



# White

**Note** - Included in the following list are a few adverse reactions that have not been reported with this specific drug. However, the pharmacologic





B

380 mm

similarities among the tricyclic antidepressant drugs require that each of the reactions be considered when nortriptyline is administered.

**Cardiovascular** - Hypotension, hypertension, tachycardia, palpitation, myocardial infarction, arrhythmias, heart block, stroke.

**Psychiatric** - Confusional states (especially in the elderly), with hallucinations, disorientation, delusions; anxiety, restlessness, agitation; insomnia, panic, nightmares; hypomania; exacerbation of psychosis.

**Neurologic** - Numbness, tingling, paresthesias of extremities; incoordination, ataxia, tremors; peripheral neuropathy; extrapyramidal symptoms; seizures, alteration in EEG patterns; tinnitus.

**Anticholinergic** - Dry mouth and, rarely, associated sublingual adenitis, blurred vision, disturbance of accommodation, mydriasis; constipation, paralytic ileus; urinary retention, delayed micturition, dilation of the urinary tract.

**Allergic** - Skin rash, petechiae, urticaria, itching, photosensitization (avoid excessive exposure to sunlight); edema (general or of face and tongue), drug fever, cross-sensitivity with other tricyclic drugs.

**Hematologic** - Bone-marrow depression, including agranulocytosis; eosinophilia; purpura; thrombocytopenia.

**Gastrointestinal** - Nausea and vomiting, anorexia, epigastric distress, diarrhea, peculiar taste, stomatitis, abdominal cramps, blacktongue.

**Endocrine** - Gynecomastia in the male, breast enlargement and galactorrhea in the female; increased or decreased libido, impotence; testicular swelling; elevation or depression of blood sugar levels; syndrome of inappropriate ADH (antidiuretic hormone) secretion.

**Other** - Jaundice (simulating obstructive), altered liver function; weight gain or loss; perspiration; flushing; urinary frequency, nocturia; drowsiness, dizziness, weakness, fatigue; headache; parotid swelling; alopecia.

**Withdrawal Symptoms** - Though these are not indicative of addiction, abrupt cessation of treatment after prolonged therapy may produce nausea, headache, and malaise.

**Postmarketing Experience**

The following adverse drug reaction has been reported during post-approval use of nortriptyline hydrochloride. Because this reaction is reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate frequency.

**Cardiac Disorders** - Brugada syndrome

**Eye Disorders** - angle-closure glaucoma

**OVERDOSAGE**

Deaths may occur from overdose with this class of drugs. Multiple drug ingestion (including alcohol) is common in deliberate tricyclic antidepressant overdose. As the management is complex and changing, it is recommended that the physician contact a poison control center for current information on treatment. Signs and symptoms of toxicity develop rapidly after tricyclic antidepressant overdose, therefore, hospital monitoring is required as soon as possible.

**Manifestations**

Critical manifestations of overdose include: cardiac dysrhythmias, severe hypotension, shock, congestive heart failure, pulmonary edema, convulsions, and CNS depression, including coma. Changes in the electrocardiogram, particularly in QRS axis or width, are clinically significant indicators of tricyclic antidepressant toxicity. Other signs of overdose may include: confusion, restlessness, disturbed concentration, transient visual hallucinations, dilated pupils, agitation, hyperactive reflexes, stupor, drowsiness, muscle rigidity, vomiting, hypothermia, hyperpyrexia, or any of the acute symptoms listed under **ADVERSE REACTIONS**. There have been reports of patients recovering from nortriptyline overdoses of up to 525 mg.

**Management**

**General** - Obtain an ECG and immediately initiate cardiac monitoring. Protect the patient's airway, establish an intravenous line and initiate gastric decontamination. A minimum of six hours of observation with cardiac monitoring and observation for signs of CNS or respiratory depression, hypotension, cardiac dysrhythmias and/or conduction blocks, and seizures is necessary. If signs of toxicity occur at any time during this period, extended monitoring is required. There are case reports of patients succumbing to fatal dysrhythmias late after overdose; these patients had clinical evidence of significant poisoning prior to death and most received inadequate gastrointestinal decontamination. Monitoring of plasma drug levels should not guide management of the patient.

**Gastrointestinal Decontamination** - All patients suspected of tricyclic antidepressant overdose should receive gastrointestinal decontamination. This should include large volume gastric lavage followed by activated charcoal. If consciousness is impaired, the airway should be secured prior to lavage. EMESIS IS CONTRAINDICATED.

**Cardiovascular** - A maximal limb-lead QRS duration of ≥0.10 seconds may be the best indication of the severity of the overdose. Intravenous sodium bicarbonate should be used to maintain the serum pH in the range of 7.45 to 7.55. If the pH response is inadequate, hyperventilation may also be used. Concomitant use of hyperventilation and sodium bicarbonate should be done with extreme caution, with frequent pH monitoring. A pH >7.60 or a pCO<sub>2</sub> <20 mmHg is undesirable. Dysrhythmias unresponsive to sodium bicarbonate therapy/ hyperventilation may respond to lidocaine, bretylium or phenytoin. Type 1A and 1C antiarrhythmics are generally contraindicated (e.g., quinidine, disopyramide, and procainamide). In rare instances, hemoperfusion may be beneficial in acute refractory cardiovascular instability in patients with acute toxicity. However, hemodialysis, peritoneal dialysis, exchange transfusions, and forced diuresis generally have been reported as ineffective in tricyclic antidepressant poisoning.

**CNS** - In patients with CNS depression, early intubation is advised because of the potential for abrupt deterioration. Seizures should be controlled with benzodiazepines, or if these are ineffective, other anticonvulsants (e.g., phenobarbital, phenytoin). Physostigmine is not recommended except to treat life-threatening symptoms that have been unresponsive to other therapies, and then only in consultation with a poison control center.

**Psychiatric Follow-up** - Since overdose is often deliberate, patients may attempt suicide by other means during the recovery phase.

Psychiatric referral may be appropriate.

**Pediatric Management** - The principles of management of child and adult overdoses are similar. It is strongly recommended that the physician contact the local poison control center for specific pediatric treatment.

**DOSAGE AND ADMINISTRATION**

Nortriptyline hydrochloride is not recommended for children. Nortriptyline hydrochloride is administered orally in the form of capsules. Lower than usual dosages are recommended for elderly patients and adolescents. Lower dosages are also recommended for outpatients than for hospitalized patients who will be under close supervision. The physician should initiate dosage at a low level and increase it gradually, noting carefully the clinical response and any evidence of intolerance. Following remission, maintenance medication may be required for a longer period of time at the lowest dose that will maintain remission. If a patient develops minor side effects, the dosage should be reduced. The drug should be discontinued promptly if adverse effects of a serious nature or allergic manifestations occur.

**Usual Adult Dose** - 25 mg three or four times daily; dosage should begin at a low level and be increased as required. As an alternate regimen, the total daily dosage may be given once a day. When doses above 100 mg daily are administered, plasma levels of nortriptyline should be monitored and maintained in the optimum range of 50 to 150 ng/mL. Doses above 150 mg/day are not recommended.

**Elderly and Adolescent Patients** - 30 to 50 mg/day, in divided doses, or the total daily dosage may be given once a day.

**Switching a Patient To or From a Monoamine Oxidase Inhibitor (MAOI) Intended to Treat Psychiatric Disorders**

At least 14 days should elapse between discontinuation of an MAOI intended to treat psychiatric disorders and initiation of therapy with nortriptyline hydrochloride. Conversely, at least 14 days should be allowed after stopping nortriptyline hydrochloride before starting an MAOI intended to treat psychiatric disorders (see **CONTRAINDICATIONS**).

**Use of Nortriptyline Hydrochloride With Other MAOIs, Such as Linezolid or Methylene Blue**

Do not start nortriptyline hydrochloride in a patient who is being treated with linezolid or intravenous methylene blue because there is increased risk of serotonin syndrome. In a patient who requires more urgent treatment of a psychiatric condition, other interventions, including hospitalization, should be considered (see **CONTRAINDICATIONS**). In some cases, a patient already receiving nortriptyline hydrochloride therapy may require urgent treatment with linezolid or intravenous methylene blue. If acceptable alternatives to linezolid or intravenous methylene blue treatment are not available and the potential benefits of linezolid or intravenous methylene blue treatment are judged to outweigh the risks of serotonin syndrome in a particular patient, nortriptyline hydrochloride should be stopped promptly, and linezolid or intravenous methylene blue can be administered. The patient should be monitored for symptoms of serotonin syndrome for two weeks or until 24 hours after the last dose of linezolid or intravenous methylene blue, whichever comes first. Therapy with nortriptyline hydrochloride may be resumed 24 hours after the last dose of linezolid or intravenous methylene blue (see **WARNINGS**).

The risk of administering methylene blue by non-intravenous routes (such as oral tablets or by local injection) or in intravenous doses much lower than 1 mg/kg with nortriptyline hydrochloride is unclear. The clinician should, nevertheless, be aware of the possibility of emergent symptoms of serotonin syndrome with such use (see **WARNINGS**).

**HOW SUPPLIED**

**Nortriptyline Hydrochloride Capsules USP**, equivalent to 10 mg, 25 mg, 50 mg, and 75 mg base, are as follows:

10 mg: Opaque light green cap and body, imprinted "TARO" on the cap and "NTP10" on the body.

Bottles of 30.....NDC 51672-4001-6

Bottles of 90 .....NDC 51672-4001-5

Bottles of 100 .....NDC 51672-4001-1

Bottles of 500 .....NDC 51672-4001-2

25 mg: Opaque ivory cap and body, imprinted "TARO" on the cap and "NTP25" on the body.

Bottles of 30.....NDC 51672-4002-6

Bottles of 60.....NDC 51672-4002-4

Bottles of 90 .....NDC 51672-4002-5

Bottles of 100 .....NDC 51672-4002-1

Bottles of 500.....NDC 51672-4002-2

50 mg: Opaque dark green cap with an opaque white body, imprinted "TARO" on the cap and "NTP50" on the body.

Bottles of 30.....NDC 51672-4003-6

Bottles of 90.....NDC 51672-4003-5

Bottles of 100 .....NDC 51672-4003-1

Bottles of 500.....NDC 51672-4003-2

75 mg: Opaque dark green cap and body, imprinted "TARO" on the cap and "NTP75" on the body.

Bottles of 30.....NDC 51672-4004-6

Bottles of 90.....NDC 51672-4004-5

Bottles of 100 .....NDC 51672-4004-1

Bottles of 500.....NDC 51672-4004-2

**Store and Dispense**

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

Dispense in tight container (USP) with a child-resistant closure.

Mfd. by: Taro Pharmaceutical Industries Ltd., Haifa Bay, Israel 2624761

Dist. by: **Taro Pharmaceuticals U.S.A., Inc.**, Hawthorne, NY 10532

Dispense with Medication Guide available at: <https://www.taro.com/usa-medication-guides>

Revised: April 2020 70997-0420-9

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### Medication Guide

**Nortriptyline Hydrochloride** (nor trip' ti leen hye' droe klor' ide) **Capsules, USP**

**Antidepressant Medicines, Depression and other Serious Mental Illnesses, and Suicidal Thoughts or Actions**

Read the Medication Guide that comes with you or your family member's antidepressant medicine.

**Talk to your, or your family member's, healthcare provider about:**

- all risks and benefits of treatment with antidepressant medicines
- all treatment choices for depression or other serious mental illness

**What is the most important information I should know about antidepressant medicines, depression and other serious mental illnesses, and suicidal thoughts or actions?**

**1. Antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, and young adults within the first few months of treatment.**

**2. Depression and other serious mental illnesses are the most important causes of suicidal thoughts and actions. Some people may have a particularly high risk of having suicidal thoughts or actions.** These include people who have (or have a family history of) bipolar illness (also called manic-depressive illness) or suicidal thoughts or actions.

**3. How can I watch for and try to prevent suicidal thoughts and actions in myself or a family member?**

- Pay close attention to any changes, especially sudden changes, in mood, behaviors, thoughts, or feelings. This is very important when an antidepressant medicine is started or when the dose is changed.
- Call the healthcare provider right away to report new or sudden changes in mood, behavior, thoughts, or feelings.
- Keep all follow-up visits with the healthcare provider as scheduled. Call the healthcare provider between visits as needed, especially if you have concerns about symptoms.

**Call a healthcare provider right away if you or your family member has any of the following symptoms, especially if they are new, worse, or worry you:**

- thoughts about suicide or dying
- attempts to commit suicide
- new or worse depression
- new or worse anxiety
- feeling very agitated or restless
- panic attacks
- trouble sleeping (insomnia)
- new or worse irritability
- acting aggressive, being angry, or violent
- acting on dangerous impulses
- an extreme increase in activity and talking (mania)
- other unusual changes in behavior or mood

**Heart problem (Brugada Syndrome)**

- If you have unexplained fainting or have a family history of sudden unexplained death before 45 years of age, you may have Brugada Syndrome and not know it.
- Talk to your healthcare provider right away if you faint or feel abnormal heartbeats.

**Visual problems**

- eye pain
- changes in vision
- swelling or redness in or around the eye

Only some people are at risk for these problems. You may want to undergo an eye examination to see if you are at risk and receive preventative treatment if you are.

**Who should not take Nortriptyline hydrochloride?**

Do not take nortriptyline hydrochloride if you:

- take a monoamine oxidase inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if you take an MAOI, including the antibiotic linezolid.
  - o Do not take an MAOI within 2 weeks of stopping nortriptyline hydrochloride unless directed to do so by your physician.
  - o Do not start nortriptyline hydrochloride if you stopped taking an MAOI in the last 2 weeks unless directed to do so by your physician.

**What else do I need to know about antidepressant medicines?**

- **Never stop an antidepressant medicine without first talking to a healthcare provider.** Stopping an antidepressant medicine suddenly can cause other symptoms.
- **Antidepressants are medicines used to treat depression and other illnesses.** It is important to discuss all the risks of treating depression and also the risks of not treating it. Patients and their families or other caregivers should discuss all treatment choices with the healthcare provider, not just the use of antidepressants.
- **Antidepressant medicines have other side effects.** Talk to the healthcare provider about the side effects of the medicine prescribed for you or your family member.
- **Antidepressant medicines can interact with other medicines.** Know all of the medicines that you or your family member takes. Keep a list of all medicines to show the healthcare provider. Do not start new medicines without first checking with your healthcare provider.
- **Not all antidepressant medicines prescribed for children are FDA approved for use in children.** Talk to your child's healthcare provider for more information.

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

This Medication Guide has been approved by the U.S. Food and Drug Administration.

Mfd. by: Taro Pharmaceutical Industries Ltd.  
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Dist. by: **Taro Pharmaceuticals U.S.A., Inc.**  
Hawthorne, NY 10532  
Revised: April 2020 70997-0420-9

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