

**Metadate CD®**

(methylphenidate HCl, USP) Extended-release Capsules

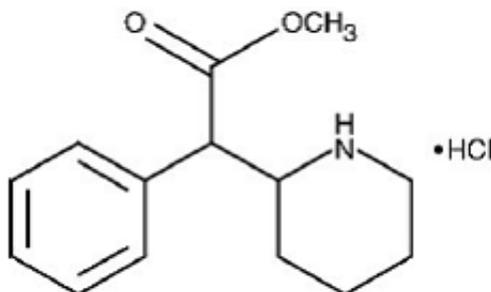
Metadate CD

- Patient Information:
Details with Side Effects

DRUG DESCRIPTION

METADATE CD is a central nervous system (CNS) stimulant. The extended-release capsules comprise both immediate-release (IR) and extended-release (ER) beads such that 30% of the dose is provided by the IR component and 70% of the dose is provided by the ER component. METADATE CD is available in six capsule strengths containing 10 mg (3 mg IR; 7 mg ER), 20 mg (6 mg IR; 14 mg ER), 30 mg (9 mg IR; 21 mg ER), 40 mg (12 mg IR; 28 mg ER), 50 mg (15 mg IR; 35 mg ER), or 60 mg (18 mg IR; 42 mg ER) of methylphenidate hydrochloride for oral administration.

Chemically, methylphenidate HCl is *d,l* (racemic)-*threo*-methyl α -phenyl-2-piperidineacetate hydrochloride. Its empirical formula is $C_{14}H_{19}NO_2 \cdot HCl$. Its structural formula is:



Methylphenidate HCl USP is a white, odorless, crystalline powder. Its solutions are acid to litmus. It is freely soluble in water and in methanol, soluble in alcohol, and slightly soluble in chloroform and in acetone. Its molecular weight is 269.77.

METADATE CD also contains the following inert ingredients: Sugar spheres, povidone, hydroxypropylmethylcellulose and polyethylene glycol, ethylcellulose aqueous dispersion, dibutyl sebacate, gelatin, and titanium dioxide.

The individual capsules contain the following color agents:

10 mg capsules: FD&C Blue No. 2, FDA/E172 Yellow Iron Oxide

20 mg capsules: FD&C Blue No. 2 30 mg capsules: FD&C Blue No. 2, FDA/E172 Red Iron Oxide

40 mg capsules: FDA/E172 Yellow Iron Oxide

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50 mg capsules: FD&C Blue No. 2, FDA/E172 Red Iron Oxide

What are the possible side effects of methylphenidate?

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

Stop taking methylphenidate and call your doctor at once if you have a serious side effect such as:

- fast, pounding, or uneven heartbeats;
- feeling like you might pass out;
- fever, sore throat, and headache with a severe blistering, peeling, and red skin rash;
- aggression, restlessness, hallucinations, unusual behavior, or motor tics (muscle twitches);
- easy bruising, purple spots on your...

[Read All Potential Side Effects and See Pictures of Metadate CD »](#)

What are the precautions when taking methylphenidate hydrochloride extended-release capsules (Metadate CD)?

Before taking methylphenidate, tell your doctor or pharmacist if you are allergic to it; or if you have any other allergies. This product may contain inactive ingredients, which can cause allergic reactions or other problems. Talk to your pharmacist for more details.

Before using this medication, tell your doctor or pharmacist your medical history, especially of: high blood pressure, glaucoma, heart problems (such as irregular heartbeat, heart failure, previous heart attack, problems with heart structure), family history of heart problems (such as sudden cardiac death, irregular heartbeat), mental/mood conditions (especially anxiety, tension, agitation), personal/family history of mental/mood disorders (such as bipolar disorder, depression, psychosis), personal/family history of...

[Read All Potential Precautions of Metadate CD »](#)

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This monograph has been modified to include the generic and brand name in many instances.

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