NADOLOL - nadolol tablet
Zydus Pharmaceuticals USA Inc.

Nadolol Tablets, USP

DESCRIPTION

Nadolol is a synthetic nonselective beta-adrenergic receptor blocking agent designated chemically as 5-[3-(tert-butylamino)-2-hydroxypropoxy]-1,2,3,4-tetrahydro-2-naphthalenediol,2-propanediol. Structural formula:

$C_{17}H_{27}NO_4$ · $C_3H_8O_2$ MW 341.41

Nadolol, USP is a white to off white, practically odorless, crystalline powder. It is freely soluble in alcohol and in methanol, soluble in water at pH 2, slightly soluble in dichloromethane, and practically insoluble in ether and in hexane. Nadolol (17 and pH 10) is insoluble in acetone, benzene, ether, hexane and trichloroethane.

Nadolol tablets, USP are available for oral administration as 20-mg, 40-mg and 80-mg tablets. Inactive ingredients include colloidal silicon dioxide, croscarmellose sodium, magnesium stearate, microcrystalline cellulose, povidone, and sodium starch glycolate. The 20-mg tablets are light yellow, round, flat-faced, beveled edge uncoated tablets debossed with "20" on one half of the breakline and "927" on the other half. The 40-mg tablets contains FD&C blue 2.

CLINICAL PHARMACOLOGY

Nadolol is a nonselective beta-adrenergic receptor blocking agent. Clinical pharmacology studies have demonstrated beta-blocking activity by showing (1) reduction in heart rate and cardiac output at rest and on exercise, (2) reduction of systolic and diastolic blood pressure at rest and on exercise, (3) inhibition of isoproterenol-induced tachycardia, and (4) reduction of reflex orthostatic hypotension.

Nadolol specifically competes with beta-adrenergic receptor agonists for available beta receptor sites. It has no significant affinity for alpha-receptors at doses that completely block the beta1-receptors located chiefly in the bronchial and vascular musculature. Inhibition of beta1-receptors in the myocardium results in decreased resting and exercise heart rate and cardiac output (proportionately). Nadolol has no intrinsic sympathomimetic activity and, unlike some beta-adrenergic receptor blocking agents, does not depress the myocardial contractile activity and does not have an anesthetic like membrane- stabilizing action. Animal and human studies show that nadolol, given the sinus rate and depresses AV conduction. In animal studies, nadolol has been shown to be devoid of membrane activity at doses of about and other organs and tissues. Nadolol has low lipophilicity as determined by its partition coefficient, which is about 1/30 that of propranolol. This lipophilicity value has been correlated with the limited extent to which these agents cross the blood-brain barrier and the low concentrations in the brain, and low incidence of CNS- related side effects.

In controlled clinical studies, nadolol at doses of 40 to 320 mg/day has been shown to reduce supine and standing blood pressure. The effect persisting for approximately 24 hours after dosing.

The mechanism of the antihypertensive effects of beta-adrenergic receptor blocking agents has not been established. Several possibilities are under investigation: (1) competitive antagonism of catecholamines at peripheral (mainly beta1) adrenergic neuron sites (especially cardiac) leading to decreased cardiac output, (2) a central effect leading to reduced sympathetic outflow to the periphery, and (3) suppression of renin activity, the latter secondary to blockade of the beta-adrenergic receptors responsible for renin release from the kidney.

While cardiac output and arterial pressure are reduced by nadolol therapy, renal hemodynamics are stable, with preservation of renal blood flow and glomerular filtration rate.

By blocking catecholamine-induced increases in heart rate, velocity and extent of myocardial contraction, and blood pressure, nadolol generally reduces the oxygen requirements of the heart at any given level of exercise. This forms the basis for its use in the long-term management of angina pectoris. On the other hand, nadolol can increase the size of the heart and the left ventricular end-diastolic filling pressure, as well as the heart weight and end- diastolic pressure, particularly in patients with heart failure.

Although beta-adrenergic receptor blockade is useful in treatment of angina and hypertension, it may be detrimental in certain patients when used to excess (e.g., for example, in patients with severely damaged hearts, adequate ventricular function may depend on sympathetic drive. Beta- adrenergic blockade may worsen AV block by increasing refractoriness of the AV node. Bronchospasm may be precipitated. Beta2- adrenergic blockade results in passive bronchial constriction by interfering with endogenous or exogenous catecholamine-induced bronchodilation. Nonselective drugs may also interfere with exogenous bronchodilators in such patients.

Absorption of nadolol after oral dosing is variable, averaging about 30 percent. Peak serum concentrations of nadolol usually occur in three to four hours after oral administration. Food does not affect the rate of absorption of nadolol but does affect the rate or extent of nadolol absorption. Approximately 30 percent of the nadolol present in the blood is bound to plasma proteins.

Unlike many other beta-adrenergic blocking agents, nadolol is not metabolized by the liver and is excreted unchanged, principally by the kidneys.

The half life of therapeutic doses of nadolol is about 20 to 24 hours, permitting once-daily dosing. The elimination half-life is prolonged in patients with renal failure. The increases in most follow (see PRECAUTIONS and DOSAGE AND ADMINISTRATION).

Nadolol has been shown to be effective in controlling blood pressure for 24 hours with daily dosage in persons with normal renal function. Because of variable absorption and unpredictable bioavailability, titration of dosage to individual response is recommended.

Exacerbation of angina and, in some cases, myocardial infarction and ventricular dysrhythmia have been reported after abrupt discontinuation of therapy with beta-adrenergic receptor blocking agents. Usually the patient has been receiving large doses of these agents in patients without coronary artery disease has resulted in transient symptoms, including hallucinations, sweating, palpitation, headache, and malaise. Consequently, patients should be warned against interruption or discontinuation of therapy without the physician's advice. Because coronary artery disease is common and may be unrecognized, it may be prudent not to discontinue nadolol therapy abruptly even in patients treated only for hypertension.

INDICATIONS AND USAGE

Angina Pectoris

Nadolol tablets are indicated for the long-term management of patients with angina pectoris.

Hypertension

Nadolol tablets are indicated for the treatment of hypertension, to lower blood pressure. Lowering blood pressure reduces the risk of fatal and nonfatal cardiovascular events, primarily stroke and myocardial infarctions. These benefits have been seen in controlled trials of antihypertensive drugs from a wide variety of pharmacologic classes including the class to which this drug principally belongs. There are no controlled trials demonstrating risk reduction with nadolol.

Control of high blood pressure should be part of comprehensive cardiovascular risk management, including, as appropriate, lipid control, diabetes management, antithrombotic therapy, smoking cessation, exercise, and limited sodium intake. Many patients will require more than one drug to achieve blood pressure goals. For specific advice on goals and management, see published guidelines, such as those of the National High Blood Pressure Education Program's Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure (JNC).

Numerous antihypertensive drugs, from a variety of pharmacologic classes and with different mechanisms of action, have been shown in randomized controlled trials to reduce cardiovascular morbidity and mortality, and it can be concluded that it is blood pressure reduction, and not some other pharmacologic property of the drugs, that is largely responsible for those benefits. The largest and most consistent cardiovascular outcome benefit has been a reduction in the risk of stroke, but reductions in myocardial infarction and cardiovascular mortality also have been seen regularly.

Elevated systolic or diastolic pressure causes increased cardiovascular risk, and the absolute risk associated with given increment in pressure is greater at higher pressures, so modest reductions of severe hypertension can provide substantial benefit. Relative risk reduction from blood pressure reduction is similar across populations with varying absolute risk, so the absolute benefit is greater in patients who are at higher risk independent of their hypertension (for example, patients with diabetes or hypercholesterolemia), and such patients would benefit from lower blood pressure treatment to a lower blood pressure goal.

Some antihypertensive drugs have smaller blood pressure effects (as monotherapy) in black patients, and many antihypertensive drugs have additional approved indications and effects (e.g., on angina or renal disease) that may influence this decision. These considerations may guide selection of therapy.

Nadolol tablets may be used alone or in combination with other antihypertensive agents, especially diuretic-type diuretics.

CONTRAINDICATIONS

Nadolol is contraindicated in bronchial asthma, sinus bradycardia and greater than first degree AV block, cardiogenic shock, and overt cardiac failure (see WARNINGS).

WARNINGS

Cardiac Failure

Sympathetic stimulation may be a vital component supporting circulatory function in congestive heart failure, and its inhibition by beta-blockade may precipitate more severe failure. Although beta blockers should be avoided in overt congestive heart failure, they can be used with caution in patients with a history of failure who are well compensated, usually with digitalis and diuretics. Beta-adrenergic blocking agents do not abolish the inotropic action of digitalis on heart muscle.

Deaths within the first few weeks of treatment with beta blockers, and of beta blockers, are in some cases, lead to cardiac failure. Therefore, at the first sign or symptoms of heart failure, the patient should be digitalized and/or treated with diuretics, and the response observed closely, or nadolol should be discontinued (gradually, if possible).

Exacerbation of Ischemic Heart Disease Following Abrupt Withdrawal of (gamma)-blocker by catecholamines has been observed in patients withdrawn from beta-adrenergic receptor blocking agents. Exacerbation of angina pectoris and, in some cases, myocardial infarction and ventricular dysrhythmias have occurred after abrupt discontinuation of such therapy. For these reasons, patients should not avoid abrupt discontinuation of therapy without the physician's advice. Patients should be warned against interruption or discontinuation of therapy without the physician's advice. Because coronary artery disease is common and may be unrecognized, it may be prudent not to discontinue nadolol therapy abruptly even in patients treated only for hypertension.

Nonallergic Bronchospasm (e.g., chronic bronchitis, emphysema)

PATIENTS WITH BRONCHOSPASTIC DISEASES SHOULD, IN GENERAL, NOT RECEIVE BETA-BLOCKERS. Nadolol should be administered with caution since non-BETA1-bronchodilation produced by endogenous or exogenous catecholamine stimulation of beta2-receptors.

Major Surgery

The necessity of a sustained beta-blocking therapy should not be routinely withdrawn prior to major surgery; however, the impaired ability of the heart to respond to reflex adrenergic stimuli may augment the risks of general anesthesia and surgical procedures.

Diabetes and Hypoglycemia

Beta-adrenergic blockade may prevent the appearance of premonitory signs and symptoms (e.g., tachycardia) of acute hypoglycemia, such as occurs in labile insulin-dependent diabetes. It is especially important with labile diabetics. Beta-blockade also reduces the release of insulin in response to hyperglycemia; therefore, it may be necessary to adjust the dose of antidiabetic drugs.

Thyrotoxicosis

Beta-adrenergic blockade may mask certain clinical signs (e.g., tachycardia) of hyperthyroidism. Patients suspected of developing thyrotoxicosis should be managed carefully to avoid abrupt withdrawal of beta-adrenergic blockade which might precipitate a thyroid storm.

PRECAUTIONS

Impaired Renal Function

Nadolol should be used with caution in patients with impaired renal function (see DOSAGE AND ADMINISTRATION).

INFORMATION FOR PATIENTS

Patients, especially those with evidence of coronary artery insufficiency, should be warned against interruption or discontinuation of nadolol therapy without the physician's advice.

Although cardiac failure rarely occurs in properly selected patients, patients being treated with beta-adrenergic blocking agents should be advised to consult the physician at the first sign or symptom of impending failure. Patients should also be advised of a proper course in the event of an inadvertently missed dose.

DRUG INTERACTIONS

Based on pharmacodynamic assembly, the following drugs may interact with beta-adrenergic receptor blocking agents:

Anesthetics (general)—antagonism of the hypotension induced by general anesthetics. Use lowest possible dose.

Ambulatory drugs (oral agents and insulin)—hypoglycemia or hyperglycemia; adjust dosage of ambulatory drug accordingly (see WARNINGS, Diabetes and Hypoglycemia).

Catecholamine-depleting drugs (e.g., reserpine)—additive effects; monitor closely for evidence of hypotension and/or bradycardia which may be severe (e.g., vertigo, syncope, postural hypotension).

Digitalis glycosides—Both digitalis glycosides and beta-blockers slow atrioventricular conduction and decrease heart rate. Concomitant use can increase the risk of bradycardia.

Response to Treatment for Anaphylactic Reaction—While taking beta-blockers, patients may be unresponsive to the usual doses of epinephrine used to treat allergic reactions. Such patients may be unresponsive to the usual doses of epinephrine used to treat allergic reactions.

Carcinogenesis, Mutagenesis, Impairment of Fertility

In chronic oral toxicology studies (one to two years) in rats, rats, and dogs, nadolol did not produce any significant toxic effects. In two-year oral carcinogenic studies in rats and mice, nadolol showed no evidence of carcinogenicity, mutagenicity, or pathologic lesions. In fertility and general reproductive performance studies in rats, nadolol caused no adverse effects.

Pregnancy

Category C

In animal reproduction studies with nadolol, evidence of embryo- and fetotoxicity was found in rabbits, but not in rats or hamsters, at doses 5 to 10 times greater (on a mg/kg basis) than the maximum indicated human dose. No teratogenic potential was observed in any species.

There are no adequate and well-controlled studies in pregnant women. Nadolol should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. Beta-adrenergic blockade can result in fetal or perinatal harm (see nonfetal bradycardia, hypoglycemia, and associated symptoms.

Nursing Mothers

Nadolol is excreted in human milk. Because of the potential for adverse effects in nursing infants, a decision should be made whether to discontinue nursing or to discontinue therapy taking into account the importance of nadolol tablets to the mother.

Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

ADVERSE REACTIONS

Most adverse effects have been mild and transient and have rarely required withdrawal of therapy.

Cardiovascular

Bradycardia with heart rates of less than 60 beats per minute occurs commonly, and sometimes leads to dose reduction or withdrawal of therapy. Congestive heart failure in about 2 of 100 patients. Symptoms of peripheral vascular insufficiency, usually of the Raynaud type, have been observed in about 1 of 100 patients. Postural hypotension, and rhythm/conduction disturbances have each occurred in about 1 of 1000 patients. Intensification of AV block and bradycardia leading to syncope have been reported. Intensification of (2) block is a known effect of beta-blockers (see also CONTRAINDICATIONS, WARNINGS, and PRECAUTIONS).

Central Nervous System

Dizziness or fatigue has been reported in approximately 2 of 100 patients; paresthesias, headache, and change in behavior have each been reported in approximately 1 of 1000 patients.

Respiratory

Bronchospasm has been reported in approximately 1 of 1000 patients (see CONTRAINDICATIONS and WARNINGS).

Gastrointestinal

Nausea, diarrhea, abdominal discomfort, constipation, vomiting, indigestion, anorexia, and flatulence have been reported in 1 to 1 of 1000 patients.

Miscellaneous

Each of the following has been reported in 1 to 9 of 1000 patients: rash, pruritus, reversible hair loss, eyes, or skin, impotence or decreased libido, and reversible peyronie's disease. Reversible alopecia has been reported infrequently.

Each of the following has been reported in isolated patients taking nadolol and/or other beta- adrenergic blocking agents, but no causal relationship to nadolol has been established.

Central Nervous System

Reversible mental depression progressing to catatonia; visual disturbances; hallucinations; an acute reversible syndrome characterized by disorientation for time and place; short-term memory loss; emotional lability with slightly clouded sensorium; and decreased performance on neuropsychometrics.

Gastrointestinal

Mesenteric arterial thrombosis; ischemic colitis; elevated liver enzymes.

Hematologic

Agranulocytosis, thrombocytopenic or nonthrombocytopenic purpura.

Allergic

Fever combined with aching and sore throat; laryngospasm; respiratory distress.

Miscellaneous

Peroniphpial rash; hypertensive reaction in patients with pheochromocytoma; sleep disturbances; and drowsiness.

The oculomucocutaneous syndrome associated with the beta-blocker practolol has not been reported with nadolol.

OVERDOSAGE

Nadolol can be removed from the general circulation by hemodialysis.

In addition to gastric lavage, the following measures should be employed, as appropriate, in determining the duration of corrective therapy, total must be taken of the long half-life of nadolol.

Excessive Bradycardia

Administer atropine (0.25 to 1 mg). If there is no response to vagal blockade, administer isoproterenol cautiously.

Cardiac Failure

Administer a digitalis glycoside and diuretic. It has been reported that glucagon may also be useful in this situation.

Hypotension

Administer vasopressors, e.g. zolpidem hcl or levarterenol. (There is evidence that dopamine may worsen the shock of overdose.)

Bronchospasm

Administer a beta2-stimulating agent and/or a theophylline derivative.

DOSAGE AND ADMINISTRATION

THE ANTIANGINAL AND ANTIHYPERTENSIVE EFFECTS OF NADOLOL TABLETS MAY BE ADMINISTERED WITHOUT REGARD TO MEALS.

Angina Pectoris

The usual initial dose is 40 mg nadolol once daily. Dosage may be gradually increased in 40 to 80 mg increments at 3 to 7 day intervals until optimum clinical response is obtained. The usual maintenance dose is 40 to 80 mg once daily. Some patients may require as little as 20 or 160 mg administered once daily. Doses up to 240 or 320 mg administered once daily may be needed.

Safety and effectiveness in angina pectoris of dosages exceeding 240 mg per day have not been established. If treatment is to be discontinued, reduce the dosage gradually over a period of one to two weeks (see WARNINGS).

Hypertension

The usual initial dose is 40 mg nadolol once daily, whether it is used alone or in addition to a diuretic. Dosage may be gradually increased in 40 to 80 mg increments at 3 to 7 day intervals until optimum blood pressure reduction is achieved. The usual maintenance dose is 40 or 80 mg once daily. Some patients may require as little as 240 or 320 mg administered once daily may be needed.

Dosage Adjustment in Renal Failure

Absorbed nadolol is excreted principally by the kidneys and, although nonrenal clearance is adequate, dosage should be reduced in moderate renal failure patients with renal impairment. The following dose intervals are recommended:

Creatinine Clearance (Approx. ml/min)	Nadolol Interval (hours)
31-50	24 to 36
10 to 30	40 to 60
Less than 10	72 to 96

HOW SUPPLIED

20 mg tablets: White to off white colored, round shaped, flat faced, beveled edge uncoated tablets, debossed with "20" on one half of the breakline and "927" on the other half of the breakline on one side and plain on other sides and are supplied as:

NDC 68382-732-34 in bottle of 90 tablets.

NDC 68382-732-01 in bottle of 100 tablets.

NDC 68382-732-10 in bottle of 1000 tablets.

NDC 68382-732-77 in cartons of 100 tablets (10 x 10 unit-dose)

40 mg tablets: Light yellow colored, round shaped, flat faced, beveled edge uncoated tablets, debossed with "R" on upper half of the breakline and "927" on lower half of the breakline on one side and plain on the other side and are supplied as:

NDC 68382-733-34 in bottle of 90 tablets.

NDC 68382-733-01 in bottle of 100 tablets.

NDC 68382-733-10 in bottle of 1000 tablets.

NDC 68382-733-77 in cartons of 100 tablets (10 x 10 unit-dose)

80 mg tablets: Yellow colored, round shaped, flat faced, beveled edge uncoated tablets, debossed with "R" on upper half of the breakline and "927" on lower half of the breakline on one side and plain on the other side and are supplied as:

NDC 68382-734-34 in bottle of 90 tablets.

NDC 68382-734-01 in bottle of 100 tablets.

NDC 68382-734-10 in bottle of 1000 tablets.

NDC 68382-734-77 in cartons of 100 tablets (10 x 10 unit-dose)

STORAGE

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

Avoid excessive heat. Protect from light. Keep bottle tightly closed.

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

This product's package insert may have been updated. For current package insert, please visit www.zydusus.com

Manufactured by
Cadila Healthcare Limited
Ahmedabad, India.

Manufactured for
Zydus Pharmaceuticals (USA) Inc.
Pennington, NJ 08534

Rev.: 08/17

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC 68382-732-34

Nadolol Tablets, 20 mg

Rx only

90 tablets

Zydus

NDC 66582-733-10
Nadolol tablets, 20 mg
Rx only
90 tablets
Z-pha

NDC 66582-734-10
Nadolol tablets, 40 mg
Rx only
90 tablets
Z-pha

NADOLOL

Nadolol Tablets

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:66582-733
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
NADOLOL (UNII: 1RZX5CYR2T) (NADOLOL - UNII:1RZX5CYR2T)	Nadolol	20 mg

Inactive Ingredients

Ingredient Name	Strength
ANHYDROUS CITRIC ACID (UNII: XF417D3PSL)	
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)	
FERRIC OXIDE YELLOW (UNII: EX43802MRT)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)	
SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2)	
STEARIC ACID (UNII: 4ELV7Z65AP)	

Product Characteristics

Color	YELLOW (LIGHT)	Score	2 pieces
Shape	ROUND (BEVELED)	Size	6mm
Flavor		Imprint Code	733
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66582-733-01	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
2	NDC:66582-733-10	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
3	NDC:66582-733-11	1 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
4	NDC:66582-733-12	30 in 1 CARTON	06/09/2017	
5	NDC:66582-733-13	10 in 1 CARTON; Type 0: Not a Combination Product	06/09/2017	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA091169	06/09/2017	

NADOLOL

Nadolol Tablets

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:66582-734
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
NADOLOL (UNII: 1RZX5CYR2T) (NADOLOL - UNII:1RZX5CYR2T)	Nadolol	40 mg

Inactive Ingredients

Ingredient Name	Strength
ANHYDROUS CITRIC ACID (UNII: XF417D3PSL)	
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)	
SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2)	
STEARIC ACID (UNII: 4ELV7Z65AP)	

Product Characteristics

Color	WHITE (OFF-WHITE)	Score	2 pieces
Shape	ROUND (BEVELED)	Size	8mm
Flavor		Imprint Code	734
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66582-734-01	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
2	NDC:66582-734-10	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
3	NDC:66582-734-11	1 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
4	NDC:66582-734-12	30 in 1 CARTON	06/09/2017	
5	NDC:66582-734-13	10 in 1 CARTON; Type 0: Not a Combination Product	06/09/2017	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA091169	06/09/2017	

NADOLOL

Nadolol Tablets

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:66582-735
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
NADOLOL (UNII: 1RZX5CYR2T) (NADOLOL - UNII:1RZX5CYR2T)	Nadolol	80 mg

Inactive Ingredients

Ingredient Name	Strength
ANHYDROUS CITRIC ACID (UNII: XF417D3PSL)	
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)	
SODIUM STARCH GLYCOLATE TYPE A POTATO (UNII: 5856J3G2A2)	
STEARIC ACID (UNII: 4ELV7Z65AP)	

Product Characteristics

Color	WHITE (OFF-WHITE)	Score	2 pieces
Shape	ROUND (BEVELED)	Size	10mm
Flavor		Imprint Code	735
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66582-735-01	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
2	NDC:66582-735-10	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
3	NDC:66582-735-11	1 in 1 BOTTLE; Type 0: Not a Combination Product	06/09/2017	
4	NDC:66582-735-12	30 in 1 CARTON	06/09/2017	
5	NDC:66582-735-13	10 in 1 CARTON; Type 0: Not a Combination Product	06/09/2017	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA091169	06/09/2017	

Labeller - Aurobindo Pharma Limited, India (650980825)

Registrant - Aurobindo Pharma Limited, India (650980825)

Establishment

Name	Address	ID/FEI	Business Operations
Aurobindo Pharma Limited, India		650980825	MANUFACTURE(66582-733, 66582-734, 66582-735), ANALYSIS(66582-733), PACK(66582-733)

Revised: 1/2022

Aurobindo Pharma USA Inc.