



Cognizance of *Life*

In Neuro

METHOSAM

Ademetionine Enteric Coated Tablets 200 mg

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DESCRIPTION:

Each enteric coated tablet of Methosam contains Ademetionine-1, 4-Butanedisulfonate equivalent to Ademetionine Ion 200 mg. Ademetionine is a form of the amino acid methionine. It is also called S-adenosylmethionine or SAME, metabolically pleiotropic molecule that participates in multiple cellular reactions as the precursor for the synthesis of glutathione and principle methyl donor required for methylation of nucleic acids, phospholipids, histones, biogenic amines, and proteins.

INDICATION:

Alzheimer's Disease, Traumatic Brain Injury (TBI) and Neuro co-morbid medical conditions.

FEATURES:

- Decreased levels of S-adenosylmethionine (-67 to -85%) and its demethylated product S-adenosylhomocysteine (-56 to -79%) in all brain areas are observed suggesting the decreased S-adenosylmethionine levels in Alzheimer's disease.¹
- Mild and severe TBI cause significant reductions in plasma methionine levels. A decrease in the transmethylation product SAME is observed in TBI patients.²
- Mechanisms of TBI and Alzheimer's action of SAME may include methyl donation in neurotransmitter synthesis, antioxidative effects (radical scavenging, glutathione precursor), anti-inflammatory effects, and neuroprotective effects.

DOSAGE:

Recommended dose is 200 mg/day to 1600 mg/day orally or as directed by the physician.

STORAGE:

Store at a temperature not exceeding 25 °C.
Protect from light and moisture.

Reference : 1. Journal of Neurochemistry, sep 1996
2. Frontiers in Systems Neuroscience, April 2016



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