

**NADOLOL- nadolol tablet**  
**Amneal Pharmaceuticals NY LLC**

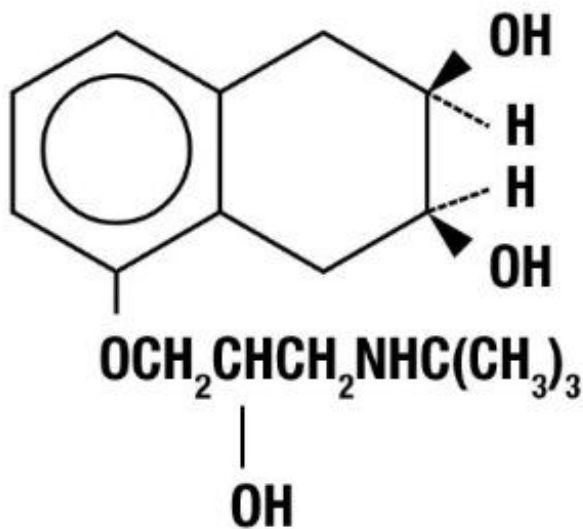
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**Nadolol Tablets, USP**

**(20 mg, 40 mg, and 80 mg)**

**Rx only**

**DESCRIPTION**

Nadolol tablets, USP are a synthetic nonselective beta-adrenergic receptor blocking agent designated chemically as 1-(*tert*-butylamino)-3-[(5, 6, 7, 8-tetrahydro-*cis*-6, 7-dihydroxy-1-naphthyl) oxy]-2-propanol. Structural formula:



**C<sub>17</sub>H<sub>27</sub>NO<sub>4</sub>**

**MW 309.40**

Nadolol, USP is a white crystalline powder. It is freely soluble in ethanol, soluble in hydrochloric acid, slightly soluble in water and in chloroform, and very slightly soluble in sodium hydroxide.

Nadolol tablets, USP are available for oral administration as 20 mg, 40 mg, and 80 mg tablets. Inactive ingredients: microcrystalline cellulose, maize starch, magnesium stearate and povidone.

**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 tachycardia.

Nadolol specifically competes with beta-adrenergic receptor agonists for available beta

receptor sites; it inhibits both the  $\beta_1$  receptors located chiefly in cardiac muscle and the  $\beta_2$  receptors located chiefly in the bronchial and vascular musculature, inhibiting the chronotropic, inotropic, and vasodilator responses to beta-adrenergic stimulation proportionately. Nadolol has no intrinsic sympathomimetic activity and, unlike some other beta-adrenergic blocking agents, nadolol has little direct myocardial depressant activity and does not have an anesthetic-like membrane-stabilizing action. Animal and human studies show that nadolol slows the sinus rate and depresses AV conduction. In dogs, only minimal amounts of nadolol were detected in the brain relative to amounts in blood and other organs and tissues. Nadolol has low lipophilicity as determined by octanol/water partition coefficient, a characteristic of certain beta-blocking agents that has been correlated with the limited extent to which these agents cross the blood-brain barrier, their low concentration 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 decrease both standing and supine 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; however, factors that may be involved include (1) competitive antagonism of catecholamines at peripheral (non-CNS) adrenergic neuron sites (especially cardiac) leading to decreased cardiac output, (2) a central effect leading to reduced tonic-sympathetic nerve outflow to the periphery, and (3) suppression of renin secretion by blockade of the beta-adrenergic receptors responsible for renin release from the kidneys.

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 effort, making it useful for many patients in the long-term management of angina pectoris. On the other hand, nadolol can increase oxygen requirements by increasing left ventricular fiber length and end diastolic pressure, particularly in patients with heart failure.

Although beta-adrenergic receptor blockade is useful in treatment of angina and hypertension, there are also situations in which sympathetic stimulation is vital. For example, in patients with severely damaged hearts, adequate ventricular function may depend on sympathetic drive. Beta-adrenergic blockade may worsen AV block by preventing the necessary facilitating effects of sympathetic activity on conduction. Beta<sub>2</sub>-adrenergic blockade results in passive bronchial constriction by interfering with endogenous adrenergic bronchodilator activity in patients subject to bronchospasm and 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 and the presence of food in the gastrointestinal tract does not affect the rate or extent of nadolol absorption. Approximately 30 percent of the nadolol present in serum is reversibly bound to plasma protein.

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 dosage. Because nadolol is excreted predominantly in the urine, its half-life increases in renal failure (see **PRECAUTIONS** and **DOSAGE AND ADMINISTRATION**). Steady-state serum concentrations of nadolol are attained in six to nine days with once-daily dosage in persons with normal renal function. Because of variable absorption and different individual responsiveness, the proper dosage must be determined by titration.

Exacerbation of angina and, in some cases, myocardial infarction and ventricular dysrhythmias have been reported after abrupt discontinuation of therapy with beta-adrenergic blocking agents in patients with coronary artery disease. Abrupt withdrawal of these agents in patients without coronary artery disease has resulted in transient symptoms, including tremulousness, sweating, palpitation, headache, and malaise. Several mechanisms have been proposed to explain these phenomena, among them increased sensitivity to catecholamines because of increased numbers of beta receptors.

## **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 strokes 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 tablets.

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 increase per mmHg is greater at higher blood pressures, so that even 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 hyperlipidemia), and such patients would be expected to benefit from more aggressive 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, heart failure, or diabetic kidney disease). These considerations may guide selection of therapy.

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

## **CONTRAINDICATIONS**

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

## **WARNINGS**

### **Cardiac Failure**

Sympathetic stimulation may be a vital component supporting circulatory function in patients with 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, if necessary, 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.

IN PATIENTS WITHOUT A HISTORY OF HEART FAILURE, continued use of beta-blockers can, in some cases, lead to cardiac failure. Therefore, at the first sign or symptom 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**

Hypersensitivity to catecholamines has been observed in patients withdrawn from beta-blocker therapy; exacerbation of angina and, in some cases, myocardial infarction have occurred after *abrupt* discontinuation of such therapy. When discontinuing chronically administered nadolol, particularly in patients with ischemic heart disease, the dosage should be gradually reduced over a period of one to two weeks and the patient should be carefully monitored. If angina markedly worsens or acute coronary insufficiency develops, nadolol administration should be reinstituted promptly, at least temporarily, and other measures appropriate for the management of unstable angina should be taken. 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 it may block bronchodilation produced by endogenous or exogenous catecholamine stimulation of beta<sub>2</sub> receptors.

## **Major Surgery**

Chronically administered 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 blockers may prevent early warning signs of hypoglycemia, such as tachycardia, and increase the risk for severe or prolonged hypoglycemia at any time during treatment, especially in patients with diabetes mellitus or children and patients who are fasting (i.e., surgery, not eating regularly, or are vomiting). If severe hypoglycemia occurs, patients should be instructed to seek emergency treatment.

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**

### **Interruption or Discontinuation of Therapy**

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. The patient should also be advised of a proper course in the event of an inadvertently missed dose.

### **Hypoglycemia**

Inform patients or caregivers that there is a risk of hypoglycemia when nadolol is given to patients who are fasting or who are vomiting. Monitor for symptoms of hypoglycemia.

## DRUG INTERACTIONS

When administered concurrently, the following drugs may interact with beta-adrenergic receptor blocking agents:

*Anesthetics, general*—exaggeration of the hypotension induced by general anesthetics (see **WARNINGS, Major Surgery**).

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

*Catecholamine-depleting drugs (e.g., reserpine)*—additive effect; monitor closely for evidence of hypotension and/or excessive bradycardia (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 with a history of severe anaphylactic reaction to a variety of allergens may be more reactive to repeated challenge, either accidental, diagnostic, or therapeutic. Such patients may be unresponsive to the usual doses of epinephrine used to treat allergic reaction.

## CARCINOGENESIS, MUTAGENESIS, IMPAIRMENT OF FERTILITY

In chronic oral toxicologic studies (one to two years) in mice, rats, and dogs, nadolol did not produce any significant toxic effects. In two-year oral carcinogenic studies in rats and mice, nadolol did not produce any neoplastic, preneoplastic, or non-neoplastic pathologic lesions. In fertility and general reproductive performance studies in rats, nadolol caused no adverse effects.

## PREGNANCY

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 of these 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. Neonates whose mothers are receiving nadolol at parturition have exhibited 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 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 heart rates below 40 beats per minute and/or symptomatic bradycardia were seen in about 2 of 100 patients. Symptoms of peripheral vascular insufficiency, usually of the Raynaud type, have occurred in approximately 2 of 100 patients. Cardiac failure, hypotension, and rhythm/conduction disturbances have each occurred in about 1 of 100 patients. Single instances of first degree and third degree heart block have been reported; intensification of AV 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, sedation, and change in behavior have each been reported in approximately 6 of 1,000 patients.

### **Respiratory**

Bronchospasm has been reported in approximately 1 of 1,000 patients (see **CONTRAINDICATIONS** and **WARNINGS**).

### **Gastrointestinal**

Nausea, diarrhea, abdominal discomfort, constipation, vomiting, indigestion, anorexia, bloating, and flatulence have been reported in 1 to 5 of 1,000 patients.

### **Miscellaneous**

Each of the following has been reported in 1 to 5 of 1,000 patients: rash; pruritus; headache; dry mouth, eyes, or skin; impotence or decreased libido; facial swelling; weight gain; slurred speech; cough; nasal stuffiness; sweating; tinnitus; blurred vision. Reversible alopecia has been reported infrequently.

The following adverse reactions have been reported in 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**

Pemphigoid rash; hypertensive reaction in patients with pheochromocytoma; sleep disturbances; Peyronie's disease. The oculomucocutaneous syndrome associated with the beta-blocker practolol has not been reported with nadolol.

**To report SUSPECTED ADVERSE REACTIONS, contact Amneal Pharmaceuticals at 1-877-835-5472 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

**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, note must be taken of the long duration of the effect 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., epinephrine or levarterenol. (There is evidence that epinephrine may be the drug of choice.)

**Bronchospasm**

Administer a beta<sub>2</sub>-stimulating agent and/or a theophylline derivative.

**DOSAGE AND ADMINISTRATION**

DOSAGE MUST BE INDIVIDUALIZED. NADOLOL TABLETS MAY BE ADMINISTERED WITHOUT REGARD TO MEALS.

**Angina Pectoris**

The usual initial dose is 40 mg nadolol tablets 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 or there is pronounced slowing of the heart rate. The usual maintenance dose is 40 or 80 mg administered once daily. Doses up to 160 or 240 mg administered once daily may be needed. The usefulness and safety in angina pectoris of dosage 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 tablets once daily, whether it is used alone or in addition to diuretic therapy. Dosage may be gradually increased in 40 to 80 mg increments until optimum blood pressure reduction is achieved. The usual maintenance dose is 40 or 80 mg administered once daily. Doses up to 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 elimination does occur, dosage adjustments are necessary in patients with renal impairment. The following dose intervals are recommended:

<b>Creatinine Clearance (mL/min/1.73m<sup>2</sup>)</b>	<b>Dosage Interval (hours)</b>
>50	24
31 to 50	24 to 36
10 to 30	24 to 48
<10	40 to 60

### HOW SUPPLIED

Nadolol Tablets, USP **20 mg** are supplied as white to off-white, round tablets debossed with “AA” & “76” separated by a score mark on one side and plain on the other side.

They are available as follows:

Bottles of 30: NDC 69238-1123-3  
Bottles of 90: NDC 69238-1123-9  
Bottles of 1,000: NDC 69238-1123-1

Nadolol Tablets, USP **40 mg** are supplied as white to off-white, round tablets debossed with “AA” & “79” separated by a score mark on one side and plain on the other side.

They are available as follows:

Bottles of 30: NDC 69238-1124-3  
Bottles of 90: NDC 69238-1124-9  
Bottles of 1,000: NDC 69238-1124-1

Nadolol Tablets, USP **80 mg** are supplied as white to off-white, round tablets debossed with “AA” & “99” separated by a score mark on one side and plain on the other side.

They are available as follows:

Bottles of 30: NDC 69238-1125-3  
Bottles of 90: NDC 69238-1125-9  
Bottles of 1,000: NDC 69238-1125-1

### 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.

Manufactured by:

**Amneal Pharmaceuticals Pvt. Ltd.**

**Oral Solid Dosage Unit**

Ahmedabad 382213, INDIA

Distributed by:

**Amneal Pharmaceuticals LLC**

Bridgewater, NJ 08807

Rev. 08-2024-03

## PRINCIPAL DISPLAY PANEL

**NDC 69238-1123-3**

**Nadolol Tablets USP, 20 mg**

**Rx only**

**30 Tablets**

**Amneal Pharmaceuticals**

<p>NDC 69238-1123-3</p> <p><b>Nadolol Tablets, USP</b></p> <p><b>20 mg</b></p> <p></p>	<p>Each tablet contains 20 mg nadolol, USP. <b>USUAL DOSAGE:</b> See package insert. <b>Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Avoid excessive heat. Keep bottle tightly closed. Protect from light.</b> Mfg. Lic. No. G/25/2137 Manufactured by: <b>Amneal Pharmaceuticals Pvt. Ltd.</b> <b>Oral Solid Dosage Unit</b> Ahmedabad 382213, INDIA Distributed by: <b>Amneal Pharmaceuticals LLC</b> Bridgewater, NJ 08807 Rev. 08-2017-01</p>	 <p>69238 11233 7</p>	<p>Non-Varnish Area (For Lot And Exp. Date) (24 X 28 mm)</p>
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**NDC 69238-1124-3**

**Nadolol Tablets USP, 40 mg**

**Rx only**

**30 Tablets**

**Amneal Pharmaceuticals**

NDC 69238-1124-3

# Nadolol Tablets, USP

40 mg





Rx only  
30 Tablets

Each tablet contains 40 mg nadolol, USP.  
**USUAL DOSAGE:** See package insert.  
**Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Avoid excessive heat. Keep bottle tightly closed. Protect from light.**  
Mfg. Lic. No. G/25/2137  
Manufactured by: **Amneal Pharmaceuticals Pvt. Ltd.**  
**Oral Solid Dosage Unit**  
Ahmedabad 382213, INDIA  
Distributed by: **Amneal Pharmaceuticals LLC**  
Bridgewater, NJ 08807  
Rev. 08-2017-01



3 69238 11243 6

Non-Varnish Area  
(For Lot And Exp. Date)  
(24 X 28 mm)

**NDC 69238-1125-3**  
**Nadolol Tablets USP, 80 mg**  
**Rx only**  
**30 Tablets**  
**Amneal Pharmaceuticals**

NDC 69238-1125-3

# Nadolol Tablets, USP

80 mg





Rx only  
30 Tablets

Each tablet contains 80 mg nadolol, USP.  
**USUAL DOSAGE:** See package insert.  
**Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Avoid excessive heat. Keep bottle tightly closed. Protect from light.**  
Mfg. Lic. No. G/25/2137  
Manufactured by: **Amneal Pharmaceuticals Pvt. Ltd.**  
**Oral Solid Dosage Unit**  
Ahmedabad 382213, INDIA  
Distributed by: **Amneal Pharmaceuticals LLC**  
Bridgewater, NJ 08807  
Rev. 08-2017-01



3 69238 11253 5

Non-Varnish Area  
(For Lot And Exp. Date)  
(24 X 28 mm)

## NADOLOL

nadolol tablet

### Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:69238-1123
Route of Administration	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
NADOLOL (UNII: FEN504330V) (NADOLOL - UNII:FEN504330V)	NADOLOL	20 mg

### Inactive Ingredients

Ingredient Name	Strength
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	

<b>POVIDONE</b> (UNII: FZ989GH94E)				
<b>STARCH, CORN</b> (UNII: O8232NY3SJ)				
<b>Product Characteristics</b>				
<b>Color</b>	white (Off-white)	<b>Score</b>	2 pieces	
<b>Shape</b>	ROUND	<b>Size</b>	7mm	
<b>Flavor</b>		<b>Imprint Code</b>	AA;76	
<b>Contains</b>				
<b>Packaging</b>				
<b>#</b>	<b>Item Code</b>	<b>Package Description</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
<b>1</b>	NDC:69238-1123-3	30 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
<b>2</b>	NDC:69238-1123-9	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
<b>3</b>	NDC:69238-1123-1	1000 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
<b>Marketing Information</b>				
<b>Marketing Category</b>		<b>Application Number or Monograph Citation</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
ANDA		ANDA208832	06/02/2017	

<b>NADOLOL</b>			
nadolol tablet			
<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:69238-1124
<b>Route of Administration</b>	ORAL		
<b>Active Ingredient/Active Moiety</b>			
<b>Ingredient Name</b>		<b>Basis of Strength</b>	<b>Strength</b>
<b>NADOLOL</b> (UNII: FEN504330V) (NADOLOL - UNII:FEN504330V)		NADOLOL	40 mg
<b>Inactive Ingredients</b>			
<b>Ingredient Name</b>			<b>Strength</b>
<b>CELLULOSE, MICROCRYSTALLINE</b> (UNII: OP1R32D61U)			
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)			
<b>POVIDONE</b> (UNII: FZ989GH94E)			
<b>STARCH, CORN</b> (UNII: O8232NY3SJ)			

## Product Characteristics

<b>Color</b>	white (Off-white)	<b>Score</b>	2 pieces
<b>Shape</b>	ROUND	<b>Size</b>	9mm
<b>Flavor</b>		<b>Imprint Code</b>	AA;79
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:69238-1124-3	30 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
2	NDC:69238-1124-9	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
3	NDC:69238-1124-1	1000 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA208832	06/02/2017	

## NADOLOL

nadolol tablet

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:69238-1125
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>NADOLOL</b> (UNII: FEN504330V) (NADOLOL - UNII:FEN504330V)	NADOLOL	80 mg

### Inactive Ingredients

Ingredient Name	Strength
<b>CELLULOSE, MICROCRYSTALLINE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I3O)	
<b>POVIDONE</b> (UNII: FZ989GH94E)	
<b>STARCH, CORN</b> (UNII: O8232NY3SJ)	

## Product Characteristics

<b>Color</b>	white (Off-white)	<b>Score</b>	2 pieces
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Shape	ROUND	Size	11mm	
Flavor		Imprint Code	AA;99	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:69238-1125-3	30 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
2	NDC:69238-1125-9	90 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
3	NDC:69238-1125-1	1000 in 1 BOTTLE; Type 0: Not a Combination Product	06/02/2017	
Marketing Information				
Marketing Category		Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA		ANDA208832	06/02/2017	

**Labeler** - Amneal Pharmaceuticals NY LLC (123797875)

<b>Establishment</b>			
<b>Name</b>	<b>Address</b>	<b>ID/FEI</b>	<b>Business Operations</b>
Amneal Pharmaceuticals Private Limited		650762060	analysis(69238-1123, 69238-1124, 69238-1125) , label(69238-1123, 69238-1124, 69238-1125) , manufacture(69238-1123, 69238-1124, 69238-1125) , pack(69238-1123, 69238-1124, 69238-1125)