

Mexidol® tablets

Registration number:

ЛП-№(000086)-(РГ-РУ) [LP-№(000086)-(РГ-РУ)]

Trade name:

Mexidol®

International non-proprietary name (INN):

Mexidol (Emoxypine)

Dosage form:

Film-coated tablets

Composition per tablet:

Active ingredient: Ethylmethylhydroxypyridine succinate - 125 mg

Excipients: Lactose monohydrate, povidone K-30, magnesium stearate.

Film coating: Hypromellose, titanium dioxide, lactose monohydrate, macrogol, triacetin.

Description:

Round, biconvex film-coated tablets, white to off-white in color; characteristic odor may be present.

Pharmacological group:

Antioxidant

ATC code:

[N07XX]

Pharmacological properties:

Mechanism of action:

The mechanism of action is determined by its antioxidant, antihypoxic, and membrane-protective effects. It inhibits lipid peroxidation, increases superoxide dismutase activity, improves lipid-protein ratio, reduces membrane viscosity, and increases membrane fluidity. Mexidol® modulates membrane-bound enzyme activity (calcium-independent phosphodiesterase, adenylate cyclase, acetylcholinesterase) and receptor complexes (benzodiazepine, GABA, acetylcholine), enhancing their ligand-binding capacity.

Pharmacodynamic effects:

Mexidol® is a free radical process inhibitor and membrane protector with antihypoxic, stress-protective, nootropic, anticonvulsant, and anxiolytic effects. The drug increases organism resistance to various damaging factors (shock, hypoxia and ischemia, cerebral circulation disorders, alcohol and antipsychotic drug intoxication).

Pharmacokinetics:

ABSORPTION AND DISTRIBUTION:

Rapidly absorbed after oral administration. C_{max} at doses of 400-500 mg is 3.5-4.0 µg/ml. Mean retention time after oral administration is 4.9-5.2 hours.

METABOLISM:

Metabolized in the liver through glucuronide conjugation. Five metabolites identified.

ELIMINATION:

T_{1/2} after oral administration is 2-2.6 hours. Rapidly excreted in urine, mainly as metabolites with minor amounts unchanged. Most intensive excretion occurs within first 4 hours after administration.

Indications:

- Post-stroke conditions, including after TIA
- Mild traumatic brain injury and its consequences
- Various encephalopathies (circulatory, metabolic, post-traumatic, mixed)
- Autonomic dysfunction syndrome
- Mild cognitive disorders of atherosclerotic origin
- Anxiety disorders in neurotic conditions

- Coronary heart disease (as part of complex therapy)
- Alcohol withdrawal syndrome
- Antipsychotic drug intoxication
- Asthenic conditions
- Stress factors exposure
- ADHD in children (hyperactivity, attention deficit, impulsivity)

Dosage and administration:

Oral use with water.

ADULTS:

Recommended dose: 125-250 mg (1-2 tablets) 3 times daily

Maximum daily dose: 750 mg (6 tablets)

Treatment duration: 2-8 weeks; for alcohol withdrawal – 5-7 days

CHILDREN:

ADHD (6 years and older): 125 mg (1 tablet) twice daily for 6 weeks

Contraindications:

- Hypersensitivity to components
- Acute liver dysfunction
- Acute kidney dysfunction
- Children under 6 years
- Pregnancy
- Breastfeeding
- Lactose intolerance, lactase deficiency, glucose-galactose malabsorption

Side effects:

Frequency classification: Very rare (<0.01%)

Immune system: Angioedema, urticaria

Psychiatric: Drowsiness

Nervous system: Headache

Gastrointestinal: Dry mouth, nausea, epigastric pain/burning/discomfort, heartburn, flatulence, diarrhea

Skin and subcutaneous tissue: Rash, pruritus, hyperemia

Overdose:

Symptoms: Drowsiness, insomnia

Treatment: Generally not required due to low toxicity. Symptoms resolve spontaneously within 24 hours.

Drug interactions:

Compatible with medications used for somatic diseases

Enhances effects of benzodiazepines, antidepressants, anxiolytics, anticonvulsants, and antiparkinsonian drugs

Reduces ethanol toxic effects

Storage conditions:

Store at temperature not exceeding 25°C in a light-protected place

Keep out of reach of children

Shelf life:

3 years

Do not use after expiration date

Dispensing conditions:

Prescription only

This instructions translated from official manufacturer instructions in Russian by [Extrapharma online pharmacy](#)