



[Home](#)

2. Amphetamine/dextroamphetamine

Amphetamine and dextroamphetamine

Generic name: amphetamine and dextroamphetamine [*am-FET-a-meen-and-DEX-troe-am-FET-a-meen*]

Brand names: [Adderall](#), [Adderall XR](#), [Mydayis](#), Dextroamphetamine-Amphetamine ER (Eqv-Mydayis), Dextroamphetamine-Amphetamine ER (Eqv-Adderall XR)

Dosage forms: oral capsule, extended release (10 mg; 12.5 mg; 15 mg; 20 mg; 25 mg; 30 mg; 37.5 mg; 5 mg; 50 mg), ... [show all 2 dosage forms](#)

Drug class: [CNS stimulants](#)



[Medically reviewed](#) by Drugs.com on Sep 13, 2024. Written by [Cerner Multum](#).

[Uses](#) [Side effects](#) [Warnings](#) [Before taking](#) [Dosage](#) [Interactions](#) [FAQ](#)

What is amphetamine and dextroamphetamine?

[Amphetamine](#) and [dextroamphetamine](#) are central nervous system stimulants that affect chemicals in the brain and nerves that contribute to hyperactivity and impulse control.

Amphetamine and dextroamphetamine is a combination medicine used to treat narcolepsy and attention deficit hyperactivity disorder (ADHD).

Amphetamine and dextroamphetamine may also be used for purposes not listed in this medication guide.

Amphetamine and dextroamphetamine side effects

Get emergency medical help if you have **signs of an allergic reaction**: hives; difficult breathing; swelling of your face, lips, tongue, or throat.

Amphetamine and dextroamphetamine may cause serious side effects. Call your doctor at once if you have:

- **signs of heart problems**--chest pain, trouble breathing, feeling like you might pass out;
- **signs of psychosis**--hallucinations (seeing or hearing things that are not real), new behavior problems, aggression, hostility, paranoia;
- **signs of circulation problems**--numbness, pain, cold feeling, unexplained wounds, or skin color changes (pale, red, or blue appearance) in your fingers or toes;
- a seizure (convulsions);
- muscle twitches (tics); or
- changes in your vision.

Seek medical attention right away if you have symptoms of serotonin syndrome, such as: agitation, hallucinations,

fever, sweating, shivering, [fast heart rate](#), muscle stiffness, twitching, loss of coordination, nausea, vomiting, or diarrhea.

Long-term use of stimulant medicine can affect growth in children. Tell your doctor if your child is not growing at a normal rate while using amphetamine and dextroamphetamine.

Common side effects of amphetamine and dextroamphetamine may include:

- stomach pain, nausea, loss of appetite;
- [weight loss](#);
- mood changes, feeling nervous or irritable;
- fast heart rate;
- headache, dizziness;
- sleep problems (insomnia); or
- dry mouth.

This is not a complete list of side effects and others may occur. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

 [Amphetamine / dextroamphetamine side effects](#) (more detail)

Related/similar drugs

Adderall

Adderall (amphetamine and dextroamphetamine) is used to treat narcolepsy and ADHD. Includes side ...

Reviews & ratings

7.2 / 10

[505 Reviews](#)

[View more](#)

Vyvanse

Vyvanse is a prescription stimulant used to treat ADHD in children and adults, and binge eating ...

Reviews & ratings

7.4 / 10

[973 Reviews](#)

[View more](#)

FEATURED

Xywav

Xywav is used for the treatment of cataplexy and excessive daytime sleepiness (EDS) in patients ...

Reviews & ratings

8.1 / 10

[16 Reviews](#)

[View more](#)

Strattera

Strattera (atomoxetine) is used to treat attention deficit hyperactivity disorder. Learn about side ...

Reviews & ratings

5.4 / 10

[541 Reviews](#)

[View more](#)

Concerta

Concerta is used to treat attention deficit disorder (ADD) and attention deficit hyperactivity ...

Reviews & ratings

6.9 / 10

[424 Reviews](#)

[View more](#)

Ritalin

Ritalin (methylphenidate) is used to treat attention deficit disorder (ADD) and narcolepsy ...

Reviews & ratings

7.0 / 10

[221 Reviews](#)

[View more](#)

Focalin

Focalin (dexamethylphenidate) is used to treat attention deficit hyperactivity

disorder (ADHD) ...

Reviews & ratings

5.6 / 10

[139 Reviews](#)

[View more](#)

Provigil

Provigil promotes wakefulness and is used to treat excessive daytime sleepiness caused by ...

Reviews & ratings

7.4 / 10

[169 Reviews](#)

[View more](#)

Armodafinil

Armodafinil may be used to improve wakefulness in adults who are very sleepy due to narcolepsy ...

Reviews & ratings

7.3 / 10

[435 Reviews](#)

[View more](#)

Warnings

This medicine is a drug of abuse. **Tell your doctor if you have had problems with drug or alcohol abuse.**

Stimulants have caused stroke, heart attack, and sudden death in people with high blood pressure, heart disease, or a heart defect.

Do not use this medicine if you have used an MAO inhibitor in the past 14 days, such as [isocarboxazid](#), linezolid, [methylene blue](#) injection, phenelzine, rasagiline, selegiline, or [tranylcypromine](#).

Amphetamine and dextroamphetamine may cause new or worsening psychosis (unusual thoughts or behavior), especially if you have a history of depression, mental illness, or [bipolar disorder](#).

You may have blood circulation problems that can cause numbness, pain, or discoloration in your fingers or toes.

Call your doctor right away if you have: **signs of heart problems**--chest pain, feeling light-headed or short of breath; **signs of psychosis**--paranoia, aggression, new behavior problems, seeing or hearing things that are not real; **signs of circulation problems**--unexplained wounds on your fingers or toes.

You may not be able to use this medicine if you have glaucoma, overactive thyroid, severe agitation, moderate to severe [high blood pressure](#), [heart disease](#) or [coronary artery disease](#), or a history of drug or alcohol addiction.

Before taking this medicine

Do not use amphetamine and dextroamphetamine if you have taken an MAO inhibitor in the past 14 days. A dangerous [drug interaction](#) could occur. MAO inhibitors include isocarboxazid, linezolid, methylene blue injection, phenelzine, rasagiline, selegiline, tranylcypromine, and others.

You may not be able to use amphetamine and dextroamphetamine if you have:

- an allergy to any stimulant medicine;
- high blood pressure, heart disease, coronary artery disease (hardened arteries);
- overactive thyroid;
- glaucoma;
- severe anxiety, tension, or agitation (stimulant medicine can make these symptoms worse); or
- a history of drug or alcohol addiction.

Be sure your doctor knows if you also take stimulant medicine, opioid medicine, [herbal products](#), or medicine for depression, mental illness, [Parkinson's disease](#), migraine headaches, serious infections, or prevention of nausea and vomiting. **These medicines may interact with amphetamine and dextroamphetamine and cause a serious condition called serotonin syndrome.**

Stimulants have caused stroke, heart attack, and sudden death in certain people. Tell your doctor if you have:

- heart problems or a congenital heart defect;
- high blood pressure; or
- a family history of heart disease or sudden death.

To make sure this medicine is safe for you, **tell your doctor if you or anyone in your family has ever had:**

- depression, mental illness, bipolar disorder, psychosis, or suicidal thoughts or actions;
- motor tics (muscle twitches) or [Tourette's syndrome](#);
- seizures or epilepsy;
- an abnormal brain wave test (EEG);
- kidney disease; or
- blood circulation problems in the hands or feet.

Taking this medicine during pregnancy can cause premature birth, low birth weight, or withdrawal symptoms in the newborn baby. Tell your doctor if you are pregnant or plan to become pregnant.

You should not breast-feed while you are using this medicine.

Do not give this medicine to a child without medical advice. Not every brand of amphetamine and dextroamphetamine is

for use in the same age group of children.

How should I take amphetamine and dextroamphetamine?

Follow all directions on your prescription label and read all medication guides or instruction sheets. Your doctor may occasionally change your dose. Use the medicine exactly as directed.

Amphetamine and dextroamphetamine may be habit-forming. **Misuse can cause addiction, overdose, or death.** Keep the medication in a place where others cannot get to it. Selling or giving away this medicine is against the law.

You may take this medicine with or without food, first thing in the morning.

Swallow the **extended-release capsule** whole and do not crush, chew, break, or open it.

If you cannot swallow a capsule whole, open it and sprinkle the medicine into a spoonful of applesauce. Swallow the mixture right away without chewing. Do not save it for later use.

Amphetamine and dextroamphetamine doses are based on weight (especially in children and teenagers). Your dose needs may change if you gain or lose weight.

While using this medicine, your doctor will need to check your progress at regular visits. **Tell any doctor who treats you that you are using this medicine.**

Your dose needs may change if you switch to a different brand, strength, or form of this medicine. **Avoid medication errors by using only the form and strength your doctor prescribes.**

Store at room temperature away from moisture, heat, and light. Keep track of your medicine. You should be aware if anyone is using it improperly or without a prescription.

 [Detailed Amphetamine / dextroamphetamine dosage information](#)

What happens if I miss a dose?

Take the missed dose as soon as you remember, but not late in the day. Skip the missed dose if it is almost evening. **Do not** take extra medicine to make up the missed dose.

What happens if I overdose?

Seek emergency medical attention or call the Poison Help line at 1-800-222-1222. **An overdose of amphetamine and dextroamphetamine could be fatal.**

Overdose symptoms may include restlessness, tremor, muscle twitches, rapid breathing, confusion, hallucinations, panic, aggressiveness, [muscle pain](#) or weakness, and dark colored urine. These symptoms may be followed by depression and tiredness. Other overdose symptoms include nausea, vomiting, diarrhea, stomach pain, uneven heartbeats, feeling light-headed, fainting, seizure (convulsions), or coma.

What should I avoid while taking amphetamine and dextroamphetamine?

Do not share amphetamine and dextroamphetamine with another person, even if they have the same symptoms you have.

Avoid driving or hazardous activity until you know how this medicine will affect you. Your reactions could be impaired.

Avoid drinking fruit juices or taking vitamin C at the same time you take amphetamine and dextroamphetamine. These can make your body absorb less of the medicine.

What other drugs will affect amphetamine and dextroamphetamine?

Ask your doctor before using a stomach acid medicine (including [Alka-Seltzer](#) or [sodium bicarbonate](#)). Some of these medicines can change the way your body absorbs amphetamine and dextroamphetamine, and may increase side effects.

Tell your doctor about all your current medicines. Many drugs can affect amphetamine and dextroamphetamine, especially:

- lithium or other medicine to treat depression or mental illness;
- blood pressure medicine;
- a blood thinner such as warfarin, Coumadin, Jantoven;
- cold or allergy medicine that contains a decongestant;
- opioid (narcotic) medicine; or
- seizure medicine.

This list is not complete and many other drugs may affect amphetamine and dextroamphetamine. This includes prescription and over-the-counter medicines, vitamins, and herbal products. Not all possible [drug interactions](#) are listed here.

 [Amphetamine / dextroamphetamine drug interactions](#) (more detail)




Does amphetamine/dextroamphetamine interact with my other drugs?

Enter medications to view a detailed interaction report using our [Drug Interaction Checker](#).

+

Add

Popular FAQ

- How long does Adderall withdrawal last? 
- How do you get rid of Adderall tongue? 
- Adderall for Study: Does it Really Make You Smarter? 

Does Adderall have a laxative or constipating effect?



[View more FAQ...](#)

More about amphetamine / dextroamphetamine

- [Check interactions](#)
- [Compare alternatives](#)
- [Pricing & coupons](#)
- [Reviews \(1,177\)](#)
- [Drug images](#)
- [Latest FDA alerts \(4\)](#)
- [Side effects](#)
- [Dosage information](#)
- [Patient tips](#)
- [During pregnancy](#)
- [Support group](#)
- [Drug class: CNS stimulants](#)
- [En español](#)

Patient resources

- [Dextroamphetamine and amphetamine advanced reading](#)
- [Dextroamphetamine and Amphetamine Tablets](#)
- [Dextroamphetamine and Amphetamine Extended-Release Capsules \(Adderall XR\)](#)
- [Dextroamphetamine and Amphetamine Extended-Release Capsules \(Mydayis\)](#)

Other brands

[Adderall](#), [Adderall XR](#), [Mydayis](#)

Professional resources

- [Amphetamine monograph](#)
- [Dextroamphetamine Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate, Amphetamine Sulfate \(FDA\)](#)
- [Dextroamphetamine Saccharate, Amphetamine Aspartate, Dextroamphetamine Sulfate, Amphetamine Sulfate ER Capsules \(FDA\)](#)

Other brands

[Adderall](#), [Adderall XR](#), [Mydayis](#)

Related treatment guides

- [Narcolepsy](#)
- [Fatigue](#)
- [ADHD](#)

Further information

Remember, keep this and all other medicines out of the reach of children, never share your medicines with others, and use this medication only for the indication prescribed.

Always consult your healthcare provider to ensure the information displayed on this page applies to your personal circumstances.

[Medical Disclaimer](#)

Copyright 1996-2025 Cerner Multum, Inc. Version: 12.01.

DRUG STATUS

Availability

Rx Prescription only

[Pregnancy & Lactation](#)


 Risk data available

CSA Schedule*

2 High potential for abuse



Approval History

 Drug history at FDA



User Reviews & Ratings

6.9 / 10

[1,177 Reviews](#)

Images

[Amphetamine and Dextroamphetamine 30 mg \(b 974 3 0\)](#)



[View larger images](#)

Drugs.com Mobile App



Access drug & treatment information, identify pills, check interactions and set up personal medication records.



About

[About Drugs.com](#)

[Advertising policy](#)

[Attribution & citations](#)

Terms & privacy

[Terms of use](#)

[Editorial policy](#)

[Privacy policy](#)

Support

[Help center](#)

[Sitemap](#)

[Contact us](#)



[Subscribe to our newsletter](#) for the latest medication news, new drug approvals and FDA alerts.

Drugs.com provides accurate and independent information on more than 24,000 prescription drugs, over-the-counter medicines and natural products. This material is provided for educational purposes only and is not intended for medical advice, diagnosis or treatment. Data sources include Micromedex (updated 7 Apr 2025), Cerner Multum™ (updated 13 Apr 2025), ASHP (updated 10 Apr 2025) and others.



Ad Choices
ADVERTISEMENT



Copyright © 2000-2025 Drugs.com. All rights reserved.