:

- Medicines that treat chest pain (angina)
- Nitroglycerin in any form including tablets, patches, sprays, and ointments
- Isosorbide mononitrate or dinitrate
- Street drugs called “poppers” (amyl nitrate or nitrite)

Guanylate cyclase stimulators include:

- Riociguat (Adempas)

Ask your doctor or pharmacist if you are not sure if you are taking a nitrate or a guanylate cyclase stimulator medicine.

What is sildenafil for oral suspension?

Sildenafil for oral suspension is a prescription medicine used in adults to treat pulmonary arterial hypertension (PAH). With PAH, the blood pressure in your lungs is too high. Your heart has to work hard to pump blood into your lungs.

Sildenafil for oral suspension improves the ability to exercise and can slow down worsening changes in your physical condition.

- Sildenafil for oral suspension is not for use in children
- Adding sildenafil for oral suspension to another medication used to treat PAH, bosentan (Tracleer®), does not result in improvement in your ability to exercise.

Sildenafil for oral suspension contains the same medicine as VIAGRA® (sildenafil), which is used to treat erectile dysfunction (impotence). Do not take sildenafil for oral suspension with VIAGRA or other PDE-5 inhibitors.

Who should not take sildenafil for oral suspension?

Do not take sildenafil for oral suspension if you:

- take nitrate medicines. See “What is the most important information I should know about sildenafil for oral suspension?”
- take guanylate cyclase stimulator medicines. See “What is the most important information I should know about sildenafil for oral suspension?”
- are allergic to sildenafil or any other ingredient in sildenafil for oral suspension. See “What are the ingredients in sildenafil for oral suspension?” at the end of this leaflet.
- What should I tell my doctor before taking sildenafil for oral suspension?
Tell your doctor about all of your medical conditions, including if you
 - have heart problems such as angina (chest pain), heart failure, irregular heartbeats, or have had a heart attack
 - have a disease called pulmonary veno-occlusive disease (PVOD)
 - have high or low blood pressure or blood circulation problems
 - have an eye problem called retinitis pigmentosa
 - have or had loss of sight in one or both eyes
 - have any problem with the shape of your penis or Peyronie’s disease
 - have any blood cell problems such as sickle cell anemia
 - have a stomach ulcer or any bleeding problems
- are pregnant or planning to become pregnant. It is not known if sildenafil for oral suspension could harm your unborn baby.
- are breastfeeding. Sildenafil citrate passes into your breast milk, it is not known if it could harm your baby.

Tell your doctor about all of the medicines you take, including prescription and non-prescription medicines, vitamins, and herbal products. Sildenafil for oral suspension and certain other medicines can cause side effects if you take them together. The doses of some of your medicines may need to be adjusted while you take sildenafil for oral suspension.

Especially tell your doctor if you take

- Nitrate medicines. See “What is the most important information I should know about sildenafil for oral suspension?”
- Riociguat (Adempas). See “What is the most important information I should know about sildenafil for oral suspension?”
- Ritonavir (Norvir®) or other medicines used to treat HIV infection
- Ketoconazole (Nizoral®)
- Itraconazole (Sporanox)
- High blood pressure medicine

Know the medicines you take. Keep a list of your medicines and show it to your doctor and pharmacist when you get a new medicine.

How should I take sildenafil for oral suspension?

- Take sildenafil for oral suspension exactly as your doctor tells you.
- Take sildenafil for oral suspension 3 times a day about 4 to 6 hours apart
- Take sildenafil for oral suspension at the same time every day.
- Sildenafil for oral suspension will be mixed for you by your pharmacist. Do not mix sildenafil for oral suspension with other medicine or flavoring. Shake well for at least 10 seconds before each dose.

- If you miss a dose, take it as soon as you remember. If it is close to your next dose, skip the missed dose, and take your next dose at the regular time.
- Do not take more than one dose of sildenafil for oral suspension at a time.
- Do not change your dose or stop taking sildenafil for oral suspension on your own. Talk to your doctor first.
- If you take too much sildenafil for oral suspension, call your doctor or go to the nearest hospital emergency room.

- What are the possible side effects of sildenafil for oral suspension?**
- low blood pressure.** Low blood pressure may cause you to feel faint or dizzy. Lie down if you feel faint or dizzy.
 - more shortness of breath than usual.** Tell your doctor if you get more short of breath after you start sildenafil for oral suspension. More shortness of breath than usual may be due to your underlying medical condition.
 - decreased eyesight or loss of sight in one or both eyes (NAION).** If you notice a sudden decrease or loss of eyesight, talk to your doctor right away.

- sudden decrease or loss of hearing.** If you notice a sudden decrease or loss of hearing, talk to your doctor right away. It is not possible to determine whether these events are related directly to this class of oral medicines, including sildenafil for oral suspension, or to other diseases or medicines, to other factors, or to a combination of factors.

heart attack, stroke, irregular heartbeats, and death. Most of these happened in men who already had heart problems.

erections that last several hours. If you have an erection that lasts more than 4 hours, get medical help right away. If it is not treated right away, priapism can permanently damage your penis.

The most common side effects with sildenafil for oral suspension include: Nosebleed, headache, upset stomach, getting red or hot in the face (flushing), trouble sleeping, as well as fever, erection increased, respiratory infection, nausea, vomiting, bronchitis, pharyngitis, runny nose, and pneumonia in children.

Tell your doctor if you have any side effect that bothers you or doesn’t go away. These are not all the possible side effects of sildenafil for oral suspension. For more information, ask your doctor or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store sildenafil for oral suspension?

- Store sildenafil for oral suspension below 30°C (86°F) or in a refrigerator between 2° to 8°C (36° to 46°F).

- Do not freeze sildenafil for oral suspension.
- Throw away sildenafil for oral suspension after 60 days.
- Keep sildenafil for oral suspension and all medicines away from children.

Keep information about sildenafil for oral suspension
Medicines are sometimes prescribed for purposes that are not in the patient leaflet. Do not use sildenafil for oral suspension for a condition for which it was not prescribed. Do not give sildenafil for oral suspension to other people, even if they have the same symptoms you have. It could harm them.

This patient leaflet summarizes the most important information about sildenafil for oral suspension. If you would like more information about sildenafil for oral suspension, talk with your doctor. You can ask your doctor or pharmacist for information about sildenafil for oral suspension that is written for health professionals. For more information, call Teva Pharmaceuticals USA, Inc. at 1-888-838-2872.

What are the ingredients in sildenafil for oral suspension?
Active ingredient: sildenafil citrate, USP

Inactive ingredients: anhydrous citric acid, colloidal silicon dioxide, grape flavor, sodium benzoate, sodium citrate dihydrate, sorbitol, sucralose, titanium dioxide, and xanthan gum

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Parsippany, NJ 07054
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INSTRUCTIONS FOR USE
Sildenafil (sil den` a fil) for Oral Suspension

Read this Instructions for Use for sildenafil for oral suspension before you start taking and each time you get a refill. There may be new information. This information does not take the place of talking to your doctor about your medical condition or your treatment.

Important information:

- Your pharmacist should tell you how to measure sildenafil for oral suspension by using the oral syringe provided in the pack.
- Sildenafil for oral suspension should only be given using the oral syringe supplied with each pack.
- Sildenafil for oral suspension should not be mixed with any other medicine or flavoring.

Supplies you will need to take sildenafil for oral suspension:

- Bottle of sildenafil for oral suspension with syringe adaptor fitted in neck of bottle
- Oral syringe (as supplied by pharmacist). (See Figure A)

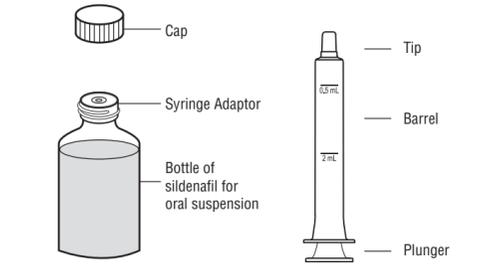


Figure A

- Shake the bottle of sildenafil for oral suspension for 10 seconds before each use. (See Figure B)
- Remove the cap. Open the bottle by pushing downward on the cap and twisting it in the direction of the arrow (counter-clockwise). (See Figure B)

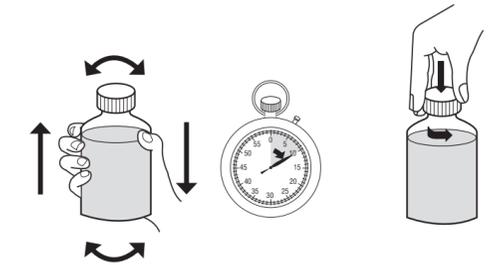


Figure B

- Insert the tip of the oral syringe into the adaptor while the bottle is upright, on a flat surface. Fully push down (depress) the plunger of the syringe. (See Figure C)

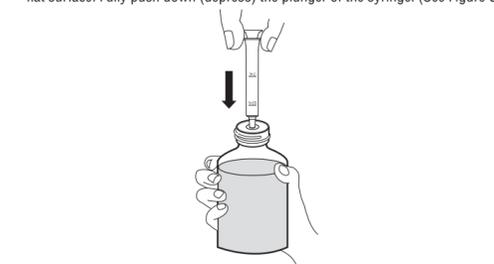


Figure C

- Turn the bottle upside down while holding the oral syringe in place. Slowly pull back the plunger of the oral syringe until the bottom of the plunger is even with the graduation markings on the syringe for the prescribed dose for you. Take your dose of sildenafil for oral suspension exactly as prescribed by your doctor. If air bubbles can be seen, slowly push the oral suspension in the syringe back into the bottle. Repeat steps 3 and 4. (See Figure D)

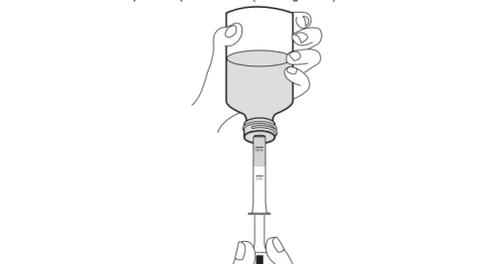


Figure D

- Turn the bottle back upright with the oral syringe still in place. Remove the oral syringe from the bottle by pulling straight up on the barrel of the oral dosing syringe. (See Figure E)

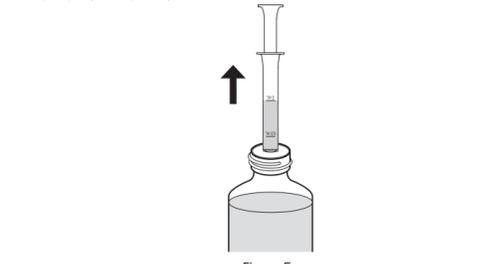


Figure E

- Put the tip of the oral syringe into your mouth. Point the tip of the oral syringe towards the inside of the cheek. Slowly push down the plunger of the oral syringe. (See Figure F)

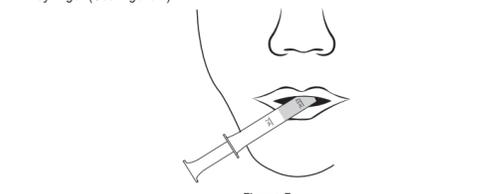


Figure F

- Replace the cap on the bottle, leaving the bottle adaptor in place. Wash the oral syringe as instructed below.
- The syringe should be washed after each dose. Pull the plunger out of the barrel and rinse both parts with water. (See Figure G)

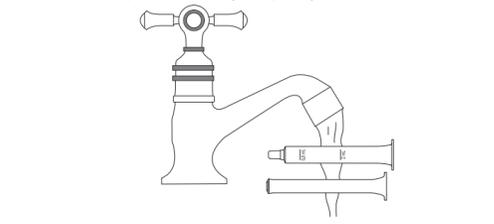


Figure G

- Dry all parts with a clean paper towel. Push the plunger back into the barrel. Store the syringe with sildenafil for oral suspension in a clean safe place. Administer sildenafil for oral suspension using the oral syringe supplied with each pack. Refer to the patient instructions for use for more detailed instructions for use. Discard any unused suspension after the expiration date written on the bottle.

How should I store sildenafil for oral suspension?

- Store sildenafil for oral suspension below 30°C (86°F) or in a refrigerator between 2° to 8°C (36° to 46°F).

- Do not freeze sildenafil for oral suspension.
- Throw away (discard) sildenafil for oral suspension after 60 days.
- Keep sildenafil for oral suspension and all medicines away from children.

This Instruction for Use has been approved by the U.S. Food and Drug Administration.

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