

Q-late™

6S-5-Methyltetrahydrofolate

COMPOSITION

Q-late™ 400 Capsule: Each capsule contains 6S-5-Methyltetrahydrofolate 400 mcg.

DESCRIPTION

6S-5-Methyltetrahydrofolate is a water-soluble vitamin B, which functions as a co-enzyme or co-substrate in the synthesis of DNA and RNA and metabolism of amino acids. Deficiency is common during pregnancy which may lead to fetal malformations such as neural tube defects. Inadequate maternal folate status has also been associated with low infant birth weight, preterm delivery, and fetal growth retardation. Spina bifida and anencephaly are the most common neural tube defects (NTDs). Folic acid supplementation before conception and during the first trimester has been shown to reduce the recurrence of NTDs in women. Supplementation is used to treat megaloblastic anemia during pregnancy. 6S-5-Methyltetrahydrofolate is the fourth generation folate derivatives, a new generation of folic acid derivative made up of 6S-5-Methyltetrahydrofolate and glucosamine salt which is readily active and has added advantage of higher bioavailability, safety and stability.

INDICATION

6S-5-Methyltetrahydrofolate is indicated:

- During Pregnancy and Lactation
- For pregnant women to prevent neural tube defect in babies
- As a dietary supplement in adults and older people
- To prevent risk of spontaneous abortions
- In postmenopausal women to normalize homocysteine, contributing to helping hot flashes, cardiovascular and bone health of aging women
- Folate deficiency caused by some medicines (e.g. those used to treat epilepsy such as phenytoin, phenobarbital and primidone)
- Folate deficiency caused by long term red blood cell damage or kidney dialysis
- In Depression, Cognitive Impairment, Dementia and Alzheimer's disease

DOSAGE & ADMINISTRATION

1-2 Capsule(s) daily or as directed by the physician.

SIDE EFFECTS

6S-5-Methyltetrahydrofolate is generally well-tolerated by the body. Gastrointestinal disturbances and hypersensitivity reactions have been reported rarely. However, the administration of high doses can cause the following:

- Gastrointestinal disorders: Anorexia, diarrhea, nausea, abdominal distension, and flatulence.
- Hypersensitivity reactions: Allergic reactions, comprising erythema, rash, pruritus, urticaria, and anaphylactic reactions (including shock)

CONTRAINDICATION

6S-5-Methyltetrahydrofolate is contraindicated in patients with known hypersensitivity to any of the ingredients.

WARNING & PRECAUTIONS

Folic acid alone is inadequate therapy in the treatment of pernicious anemia and other megaloblastic anemias where Vitamin B12 is deficient. Folic acid in doses above 0.1 mg daily may obscure pernicious anemia in that hematologic remission can occur while neurological manifestations progress. While prescribing this nutritional supplement for pregnant women, nursing mothers or for women prior to conception, their medical condition and any drugs, herbs and/or supplements consumption should be considered.

DRUG INTERACTION

6S-5-Methyltetrahydrofolate may show possible drug interactions. Anticonvulsant action of phenytoin is antagonized by Folic Acid. Folate deficiency may result from increased loss of folate, as in renal dialysis and/or interference with metabolism (e.g., Folic Acid antagonists such as Methotrexate), the administration of anticonvulsants (such as diphenylhydantoin, primidone, and barbiturates), excess consumption of alcohol (especially alcoholic cirrhosis) and the administration of pyrimethamine and nitrofurantoin. Taking 6S-5-Methyltetrahydrofolate along with amiodarone might increase the chances of sunburn, blistering, or rashes on areas of skin exposed to sunlight. 6S-5-Methyltetrahydrofolate might increase the breakdown of phenobarbital leading to decreased effectiveness of phenobarbital.

USE IN PREGNANCY & LACTATION

Use in pregnancy is considered safely acceptable. Folic acid is actively secreted in breast milk. Supplementation in lactating women may be needed if poor nutritional habits lead to maternal deficiency and megaloblastic anemia. The American Academy of Pediatrics considers folic acid compatible with breast feeding.

OVERDOSAGE

No information available regarding the overdose of 6S-5-Methyltetrahydrofolate. However for folic acid, no special procedures or antidote are likely to be needed.

STORAGE CONDITION

Store at cool and dry place below 25°C away from direct sunlight & moisture. Keep the medicine out of the reach of children.

HOW SUPPLIED

Q-late™ 400 Capsule: Each box contains 10's capsules in Alu-Alu blister pack.

Manufactured by
SQUARE PHARMACEUTICALS PLC.
HERBAL DIVISION
BSCIC, Pabna, Bangladesh
www.squarepharma.com.bd

