

SOLODYN- minocycline hydrochloride tablet, film coated, extended release

Bausch Health US LLC

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use SOLODYN safely and effectively. See full prescribing information for SOLODYN.

SOLODYN®

(minocycline HCl) Extended Release Tablets for oral use

Initial U.S. Approval: 1971

INDICATIONS AND USAGE

SOLODYN is a tetracycline-class drug indicated to treat only inflammatory lesions of non-nodular moderate to severe acne vulgaris in patients 12 years of age and older. (1)

DOSAGE AND ADMINISTRATION

The recommended dosage of SOLODYN is approximately 1 mg/kg once daily for 12 weeks. (2)

DOSAGE FORMS AND STRENGTHS

Extended release tablets: 45[†], 55, 65, 80, 90[†], 105, 115, and 135[†] mg (3)

[†]No longer distributed or sold by Valeant.

CONTRAINDICATIONS

This drug is contraindicated in persons who have shown hypersensitivity to any of the tetracyclines. (4)

WARNINGS AND PRECAUTIONS

- The use of SOLODYN during tooth development (last half of pregnancy, infancy, and childhood up to the age of 8 years) may cause permanent discoloration of the teeth (yellow-gray-brown). (5.1)
- If pseudomembranous colitis occurs, discontinue SOLODYN. (5.2)
- If liver injury is suspected, discontinue SOLODYN. (5.3)
- If renal impairment exists, SOLODYN doses may need to be adjusted to avoid excessive systemic accumulations of the drug and possible liver toxicity. (5.4)
- Minocycline may cause central nervous system side effects including light-headedness, dizziness, or vertigo. Advise patients. (5.5)
- Minocycline may cause pseudotumor cerebri (benign intracranial hypertension) in adults and adolescents. Discontinue SOLODYN if symptoms occur. (5.6)
- Minocycline has been associated with autoimmune syndromes; discontinue SOLODYN immediately if symptoms occur. (5.7)
- Minocycline has been associated with anaphylaxis, serious skin reactions, erythema multiforme, and DRESS syndrome. Discontinue SOLODYN immediately if symptoms occur. (5.9)

ADVERSE REACTIONS

The most commonly observed adverse reactions (incidence ≥5%) are headache, fatigue, dizziness, and pruritus. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Valeant Pharmaceuticals North America LLC at 1-800-321-4576 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- Patients who are on anticoagulant therapy may require downward adjustment of their anticoagulant dosage. (7.1)
- The concurrent use of tetracycline and methoxyflurane has been reported to result in fatal renal toxicity. (7.3)
- To avoid contraceptive failure, female patients are advised to use a second form of contraceptive during treatment with minocycline. (7.5)

USE IN SPECIFIC POPULATIONS

- Minocycline like other tetracycline-class drugs can cause fetal harm when administered to a pregnant woman. (5.1, 8.1)
- The use of drugs of the tetracycline class during tooth development may cause permanent discoloration of teeth. (5.1, 8.4)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

1.1 Indication

SOLODYN is indicated to treat only inflammatory lesions of non-nodular moderate to severe acne vulgaris in patients 12 years of age and older.

1.2 Limitations of Use

SOLODYN did not demonstrate any effect on non-inflammatory acne lesions. Safety of SOLODYN has not been established beyond 12 weeks of use. This formulation of minocycline has not been evaluated in the treatment of infections [see *Clinical Studies (14)*].

To reduce the development of drug-resistant bacteria as well as to maintain the effectiveness of other antibacterial drugs, SOLODYN should be used only as indicated [see *Warnings and Precautions (5.11)*].

2 DOSAGE AND ADMINISTRATION

The recommended dosage of SOLODYN is approximately 1 mg/kg once daily for 12 weeks. Higher doses have not shown to be of additional benefit in the treatment of inflammatory lesions of acne, and may be associated with more acute vestibular side effects.

The following table shows tablet strength and body weight to achieve approximately 1 mg/kg.

Table 1: Dosing Table for SOLODYN

Patient's Weight (lbs)	Patient's Weight (kg)	Tablet Strength (mg)	Actual Dose mg/kg
99 – 109	45 – 49	45*	1 – 0.92
110 – 131	50 – 59	55	1.10 – 0.93
132 – 157	60 – 71	65	1.08 – 0.92
158 – 186	72 – 84	80	1.11 – 0.95
187 – 212	85 – 96	90*	1.06 – 0.94

213 – 243	97 – 110	105	1.08 – 0.95
244 – 276	111 – 125	115	1.04 – 0.92
277 – 300	126 – 136	135*	1.07 – 0.99

* No longer distributed or sold by Valeant.

SOLODYN Tablets may be taken with or without food [see *Clinical Pharmacology (12.3)*]. Ingestion of food along with SOLODYN may help reduce the risk of esophageal irritation and ulceration.

In patients with renal impairment, the total dosage should be decreased by either reducing the recommended individual doses and/or by extending the time intervals between doses [see *Warnings and Precautions (5.4)*].

3 DOSAGE FORMS AND STRENGTHS

- 55 mg extended release tablets: pink, unscored, coated, and debossed with "DYN-055" on one side.
- 65 mg extended release tablets: blue, unscored, coated, and debossed with "DYN-065" on one side.
- 80 mg extended release tablets: dark gray, unscored, coated, and debossed with "DYN-080" on one side.
- 105 mg extended release tablets: purple, unscored, coated, and debossed with "DYN-105" on one side.
- 115 mg extended release tablets: green, unscored, coated, and debossed with "DYN-115" on one side.

4 CONTRAINDICATIONS

This drug is contraindicated in persons who have shown hypersensitivity to any of the tetracyclines.

5 WARNINGS AND PRECAUTIONS

5.1 Teratogenic Effects

1. MINOCYCLINE, LIKE OTHER TETRACYCLINE-CLASS DRUGS, CAN CAUSE FETAL HARM WHEN ADMINISTERED TO A PREGNANT WOMAN. IF ANY TETRACYCLINE IS USED DURING PREGNANCY OR IF THE PATIENT BECOMES PREGNANT WHILE TAKING THESE DRUGS, THE PATIENT SHOULD BE APPRISED OF THE POTENTIAL HAZARD TO THE FETUS.

SOLODYN should not be used during pregnancy or by individuals of either gender who are attempting to conceive a child [see *Use in Specific Populations (8.1)* and *Nonclinical Toxicology (13.1)*].

2. THE USE OF DRUGS OF THE TETRACYCLINE CLASS DURING TOOTH DEVELOPMENT i.e., (LAST HALF OF PREGNANCY, INFANCY, AND CHILDHOOD UP TO THE AGE OF 8 YEARS) MAY CAUSE PERMANENT DISCOLORATION OF THE TEETH i.e., (YELLOW-GRAY-BROWN).

This adverse reaction is more common during long-term use of the drug but has been observed following repeated short-term courses. Enamel hypoplasia has also been reported. TETRACYCLINE DRUGS, THEREFORE, SHOULD NOT BE USED DURING TOOTH DEVELOPMENT.

3. All tetracyclines form a stable calcium complex in any bone-forming tissue. A decrease in fibula growth rate has been observed in premature human infants given oral tetracycline in doses of 25 mg/kg every 6 hours. This reaction was shown to be reversible when the drug was discontinued.

Results of animal studies indicate that tetracyclines cross the placenta, are found in fetal tissues, and can cause retardation of skeletal development on the developing fetus. Evidence of embryotoxicity has been noted in animals treated early in pregnancy [see *Use in Specific Populations (8.1)*].

5.2 Pseudomembranous Colitis

Clostridium difficile-associated diarrhea (CDAD) has been reported with nearly all antibacterial agents, including minocycline, and may range in severity from mild diarrhea to fatal colitis.

Treatment with antibacterial agents alters the normal flora of the colon leading to overgrowth of *C. difficile*.

C. difficile produces toxins A and B which contribute to the development of CDAD. Hypertoxin-producing strains of *C. difficile* cause increased morbidity and mortality, as these infections can be refractory to antimicrobial therapy and may require colectomy. CDAD must be considered in all patients who present with diarrhea following antibiotic use. Careful medical history is necessary since CDAD has been reported to occur over 2 months after the administration of antibacterial agents.

If CDAD is suspected or confirmed, ongoing antibiotic use not directed against *C. difficile* may need to be discontinued. Appropriate fluid and electrolyte management, protein supplementation, antibiotic treatment of *C. difficile*, and surgical evaluation should be instituted as clinically indicated.

5.3 Hepatotoxicity

Postmarketing cases of serious liver injury, including irreversible drug-induced hepatitis and fulminant hepatic failure (sometimes fatal), have been reported with minocycline use in the treatment of acne.

5.4 Metabolic Effects

The anti-anabolic action of the tetracyclines may cause an increase in blood urea nitrogen (BUN). While this is not a problem in those with normal renal function, in patients with significantly impaired function, higher serum levels of tetracycline-class drugs may lead to azotemia, hyperphosphatemia, and acidosis. If renal impairment exists, even usual oral or parenteral doses may lead to excessive systemic accumulations of the drug and possible liver toxicity. Under such conditions, lower than usual total doses are indicated, and if therapy is prolonged, serum level determinations of the drug may be advisable.

5.5 Central Nervous System Effects

Central nervous system side effects including light-headedness, dizziness, or vertigo have been reported with minocycline therapy. Patients who experience these symptoms should be cautioned about driving vehicles or using hazardous machinery while on minocycline therapy. These symptoms may disappear during therapy and usually rapidly disappear when the drug is discontinued.

5.6 Benign Intracranial Hypertension

Pseudotumor cerebri (benign intracranial hypertension) in adults and adolescents has been associated with the use of tetracyclines. Minocycline has been reported to cause or precipitate pseudotumor cerebri, the hallmark of which is papilledema. Clinical manifestations include headache and blurred vision. Bulging fontanelles have been associated with the use of tetracyclines in infants. Although signs and symptoms of pseudotumor cerebri resolve after discontinuation of treatment, the possibility for permanent sequelae, such as visual loss that may be permanent or severe, exists. Patients should be questioned for visual disturbances prior to initiation of treatment with tetracyclines. If visual disturbance occurs during treatment, patients should be checked for papilledema. Concomitant use of isotretinoin and minocycline should be avoided because isotretinoin, a systemic retinoid, is also known to cause pseudotumor cerebri.

5.7 Autoimmune Syndromes

Tetracyclines have been associated with the development of autoimmune syndromes. The long-term use of minocycline in the treatment of acne has been associated with drug-induced lupus-like syndrome, autoimmune hepatitis, and vasculitis. Sporadic cases of serum sickness have presented shortly after minocycline use. Symptoms may be manifested by fever, rash, arthralgia, and malaise. In symptomatic patients, liver function tests, ANA, CBC, and other appropriate tests should be performed to evaluate the patients. Use of all tetracycline-class drugs should be discontinued immediately.

5.8 Photosensitivity

Photosensitivity manifested by an exaggerated sunburn reaction has been observed in some individuals taking tetracyclines. This has been reported rarely with minocycline. Patients should minimize or avoid exposure to natural or artificial sunlight (e.g., tanning beds or UVA/B treatment) while using minocycline. If patients need to be outdoors while using minocycline, they should wear loose-fitting clothes that protect skin from sun exposure and discuss other sun protection measures with their physician.

5.9 Serious Skin/Hypersensitivity Reaction

Cases of anaphylaxis, serious skin reactions (e.g., Stevens-Johnson syndrome), erythema multiforme, and drug rash with eosinophilia and systemic symptoms (DRESS) syndrome have been reported postmarketing with minocycline use in patients with acne. DRESS syndrome consists of cutaneous reaction (such as rash or exfoliative dermatitis), eosinophilia, and one or more of the following visceral complications: hepatitis, pneumonitis, nephritis, myocarditis, and pericarditis. Fever and lymphadenopathy may be present. In some cases, death has been reported. If this syndrome is recognized, the drug should be discontinued immediately.

5.10 Tissue Hyperpigmentation

Tetracycline-class antibiotics are known to cause hyperpigmentation. Tetracycline therapy may induce hyperpigmentation in many organs, including nails, bone, skin, eyes, thyroid, visceral tissue, oral cavity (e.g., teeth, mucosa, alveolar bone), sclerae, and heart valves. Skin and oral pigmentation has been reported to occur independently of time or amount of drug administration, whereas other tissue pigmentation has been reported to occur upon prolonged administration. Skin pigmentation includes diffuse pigmentation as well as over sites of scars or injury.

5.11 Development of Drug-Resistant Bacteria

Bacterial resistance to tetracyclines may develop in patients using SOLODYN, therefore, the susceptibility of bacteria associated with infection should be considered in selecting antimicrobial therapy. Because of the potential for drug-resistant bacteria to develop during the use of SOLODYN, it should be used only as indicated.

5.12 Superinfection

As with other antibiotic preparations, use of SOLODYN may result in overgrowth of nonsusceptible organisms, including fungi. If superinfection occurs, SOLODYN should be discontinued and appropriate therapy instituted.

5.13 Laboratory Monitoring

Periodic laboratory evaluations of organ systems, including hematopoietic, renal, and hepatic studies should be performed. Appropriate tests for autoimmune syndromes should be performed as indicated.

6 ADVERSE REACTIONS

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials cannot be directly compared to rates in the clinical trials of another drug, and may not reflect the rates observed in practice.

The following table summarizes selected adverse reactions reported in clinical trials at a rate of $\geq 1\%$ for SOLODYN.

Table 2: Selected Treatment-Emergent Adverse Reactions in at Least 1% of Clinical Trial Subjects

Adverse Reactions	SOLODYN (1 mg/kg) N = 674 (%)	PLACEBO N = 364 (%)
At least one treatment-emergent event	379 (56)	197 (54)
Headache	152 (23)	83 (23)
Fatigue	62 (9)	24 (7)
Dizziness	59 (9)	17 (5)
Pruritus	31 (5)	16 (4)

Malaise	26 (4)	9 (3)
Mood alteration	17 (3)	9 (3)
Somnolence	13 (2)	3 (1)
Urticaria	10 (2)	1 (0)
Tinnitus	10 (2)	5 (1)
Arthralgia	9 (1)	2 (0)
Vertigo	8 (1)	3 (1)
Dry mouth	7 (1)	5 (1)
Myalgia	7 (1)	4 (1)

6.2 Postmarketing Experience

Adverse reactions that have been reported with minocycline hydrochloride use in a variety of indications include:

Skin and hypersensitivity reactions: fixed drug eruptions, balanitis, erythema multiforme, Stevens-Johnson syndrome, anaphylactoid purpura, photosensitivity, pigmentation of skin and mucous membranes, hypersensitivity reactions, angioneurotic edema, anaphylaxis, DRESS syndrome [see *Warnings and Precautions* (5.9)].

Autoimmune conditions: polyarthralgia, pericarditis, exacerbation of systemic lupus, pulmonary infiltrates with eosinophilia, transient lupus-like syndrome.

Central nervous system: pseudotumor cerebri, bulging fontanel in infants, decreased hearing.

Endocrine: brown-black microscopic thyroid discoloration, abnormal thyroid function.

Oncology: thyroid cancer.

Oral: glossitis, dysphagia, tooth discoloration.

Gastrointestinal: enterocolitis, pancreatitis, hepatitis, liver failure.

Renal: reversible acute renal failure.

Hematology: hemolytic anemia, thrombocytopenia, eosinophilia.

Preliminary studies suggest that use of minocycline may have deleterious effects on human spermatogenesis [see *Nonclinical Toxicology* (13.1)].

7 DRUG INTERACTIONS

7.1 Anticoagulants

Because tetracyclines have been shown to depress plasma prothrombin activity, patients who are on anticoagulant therapy may require downward adjustment of their anticoagulant dosage.

7.2 Penicillin

Since bacteriostatic drugs may interfere with the bactericidal action of penicillin, it is advisable to avoid giving tetracycline-class drugs in conjunction with penicillin.

7.3 Methoxyflurane

The concurrent use of tetracycline and methoxyflurane has been reported to result in fatal renal toxicity.

7.4 Antacids and Iron Preparations

Absorption of tetracyclines is impaired by antacids containing aluminum, calcium, or magnesium and iron-containing preparations.

7.5 Low-Dose Oral Contraceptives

In a multicenter study to evaluate the effect of SOLODYN on low-dose oral contraceptives, hormone levels over one menstrual cycle with and without SOLODYN 1 mg/kg once daily were measured. Based on the results of this trial, minocycline-related changes in estradiol, progestinic hormone, FSH and LH plasma levels, of breakthrough bleeding, or of contraceptive failure, cannot be ruled out. To avoid contraceptive failure, female patients are advised to use a second form of contraceptive during treatment with minocycline.

7.6 Drug/Laboratory Test Interactions

False elevations of urinary catecholamine levels may occur due to interference with the fluorescence test.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Teratogenic Effects: Pregnancy Category D [see Warnings and Precautions (5.1)]

SOLODYN should not be used during pregnancy. If the patient becomes pregnant while taking this drug, the patient should be apprised of the potential hazard to the fetus and stop treatment immediately.

There are no adequate and well-controlled studies on the use of minocycline in pregnant women. Minocycline, like other tetracycline-class drugs, crosses the placenta and may cause fetal harm when administered to a pregnant woman.

Rare spontaneous reports of congenital anomalies including limb reduction have been reported with minocycline use in pregnancy in postmarketing experience. Only limited information is available regarding these reports; therefore, no conclusion on causal association can be established.

Minocycline- induced skeletal malformations (i.e., bent limb bones) in fetuses when administered to pregnant rats and rabbits in doses of 30 mg/kg/day and 100 mg/kg/day, respectively, resulting in approximately 3 times and 2 times, respectively, the systemic exposure to minocycline observed in patients as a result of use of SOLODYN. Reduced mean fetal body weight was observed in studies in which minocycline was administered to pregnant rats at a dose of 10 mg/kg/day, which resulted in approximately the same level of systemic exposure to minocycline as that observed in patients who use SOLODYN.

Minocycline was assessed for effects on peri- and postnatal development of rats in a study that involved oral administration to pregnant rats from Day 6 of gestation through

the period of lactation (postpartum Day 20) at dosages of 5, 10, or 50 mg/kg/day. In this study, body weight gain was significantly reduced in pregnant females that received 50 mg/kg/day, resulting in approximately 2.5 times the systemic exposure to minocycline observed in patients as a result of use of SOLODYN. No effects of treatment on the duration of the gestation period or the number of live pups born per litter were observed. Gross external anomalies observed in F1 pups (offspring of animals that received minocycline) included reduced body size, improperly rotated forelimbs, and reduced size of extremities. No effects were observed on the physical development, behavior, learning ability, or reproduction of F1 pups, and there was no effect on gross appearance of F2 pups (offspring of F1 animals).

8.3 Nursing Mothers

Tetracycline-class antibiotics are excreted in human milk. Because of the potential for serious adverse effects on bone and tooth development in nursing infants from tetracycline-class antibiotics, a decision should be made whether to discontinue nursing or discontinue the drug, taking into account the importance of the drug to the mother [see *Warnings and Precautions* (5.1)].

8.4 Pediatric Use

SOLODYN is indicated to treat only inflammatory lesions of non-nodular moderate to severe acne vulgaris in patients 12 years and older. Safety and effectiveness in pediatric patients below the age of 12 has not been established.

Use of tetracycline-class antibiotics below the age of 8 is not recommended due to the potential for tooth discoloration [see *Warnings and Precautions* (5.1)].

8.5 Geriatric Use

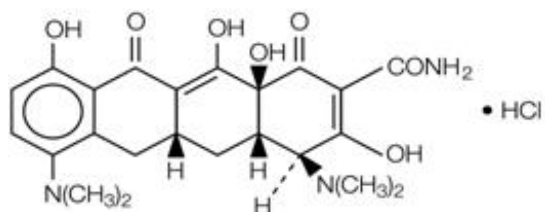
Clinical studies of SOLODYN did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and concomitant disease or other drug therapy.

10 OVERDOSAGE

In case of overdosage, discontinue medication, treat symptomatically, and institute supportive measures. Minocycline is not removed in significant quantities by hemodialysis or peritoneal dialysis.

11 DESCRIPTION

Minocycline hydrochloride, a semi-synthetic derivative of tetracycline, is [4S-(4 α ,4a α ,5a α ,12a α)]-4,7-Bis(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxo-2-naphthacenecarboxamide monohydrochloride. The structural formula is represented below:



C₂₃H₂₇N₃O₇•HCl M. W. 493.95

SOLODYN Tablets for oral administration contain minocycline hydrochloride USP equivalent to 55 mg, 65 mg, 80 mg, 105 mg, or 115 mg of minocycline. In addition, 55 mg, 65 mg, 80 mg, 105 mg, and 115 mg tablets contain the following inactive ingredients: lactose monohydrate NF, hypromellose type 2910 USP, magnesium stearate NF, colloidal silicon dioxide NF, and carnauba wax NF. The 55 mg tablets also contain Opadry II Pink which contains: hypromellose type 2910 USP, titanium dioxide USP, lactose monohydrate NF, polyethylene glycol 3350 NF, triacetin USP, and FD&C Red #40. The 65 mg tablets also contain Opadry II Blue which contains: hypromellose type 2910 USP, lactose monohydrate NF, FD&C Blue #1, polyethylene glycol 3350 NF, FD&C Blue #2, titanium dioxide USP, triacetin USP, and D&C Yellow #10. The 80 mg tablets also contain Opadry II Gray which contains: hypromellose type 2910 USP, lactose monohydrate NF, polyethylene glycol 3350 NF, FD&C Blue #2, FD&C Red #40, titanium dioxide USP, triacetin USP, and FD&C Yellow #6. The 105 mg tablets also contain Opadry II Purple which contains: hypromellose type 2910 USP, lactose monohydrate NF, titanium dioxide USP, D&C Red #27, polyethylene glycol 3350 NF, triacetin USP, and FD&C Blue #1. The 115 mg tablets also contain Opadry II Green which contains: hypromellose type 2910 USP, lactose monohydrate NF, D&C Yellow #10, triacetin USP, FD&C Blue #1, titanium dioxide USP, and FD&C Blue #2.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

The mechanism of action of SOLODYN for the treatment of acne is unknown.

12.2 Pharmacodynamics

The pharmacodynamics of SOLODYN for the treatment of acne are unknown.

12.3 Pharmacokinetics

SOLODYN Tablets are not bioequivalent to non-modified release minocycline products. Based on pharmacokinetic studies in healthy adults, SOLODYN Tablets produce a delayed T_{max} at 3.5–4.0 hours as compared to a non-modified release reference minocycline product (T_{max} at 2.25–3 hours). At steady-state (Day 6), the mean AUC(0–24) and C_{max} were 33.32 mcg×hr/mL and 2.63 mcg/mL for SOLODYN Tablets and 46.35 mcg×hr/mL and 2.92 mcg/mL for Minocin[®] capsules, respectively. These parameters are based on dose adjusted to 135 mg/day for both products.

A single-dose, four-way crossover study demonstrated that SOLODYN Tablets used in the study (45 mg, 90 mg, 135 mg) exhibited dose-proportional pharmacokinetics. In

another single-dose, five-way crossover pharmacokinetic study, SOLODYN Tablets 55 mg, 80 mg, and 105 mg were shown to be dose-proportional to SOLODYN Tablets 90 mg and 135 mg.

When SOLODYN Tablets were administered concomitantly with a meal that included dairy products, the extent and timing of absorption of minocycline did not differ from that of administration under fasting conditions.

Minocycline is lipid soluble and distributes into the skin and sebum.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis—In a carcinogenicity study in which minocycline HCl was orally administered to male and female rats once daily for up to 104 weeks at dosages up to 200 mg/kg/day, minocycline HCl was associated in both genders with follicular cell tumors of the thyroid gland, including increased incidences of adenomas, carcinomas and the combined incidence of adenomas and carcinomas in males, and adenomas and the combined incidence of adenomas and carcinomas in females. In a carcinogenicity study in which minocycline HCl was orally administered to male and female mice once daily for up to 104 weeks at dosages up to 150 mg/kg/day, exposure to minocycline HCl did not result in a significantly increased incidence of neoplasms in either males or females.

Mutagenesis—Minocycline was not mutagenic *in vitro* in a bacterial reverse mutation assay (Ames test) or CHO/HGPRT mammalian cell assay in the presence or absence of metabolic activation. Minocycline was not clastogenic *in vitro* using human peripheral blood lymphocytes or *in vivo* in a mouse micronucleus test.

Impairment of Fertility—Male and female reproductive performance in rats was unaffected by oral doses of minocycline of up to 300 mg/kg/day, which resulted in up to approximately 40 times the level of systemic exposure to minocycline observed in patients as a result of use of SOLODYN. However, oral administration of 100 or 300 mg/kg/day of minocycline to male rats, resulting in approximately 15 to 40 times the level of systemic exposure to minocycline observed in patients as a result of use of SOLODYN, adversely affected spermatogenesis. Effects observed at 300 mg/kg/day included a reduced number of sperm cells per gram of epididymis, an apparent reduction in the percentage of sperm that were motile, and (at 100 and 300 mg/kg/day) increased numbers of morphologically abnormal sperm cells. Morphological abnormalities observed in sperm samples included absent heads, misshapen heads, and abnormal flagella.

Limited human studies suggest that minocycline may have a deleterious effect on spermatogenesis.

SOLODYN should not be used by individuals of either gender who are attempting to conceive a child.

14 CLINICAL STUDIES

The safety and efficacy of SOLODYN in the treatment of inflammatory lesions of non-

nodular moderate to severe acne vulgaris was assessed in two 12-week, multicenter, randomized, double-blind, placebo-controlled trials in subjects ≥ 12 years. The mean age of subjects was 20 years and subjects were from the following racial groups: White (73%), Hispanic (13%), Black (11%), Asian/Pacific Islander (2%), and Other (2%).

In two efficacy and safety trials, a total of 924 subjects with non-nodular moderate to severe acne vulgaris received SOLODYN or placebo for a total of 12 weeks, according to the following dose assignments.

Table 3: Clinical Studies Dosing Table

Subject's Weight (lbs)	Subject's Weight (kg)	Available Tablet Strength (mg)	Actual Dose (mg/kg)
99 – 131	45 – 59	45	1 – 0.76
132 – 199	60 – 90	90	1.5 – 1
200 – 300	91 – 136	135	1.48 – 0.99

The two primary efficacy endpoints were:

1. Mean percent change in inflammatory lesion counts from Baseline to 12 weeks.
2. Percentage of subjects with an Evaluator's Global Severity Assessment (EGSA) of clear or almost clear at 12 weeks.

Efficacy results are presented in Table 4.

Table 4: Efficacy Results at Week 12

	Trial 1 SOLODYN (1 mg/kg) N = 300	Placebo N = 151	Trial 2 SOLODYN (1 mg/kg) N = 315	Placebo N = 158
Mean Percent Improvement in Inflammatory Lesions	43.1%	31.7%	45.8%	30.8%
No. (%) of Subjects Clear or Almost Clear on the EGSA*	52 (17.3%)	12 (7.9%)	50 (15.9%)	15 (9.5%)

* Evaluator's Global Severity Assessment

SOLODYN did not demonstrate any effect on non-inflammatory lesions (benefit or worsening).

16 HOW SUPPLIED/STORAGE AND HANDLING

16.1 How Supplied

SOLODYN (minocycline HCl, USP) Extended Release Tablets are supplied as aqueous film-coated tablets containing minocycline hydrochloride equivalent to 55 mg, 65 mg, 80 mg, 105 mg, or 115 mg minocycline, as follows.

The 55 mg extended release tablets are pink, unscored, coated, and debossed with "DYN-055" on one side. Each tablet contains minocycline hydrochloride equivalent to 55 mg minocycline, supplied as follows:

NDC 99207-465-30	Bottle of 30
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The 65 mg extended release tablets are blue, unscored, coated, and debossed with "DYN-065" on one side. Each tablet contains minocycline hydrochloride equivalent to 65 mg minocycline, supplied as follows:

NDC 99207-463-30	Bottle of 30
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The 80 mg extended release tablets are dark gray, unscored, coated, and debossed with "DYN-080" on one side. Each tablet contains minocycline hydrochloride equivalent to 80 mg minocycline, supplied as follows:

NDC 99207-466-30	Bottle of 30
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The 105 mg extended release tablets are purple, unscored, coated, and debossed with "DYN-105" on one side. Each tablet contains minocycline hydrochloride equivalent to 105 mg minocycline, supplied as follows:

NDC 99207-467-30	Bottle of 30
------------------	--------------

The 115 mg extended release tablets are green, unscored, coated, and debossed with "DYN-115" on one side. Each tablet contains minocycline hydrochloride equivalent to 115 mg minocycline, supplied as follows:

NDC 99207-464-30	Bottle of 30
------------------	--------------

16.2 Storage

Store at 25°C (77°F); excursions are permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature].

16.3 Handling

Keep out of reach of children.

Protect from light, moisture, and excessive heat.

Dispense in tight, light-resistant container with child-resistant closure.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information).

Patients taking SOLODYN (minocycline HCl, USP) Extended Release Tablets should receive the following information and instructions:

- SOLODYN should not be used by pregnant women or women attempting to conceive a child [*see Use in Specific Populations (8.1) and Nonclinical Toxicology (13.1)*].
- It is recommended that SOLODYN not be used by men who are attempting to father a child [*see Nonclinical Toxicology (13.1)*].
- Patients should be advised that pseudomembranous colitis can occur with minocycline therapy. If patients develop watery or bloody stools, they should seek medical attention.
- Patients should be counseled about the possibility of hepatotoxicity. Patients should seek medical advice if they experience symptoms which can include loss of appetite, tiredness, diarrhea, skin turning yellow, bleeding easily, confusion, and sleepiness.
- Patients who experience central nervous system symptoms [*see Warnings and Precautions (5.5)*] should be cautioned about driving vehicles or using hazardous machinery while on minocycline therapy. Patients should seek medical help for persistent headaches or blurred vision.
- Concurrent use of tetracycline may render oral contraceptives less effective [*see Drug Interactions (7.5)*].
- Autoimmune syndromes, including drug-induced lupus-like syndrome, autoimmune hepatitis, vasculitis and serum sickness have been observed with tetracycline-class drugs, including minocycline. Symptoms may be manifested by arthralgia, fever, rash, and malaise. Patients who experience such symptoms should be cautioned to stop the drug immediately and seek medical help.
- Patients should be counseled about discoloration of skin, scars, teeth, or gums that can arise from minocycline therapy.
- Photosensitivity manifested by an exaggerated sunburn reaction has been observed in some individuals taking tetracyclines, including minocycline. Patients should minimize or avoid exposure to natural or artificial sunlight (i.e., tanning beds or UVA/B treatment) while using minocycline. If patients need to be outdoors while using minocycline, they should wear loose-fitting clothes that protect skin from sun exposure and discuss other sun protection measures with their physician. Treatment should be discontinued at the first evidence of skin erythema.
- SOLODYN should be taken exactly as directed. Skipping doses or not completing the full course of therapy may decrease the effectiveness of the current treatment course and increase the likelihood that bacteria will develop resistance and will not be treatable by other antibacterial drugs in the future.
- Patients should be advised to swallow SOLODYN Tablets whole and not to chew, crush, or split the tablets.

Distributed by:

Valeant Pharmaceuticals North America LLC

Bridgewater, NJ 08807 USA

U.S. Patent Numbers: 5,908,838; 7,790,705; 7,919,483; 8,252,776; 8,268,804; 8,722,650 and 9,192,615

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Rev. 09/2017

9387304 N4605J

Patient Information
SOLODYN® (SO-lo-dīn)
(minocycline HCl)
Extended Release Tablets

Read this Patient Information leaflet that comes with SOLODYN before you start taking it and each time you get a refill. There may be new information. This leaflet does not take the place of talking with your doctor about your condition or treatment.

What is SOLODYN?

SOLODYN is a tetracycline-class drug. SOLODYN is prescription medicine used to treat pimples and red bumps (non-nodular inflammatory lesions) that happen with moderate to severe acne vulgaris in people 12 years and older. SOLODYN is not effective for acne that is not red-looking (this means acne that is not inflammatory).

It is not known if SOLODYN is:

- safe for use longer than 12 weeks.
- safe and effective for the treatment of infections.
- safe and effective in children under the age of 12 years.

Who should not take SOLODYN?

Do not take SOLODYN if you are allergic to tetracycline-class drugs. Ask your doctor or pharmacist for a list of these medicines if you are not sure.

What should I tell my doctor before taking SOLODYN?

Before you take SOLODYN, tell your doctor if you:

- have kidney problems. Your doctor may prescribe a lower dose of medicine for you.
- have liver problems.
- have diarrhea or watery stools.
- have vision problems.
- plan to have surgery with general anesthesia.
- have any other medical conditions.
- are a male, and you and your female partner are trying to conceive a baby. You should not take SOLODYN.
- are pregnant or plan to become pregnant. SOLODYN may harm your unborn baby. Taking SOLODYN while you are pregnant may cause serious side effects on the growth of bone and teeth of your baby. Talk to your doctor before taking SOLODYN if you plan to become pregnant **or** if you are already taking SOLODYN and plan to become pregnant. Stop taking SOLODYN and call your doctor right away if you become pregnant while taking SOLODYN.
- are breastfeeding or plan to breastfeed. SOLODYN passes into your milk and may harm your baby. You and your doctor should decide if you will take SOLODYN or breastfeed. You should not do both.

Tell your doctor about all the other medicines you take including prescription and nonprescription medicines, vitamins, and herbal supplements. SOLODYN may affect the way other medicines work, and other medicines may affect how SOLODYN works.

Especially tell your doctor if you take:

- **birth control pills.** SOLODYN may make your birth control pills less effective. You could become pregnant. You should use a second form of birth control while taking SOLODYN.
- **a blood thinner medicine.**
- **a penicillin antibiotic medicine.** SOLODYN and penicillins should not be used together.
- **antacids that contain aluminum, calcium, or magnesium or iron-containing products.**
- an acne medicine that contains **isotretinoin** (Amnesteem, Claravis, Sotret). SOLODYN and isotretinoin should not be used together.

Ask your doctor or pharmacist if you are not sure if your medicine is one that is listed above.

Know the medicines you take. Keep a list of them to show your doctor and pharmacist.

How should I take SOLODYN?

- Take SOLODYN exactly as your doctor tells you.
- Skipping doses or not taking all doses of SOLODYN may:
 - make the treatment not work as well.
 - increase the chance that the bacteria will become resistant to SOLODYN.
- **SOLODYN can be taken with or without food.** Taking SOLODYN with food may lower your chances of getting irritation or ulcers in your esophagus. Your esophagus is the tube that connects your mouth to your stomach.
- **Swallow SOLODYN Tablets whole. Do not chew, crush, or split the tablets.**

If you take too much SOLODYN, call your doctor or poison control center right away. Your doctor may do blood tests to check you for side effects during treatment with SOLODYN.

What should I avoid while taking SOLODYN?

- Avoid sunlight, sunlamps, and tanning beds. SOLODYN can make your skin sensitive to the sun and the light from sunlamps and tanning beds. You could get severe sunburn.
- Protect your skin while out in sunlight.
- You should not drive or operate dangerous machinery until you know how SOLODYN affects you. SOLODYN may cause you to feel dizzy or light-headed, or have a spinning feeling (vertigo).

What are possible side effects of SOLODYN?

SOLODYN may cause serious side effects, including:

- **Harm to an unborn baby.** See "**What should I tell my doctor before taking SOLODYN?**"
- **Permanent teeth discoloration.** SOLODYN may permanently turn a baby's or

child's teeth yellow-grey-brown during tooth development. SOLODYN should not be used during tooth development. Tooth development happens in the last half of pregnancy, and from birth to 8 years of age. See "**What should I tell my doctor before taking SOLODYN?**"

- **Intestine infection** (pseudomembranous colitis). Pseudomembranous colitis can happen with most antibiotics, including SOLODYN. Call your doctor right away if you get watery diarrhea, diarrhea that does not go away, or bloody stools.
- **Serious liver problems.** Stop taking SOLODYN and call your doctor right away if you get any of the following symptoms of liver problems:
 - loss of appetite
 - tiredness
 - diarrhea
 - yellowing of your skin or the whites of your eyes
 - unexplained bleeding
 - confusion
 - sleepiness
- **Central nervous system effects.** See "**What should I avoid while taking SOLODYN?**" Central nervous system effects such as light-headedness, dizziness, and a spinning feeling (vertigo) may go away during your treatment with SOLODYN or if treatment is stopped.
- **Benign intracranial hypertension, also called pseudotumor cerebri.** This is a condition where there is high pressure in the fluid around the brain. This swelling may lead to vision changes and permanent vision loss. Stop taking SOLODYN and tell your doctor right away if you have blurred vision, vision loss, or unusual headaches.
- **Immune system reactions including a lupus-like syndrome, hepatitis, and inflammation of blood or lymph vessels (vasculitis).** Using SOLODYN for a long time to treat acne may cause immune system reactions. Tell your doctor right away if you get a fever, rash, joint pain, or body weakness. Your doctor may do tests to check your blood for immune system reactions.
- **Serious rash and allergic reactions.** SOLODYN may cause a serious rash and allergic reactions that may affect parts of your body such as your liver, lungs, kidneys, and heart. Sometimes these can lead to death.
- Stop taking SOLODYN and get medical help right away if you have any of these symptoms:
 - skin rash, hives, sores in your mouth, or your skin blisters and peels
 - swelling of your face, eyes, lips, tongue, or throat
 - trouble swallowing or breathing
 - blood in your urine
 - fever, yellowing of the skin or the whites of your eyes, dark colored urine
 - pain on the right side of the stomach area (abdominal pain)
 - chest pain or abnormal heartbeats
 - swelling in your legs, ankles, and feet
 - darkening of your nails, skin, eyes, scars, teeth, and gums

The most common side effects of SOLODYN include:

- headache

- tiredness
- dizziness or spinning feeling
- itching

Call your doctor if you have a side effect that bothers you or that does not go away. Your doctor may do tests to check you for side effects during treatment with SOLODYN.

These are not all the side effects with SOLODYN. Ask your doctor or pharmacist for more information.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088. You may also report side effects to Valeant Pharmaceuticals North America LLC at 1-800-321-4576.

How should I store SOLODYN?

- Store SOLODYN between 59°F to 86°F (15°C to 30°C).
- Keep SOLODYN Tablets in the container that it comes in and keep the container tightly closed.
- Keep SOLODYN Tablets dry.

Keep SOLODYN and all medicines out of the reach of children.

General information about SOLODYN

Medicines are sometimes prescribed for purposes other than those listed in the Patient Information leaflet. Do not use SOLODYN for a condition for which it was not prescribed. Do not give SOLODYN to other people, even if they have the same symptoms you have. It may harm them.

This Patient Information leaflet summarizes the most important information about SOLODYN. If you would like more information, talk to your doctor. You can ask your doctor or pharmacist for information about SOLODYN that is written for health professionals.

For more information, call 1-800-321-4576.

What are the ingredients in SOLODYN?

Active ingredient: minocycline HCl.

Inactive ingredients: lactose monohydrate, hypromellose type 2910, magnesium stearate, colloidal silicon dioxide, and carnauba wax.

The 55 mg tablets also contain Opadry II Pink which contains: hypromellose type 2910, titanium dioxide, lactose monohydrate, polyethylene glycol 3350, triacetin, and FD&C Red #40.

The 65 mg tablets also contain Opadry II Blue which contains: hypromellose type 2910, lactose monohydrate, FD&C Blue #1, polyethylene glycol 3350, FD&C Blue #2, titanium dioxide, triacetin, and D&C Yellow #10.

The 80 mg tablets also contain Opadry II Gray which contains: hypromellose type 2910, lactose monohydrate, polyethylene glycol 3350, FD&C Blue #2, FD&C Red #40, titanium dioxide, triacetin, and FD&C Yellow #6.

The 105 mg tablets also contain Opadry II Purple which contains: hypromellose type

2910, lactose monohydrate, titanium dioxide, D&C Red #27, polyethylene glycol 3350, triacetin, and FD&C Blue #1.

The 115 mg tablets also contain Opadry II Green which contains: hypromellose type 2910, lactose monohydrate NF, D&C Yellow #10, triacetin, FD&C Blue #1, titanium dioxide, and FD&C Blue #2.

This Patient Information has been approved by the U.S. Food and Drug Administration.

Distributed by:

Valeant Pharmaceuticals North America LLC
Bridgewater, NJ 08807 USA

U.S. Patent Numbers: 5,908,838; 7,790,705; 7,919,483; 8,252,776; 8,268,804;
8,722,650 and 9,192,615

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Rev. 09/17

9387304 N4605J

PRINCIPAL DISPLAY PANEL - 55 mg Bottle Label

NDC 99207-465-30

SOLODYN®

(MINOCYCLINE HCl, USP)

EXTENDED RELEASE TABLETS

55 mg*

Rx only

30 Tablets



Unvarnished area
for serialization, lot
and exp

PRINCIPAL DISPLAY PANEL - 65 mg Bottle Label

NDC 99207-463-30
SOLODYN®
(MINOCYCLINE HCl, USP)
EXTENDED RELEASE TABLETS

65 mg*

Rx only

30 Tablets



Unvarnished area
for serialization, lot
and exp

PRINCIPAL DISPLAY PANEL - 80 mg Bottle Label

NDC 99207-466-30

SOLODYN®
(MINOCYCLINE HCl, USP)
EXTENDED RELEASE TABLETS

80 mg*

Rx only

30 Tablets



Unvarnished area
for serialization, lot
and exp

PRINCIPAL DISPLAY PANEL - 105 mg Bottle Label

NDC 99207-467-30

SOLODYN®

(MINOCYCLINE HCl, USP)

EXTENDED RELEASE TABLETS

105 mg*

Rx only

30 Tablets



Unvarnished area
for serialization, lot
and exp

PRINCIPAL DISPLAY PANEL - 115 mg Bottle Label

NDC 99207-464-30

SOLODYN®

(MINOCYCLINE HCl, USP)

EXTENDED RELEASE TABLETS

115 mg*

Rx only

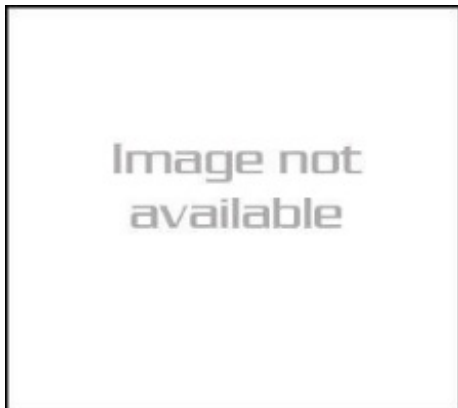
30 Tablets



Unvarnished area
for serialization, lot
and exp

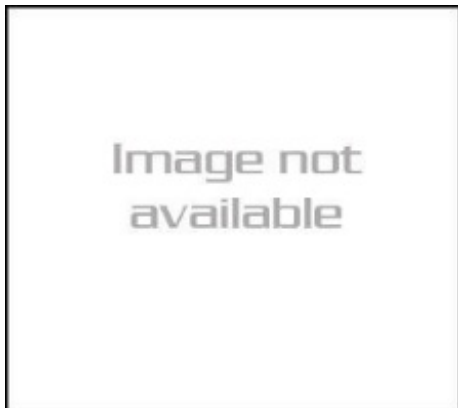
Package/Label Display Panel - 99207-460- Discontinued

Image not available



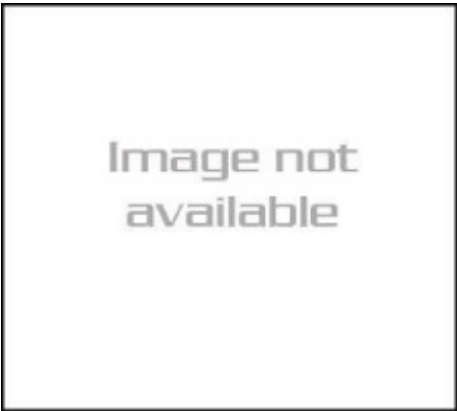
Package/Label Display Panel - 99207-461- Discontinued

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Package/Label Display Panel-99207-462 - Discontinued

Image not available



<div>SOLODYN</div> <div>minocycline hydrochloride tablet, film coated, extended release</div>																			
<div>Product Information</div> <table><tr><td>Product Type</td><td>HUMAN PRESCRIPTION DRUG</td><td>Item Code (Source)</td><td>NDC:99207-460</td></tr><tr><td>Route of Administration</td><td>ORAL</td><td colspan="2"></td></tr></table>				Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-460	Route of Administration	ORAL										
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-460																
Route of Administration	ORAL																		
<div>Active Ingredient/Active Moiety</div> <table><tr><td>Ingredient Name</td><td>Basis of Strength</td><td>Strength</td></tr><tr><td>minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)</td><td>minocycline</td><td>45 mg</td></tr></table>				Ingredient Name	Basis of Strength	Strength	minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	45 mg										
Ingredient Name	Basis of Strength	Strength																	
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	45 mg																	
<div>Inactive Ingredients</div> <table><tr><td>Ingredient Name</td><td>Strength</td></tr><tr><td>lactose monohydrate (UNII: EWQ57Q8I5X)</td><td></td></tr><tr><td>hypromellose 2910 (50 mpa.s) (UNII: 1IVH67816N)</td><td></td></tr><tr><td>titanium dioxide (UNII: 15FIX9V2JP)</td><td></td></tr><tr><td>triacetin (UNII: XHX3C3X673)</td><td></td></tr><tr><td>ferrosoferric oxide (UNII: XM0M87F357)</td><td></td></tr></table>				Ingredient Name	Strength	lactose monohydrate (UNII: EWQ57Q8I5X)		hypromellose 2910 (50 mpa.s) (UNII: 1IVH67816N)		titanium dioxide (UNII: 15FIX9V2JP)		triacetin (UNII: XHX3C3X673)		ferrosoferric oxide (UNII: XM0M87F357)					
Ingredient Name	Strength																		
lactose monohydrate (UNII: EWQ57Q8I5X)																			
hypromellose 2910 (50 mpa.s) (UNII: 1IVH67816N)																			
titanium dioxide (UNII: 15FIX9V2JP)																			
triacetin (UNII: XHX3C3X673)																			
ferrosoferric oxide (UNII: XM0M87F357)																			
<div>Product Characteristics</div> <table><tr><td>Color</td><td>GRAY</td><td>Score</td><td>no score</td></tr><tr><td>Shape</td><td>OVAL</td><td>Size</td><td>16mm</td></tr><tr><td>Flavor</td><td></td><td>Imprint Code</td><td>DYN;045</td></tr><tr><td>Contains</td><td></td><td colspan="2"></td></tr></table>				Color	GRAY	Score	no score	Shape	OVAL	Size	16mm	Flavor		Imprint Code	DYN;045	Contains			
Color	GRAY	Score	no score																
Shape	OVAL	Size	16mm																
Flavor		Imprint Code	DYN;045																
Contains																			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-460-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2006	02/28/2014
2	NDC:99207-460-10	100 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2006	02/28/2014
3	NDC:99207-460-01	20 in 1 CARTON	05/08/2006	02/28/2014
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA050808	05/08/2006	02/28/2014

SOLODYN

minocycline hydrochloride tablet, film coated, extended release

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-465
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	55 mg

Inactive Ingredients

Ingredient Name	Strength
HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
titanium dioxide (UNII: 15FIX9V2JP)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
polyethylene glycol 3350 (UNII: G2M7P15E5P)	
triacetin (UNII: XHX3C3X673)	
FD&C Red No. 40 (UNII: WZB9127XOA)	

Product Characteristics

Color	PINK	Score	no score
Shape	OVAL	Size	16mm
Flavor		Imprint Code	DYN;055
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-465-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	09/27/2010	
2	NDC:99207-465-02	10 in 1 CARTON	09/27/2010	
2		7 in 1 BOTTLE; Type 0: Not a Combination Product		
3	NDC:99207-465-01	20 in 1 CARTON	09/27/2010	06/01/2016
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA050808	09/27/2010	

SOLODYN

minocycline hydrochloride tablet, film coated, extended release

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-463
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	65 mg

Inactive Ingredients

Ingredient Name	Strength
HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
FD&C Blue No. 1 (UNII: H3R47K3TBD)	
polyethylene glycol 3350 (UNII: G2M7P15E5P)	
FD&C Blue No. 2 (UNII: L06K8R7DQK)	
titanium dioxide (UNII: 15FIX9V2JP)	
triacetin (UNII: XHX3C3X673)	
D&C Yellow No. 10 (UNII: 35SW5USQ3G)	

Product Characteristics				
Color		BLUE	Score	no score
Shape		OVAL	Size	16mm
Flavor			Imprint Code	DYN;065
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-463-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	07/23/2009	
2	NDC:99207-463-02	10 in 1 CARTON	07/23/2009	
2		7 in 1 BOTTLE; Type 0: Not a Combination Product		
3	NDC:99207-463-01	20 in 1 CARTON	07/23/2009	06/01/2016
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		
Marketing Information				
Marketing Category		Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA		NDA050808	07/23/2009	

SOLODYN

minocycline hydrochloride tablet, film coated, extended release

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-466
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	80 mg

Inactive Ingredients

Ingredient Name	Strength
HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
polyethylene glycol 3350 (UNII: G2M7P15E5P)	
FD&C Blue No. 2 (UNII: L06K8R7DQK)	
FD&C Red No. 40 (UNII: WZB9127XOA)	

titanium dioxide (UNII: 15FIX9V2JP)				
triacetin (UNII: XHX3C3X673)				
FD&C Yellow No. 6 (UNII: H77VEI93A8)				
Product Characteristics				
Color	GRAY	Score	no score	
Shape	OVAL	Size	16mm	
Flavor		Imprint Code	DYN;080	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-466-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	09/27/2010	
2	NDC:99207-466-02	10 in 1 CARTON	09/27/2010	
2		7 in 1 BOTTLE; Type 0: Not a Combination Product		
3	NDC:99207-466-01	20 in 1 CARTON	09/27/2010	06/01/2016
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		
Marketing Information				
Marketing Category	Application Number or Monograph Citation		Marketing Start Date	Marketing End Date
NDA	NDA050808		09/27/2010	

SOLODYN			
minocycline hydrochloride tablet, film coated, extended release			
Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-461
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)		minocycline	90 mg
Inactive Ingredients			
Ingredient Name			Strength

HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
titanium dioxide (UNII: 15FIX9V2JP)	
ferric oxide yellow (UNII: EX438O2MRT)	
polyethylene glycol 3350 (UNII: G2M7P15E5P)	
triacetin (UNII: XHX3C3X673)	

Product Characteristics

Color	YELLOW	Score	no score
Shape	OVAL	Size	16mm
Flavor		Imprint Code	DYN;090
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-461-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2006	05/31/2013
2	NDC:99207-461-10	100 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2006	05/31/2013
3	NDC:99207-461-01	20 in 1 CARTON	05/08/2006	05/31/2013
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA050808	05/08/2006	05/31/2013

SOLODYN

minocycline hydrochloride tablet, film coated, extended release

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-467
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	105 mg

Inactive Ingredients

Ingredient Name	Strength
HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
titanium dioxide (UNII: 15FIX9V2JP)	
D&C Red No. 27 (UNII: 2LRS185U6K)	
polyethylene glycol 3350 (UNII: G2M7P15E5P)	
triacetin (UNII: XHX3C3X673)	
FD&C Blue No. 1 (UNII: H3R47K3TBD)	

Product Characteristics

Color	PURPLE	Score	no score
Shape	OVAL	Size	16mm
Flavor		Imprint Code	DYN;105
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-467-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	09/27/2010	
2	NDC:99207-467-02	10 in 1 CARTON	09/27/2010	
2		7 in 1 BOTTLE; Type 0: Not a Combination Product		
3	NDC:99207-467-01	20 in 1 CARTON	09/27/2010	06/01/2016
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA050808	09/27/2010	

SOLODYN

minocycline hydrochloride tablet, film coated, extended release

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-464
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
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minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	115 mg
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Inactive Ingredients

Ingredient Name	Strength
HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
D&C Yellow No. 10 (UNII: 35SW5USQ3G)	
triacetin (UNII: XHX3C3X673)	
FD&C Blue No. 1 (UNII: H3R47K3TBD)	
titanium dioxide (UNII: 15FIX9V2JP)	
FD&C Blue No. 2 (UNII: L06K8R7DQK)	

Product Characteristics

Color	GREEN	Score	no score
Shape	OVAL	Size	16mm
Flavor		Imprint Code	DYN;115
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-464-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	07/23/2009	
2	NDC:99207-464-02	10 in 1 CARTON	07/23/2009	
2		7 in 1 BOTTLE; Type 0: Not a Combination Product		
3	NDC:99207-464-01	20 in 1 CARTON	07/23/2009	06/01/2016
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA050808	07/23/2009	

SOLODYN

minocycline hydrochloride tablet, film coated, extended release

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:99207-462
Route of Administration	ORAL		

Active Ingredient/Active Moiety		
Ingredient Name	Basis of Strength	Strength
minocycline hydrochloride (UNII: 0020414E5U) (minocycline - UNII:FYY3R43WGO)	minocycline	135 mg

Inactive Ingredients	
Ingredient Name	Strength
HYPROMELLOSE 2910 (50 MPA.S) (UNII: 1IVH67816N)	
lactose monohydrate (UNII: EWQ57Q8I5X)	
titanium dioxide (UNII: 15FIX9V2JP)	
polyethylene glycol 3350 (UNII: G2M7P15E5P)	
ferric oxide red (UNII: 1K09F3G675)	
triacetin (UNII: XHX3C3X673)	

Product Characteristics			
Color	PINK (orange-brown)	Score	no score
Shape	OVAL	Size	16mm
Flavor		Imprint Code	DYN;135
Contains			

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:99207-462-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2006	02/28/2014
2	NDC:99207-462-10	100 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2006	02/28/2014
3	NDC:99207-462-01	20 in 1 CARTON	05/08/2006	02/28/2014
3		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		

Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA050808	05/08/2006	02/28/2014

Labeler - Bausch Health US LLC (831922468)

Establishment			
Name	Address	ID/FEI	Business Operations
Alcami Carolinas Corporation		832395235	MANUFACTURE(99207-460, 99207-465, 99207-463, 99207-466, 99207-461, 99207-467, 99207-464, 99207-462)

