L-METHYL-MC

Prescription Dietary Supplement

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NDC1 76439-207-90 lablets **L-METHYL-MC**

06-202-62792

L-METHYL-MC **Tablets** NDC[†] 76439-207-90 RX

Prescription Dietary Supplement

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DESCRIPTION: L-Methyl-MC is an orally administered prescription dietary supplement specifically formulated for the dietary management of patients with unique nutritional needs requiring increased folate levels.

L-Methyl-MC should be administered under the supervision of a licensed medical practitioner. Each round, coated, blue tablet contains the following dietary ingredients:

the following dietary ingredients:

Supplement Facts	Serving Size: 1 tablet	Servings Per Container: 90
Amount Per Serving		% Daily Value
L-Methylfolate Calcium", or 6(5)-5-MTHF-Co		
Riboflevin	5 mg	
Pyridexine (es Pyridexine HCI)	50 mg	
Cyanocabalamin	1 mg	

*contains less than 1% d-methylfolate

**Duily Values not astablished for patients with unit natritional needs who are in need of supplementation directed by a honesed medical practitionar.

Other Ingredients: Croscarmeliose Sodium, Dicalcium Phosphate, Magnesium Stearate, Microcrystalline Cellulose, Silicon Dioxide, Stearic Acid, and Film Coat (FDAC Blue #2 Lake, Hydroxypropy) Cellulose, Hypromeliose, Polyethylene Glycol, Propylene Glycol, and Thankon (Pioxed). Titanium Dioxide).

Ceiluiose, Hyporneliose, Polyetnylene Glycol, Propylene Glycol, and Titanium Dioxide).

FOLATE REGULATION: The term "folate" are B vitamins that include folic acid and any forms of active pteroylglutamates regardless of the reduction state of the molecule. Folates, or vitamin B₉, are primarily hydrolyzed in the intestinal jejunum and the liver to the active circulating form of folate, I-methyliolate, with an intermediate stable form, 5,10—methylenetetrahydrofolate. Individuals with genetic polymorphisms for the genes coding methylenetetrahydrofolate reductase (MTHFR) may not be capable of utilizing or metabolizing folic acid adequately for the vitamin B₁₂ dependent methylation cycle. Polic acid, including reduced forms* such as folinic acid, may obscure pernicious anemia above 0.1 mg doses, and must be administered under the supervision of a licensed medical practitioner. The 1971, 1972, 1973, 1980, 1984, 2000, and 2010 Federal Register Notices addressed this concern while establishing that increased folate was proper therapy in megaloblastic anemias – specifically where homocysteine levels were elevated or risk of neural tube defects (NTDs) was at issue. The Federal Register Notice of August 2, 1973 (38 FR 20750) specifically states that: Dietary supplement preparations are available without a prescription (21 CFR 121.1134). Levels higher than dietary supplement amounts are available only with a prescription.

**It is not known whether or not I-methylfolate can obscure pernicious anemia above 0.1 mg doses, so caution is advised also with this form of folate.

or rotate.

Folic acid - including reduced forms, may be added to medic undefined in section 5(b)(3) of the Orphan Drug Act (21 USC 360ee(b)(3)), or to food (21 CFR 172.345).

INDICATIONS AND USAGE:

L-Methyl-MC is indicated for the distinct nutritional requirements of patients in need of dietary supplementation as determined by a icensed medical practitions. L-Methyl-MC should be administered under the supervision of a

licensed medical practitioner.

CONTRAINDICATIONS: This product is contraindicated in patients with a known hypersensitivity to any of the ingredients.

WARNINGS: Caution is recommended in patients with a history of

PRECAUTIONS: General: Folate, when administered as a single agent FINEAU TOMES: General: Foliate, when administered as a single agent in doses about 0.1 mg daily, may obscure the detection of vitamin B12 deficiency (specifically, the administration of folic acid may reverse the hematological manifestations of B12 deficiency, including pernicious anemia, while not addressing the neurological manifestations). Folate therapy alone is inadequate for treatment of a vitamin B12 deficiency.

PATIENT INFORMATION: L-Methyl-MC is a prescription dietary supplement to be used only underlicensed medical supervision.

- PRUG INTERACTIONS: Drugs which may interact with folde include:
 Antlepleptic drugs (AED): The AED class including, but not limited to, phenytoin, carbamazepine, primidone, valproic acid, fosphenytoin, valproate, phenobarbital and lamortiqine have been shown to impair folde absorption and increase the metabolism of circulating folate.
 - meaburism or circulating totate.

 Additionally, concurrent use of folic acid has been associated with enhanced phenytoin metabolism, lowering the level of the AED in the blood and allowing breakthrough seizures to occur. Caution should be used when prescribing this product among patients who are receiving treatment with phenytoin and other auticonvulsants. anticonvulsants.

 • Capecitabine: Folinic acid (5-formyltetrahydrofolate) may
- increase the toxicity of Capecitabine.

 Cholestyramine: Reduces folc acid absorption and reduces
- serum folate levels
- Colestipol. Reduces folic acid absorption and reduces serum folate levels.
 Cycloserine: Reduces folic acid absorption and reduces serum
- Dihydrofolate Reductase Inhibitors (DHFRI): DHFRIs block the
- conversion of folic acid to its active forms, and lower plasma and red blood cell folate levels. DHFRIs include aminopterin, methotrexate, pyrimethamine, triamterene, and trimethoprim.

- · Fluoxetine: Fluoxetine exerts a noncompetitive inhibition of the
- 5-methyltetrahydrofolate active transport in the intestine.

 Isotretinoin: Reduced folate levels have occurred in some
- Isotremon: Reduced totale levels have occurred in some patients taking isotretion().
 L-dopa, triamterene, colchicine, and trimethoprim may decrease plasma folate levels.
 Monsteroidal Anti-infiammatory Drugs (NSAIDs): NSAIDs have been shown to inhibit some folate dependent enzymes in laboratory experiments. NSAIDs include ibuprofen, naproxen, instrumentaria and equilipation. indomethacin and sulindac.

- indomethacin and sulindac.

 Oral Contraceptives: Serum folate levels may be depressed by oral contraceptive therapy.

 Methylprednisolone: Reduced serum folate levels have been noted after treatment with methylprednisolone.

 Pancreatic Enzymes: Reduced serum folate levels have occurred in some patients taking pancreatic extracts, such a pancreatin and pancreatinase. and pancrelipase.
- and pancretipase.

 Pentamidine: Reduced folate levels have been seen with prolonged intravenous pentamidine.

 Pyrimethamine: High levels of folic acid may result in decreased serum levels of pyrimethamine.

 Smoking and Alcohol: Reduced serum folate levels have been noted.

 Suffasalazine: Inhibits the absorption and metabolism of folic acid.
- Metformin treatment in patients with type 2 diabetes decreases serum folate.
- serum totate.

 Warfarin can produce significant impairment in folate status after a 6-month therapy.

 Folinic acid may enhance the toxicity of fluorouracif.

 Concurrent administration of chloramphenicol and folinic acid in folate-deficient patients may result in antagonism of the beamstroneitie repropriet in folate.
- hazardoentein teather in a tragonism of the hazardoentein teathers to foliate.

 Caution should be exercised with the concomitant use of folinic acid and trimethoprim-sulfamethoxazole for the acute treatment of Pneumocysis cartili pneumonia in patients with HIV infection as it is associated with increased rates of treatment failure and mortality in a placebo controlled study.

Drugs which interact with vitamin B₆:

• Vitamin B₆ should not be given to patients receiving the drug levodopa because the action of levodopa is antagonized by vitamin B₆. However, vitamin B₆ may be used concurrently in patients receiving a preparation containing both carbidopa and levodopa.

- Drugs which may interact with vitamin B₁₂:

 Antibiotics, cholestyramine, colchicines, colestipol, metformin, para-aminosalicylic, and potassium chloride may decrease the absorption of vitamin B₁₂:

 Nitrous oxide can produce a functional vitamin B₁₂ deficiency.

PREGNANCY and NURSING MOTHERS
L-Methyl-MC is not intended for use as a prenatal/postnatal multivitamin for lactating and non-lactating mothers. This product contains B vitamins. Talk with your medical practitioner before using L-Methyl-MC if pregnant or lactating.

ADVERSE REACTIONS: Allergic sensitization has been reported following both oral and parental administration of folic acid, and may possibly occur with other forms of folate.

Paresthesia, somnolence, nausea, and headaches have been reported with vitamin $B_{\rm fi}$.

Mild transient diarrhea, polycythemia vera, itching, transitory exanthema and the feeling of swelling of the entire body have been associated with vitamin B₁₂.

If headaches occur with the use of this product, consult your medical practitioner.

DOSAGE AND ADMINISTRATION: Usual adult dose is one to two tablets daily or as prescribed by a licensed medical practitioner. L-Methyl-MC is not recommended for use in children under the age of twelve.

HOW SUPPLIED: L-Methyl-MC is supplied as round, coated, blue tablets debossed "BP" on top and "850" on bottom, dispensed in bottles of 90 tablets.

NDC[†]: 76439-207-90

† This product is a dietary supplement that due to increased folate I ris product is a dietary supplement that due to increased rotate levels (AUG. 2, 1973 38 FR 20750), requires an Fx on the label because of increased risk associated with masking of B₁₂ deficiency. As such, this product requires licensed medical supervision, an Rx status, and a National Drug Code (NDC) as required by pedigree reporting requirements.

STORAGE: Store at Controlled Room Temperature 15°-30°C (59°-86°F). [See USP]. Protect from light and moisture. Dispense in a tight, light-resistant container.

Call your medical practitioner about side effects. You may report side effects by calling (813)-283-1344.

KEEP THIS OUT OF THE REACH OF CHILDREN.

Prescription Dietary Supplement
All prescriptions using this product shall be pursuant to state statutes
as applicable. This is not an Orange Book product.

Manufactured for: Virtus Pharmaceuticals, LLC Tampa, FL 33619 MADE IN USA



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