



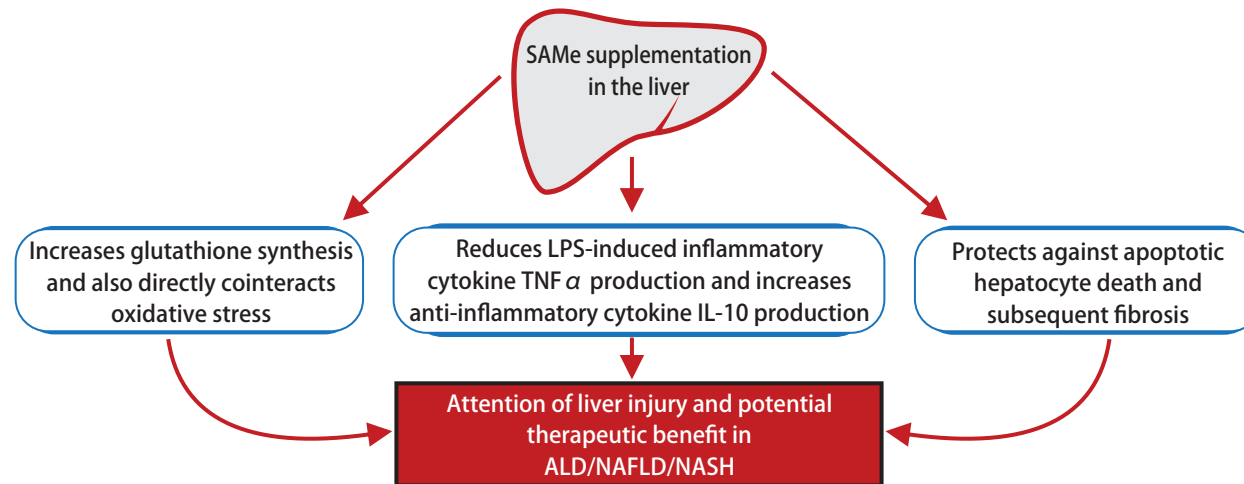
CIRROSAM

S-Adenosyl-L-Methionine 400 mg Tablets

La Renon

INTRODUCTION:

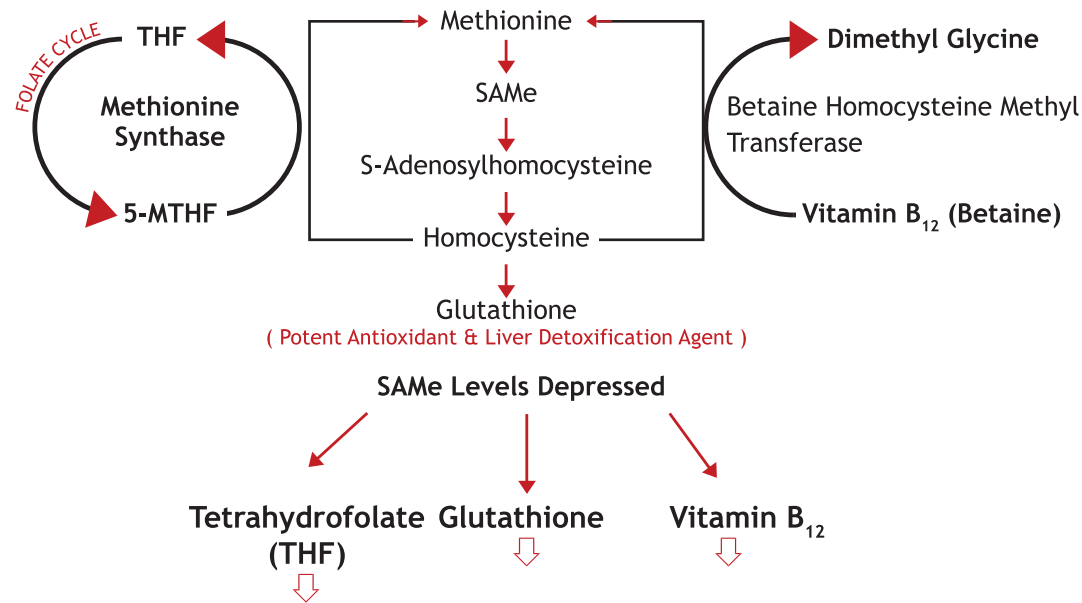
- S-Adenosyl-L-methionine (S-AdoMet) exerts many key functions in the liver, including serving as a precursor for cysteine, 1 of 3 amino acids of Glutathione—the major physiologic defence mechanism against oxidative stress.
- S-AdoMet is important for the metabolism of nucleic acids and for the structure and function of membranes and many other cellular constituents.
- S-AdoMet is the principal methyl donor for methyltransferase reactions that regulate gene expression and facilitates the generation of the antioxidant GSH from Homocysteine.
- S-AdoMet is also a key metabolite that regulates hepatocyte growth, death, and differentiation.¹
- Biosynthesis of S-AdoMet occurs in cells as the first step in methionine catabolism in a reaction catalyzed by methionine adenosyltransferase (MAT).¹
- Decreased hepatic S-AdoMet biosynthesis is a consequence of all forms of chronic liver injury.¹



WHY CIRROSAM?

- S-AdoMet exerted a protective effect on patients undergoing liver resection.¹
- S-AdoMet exert an important role in reversing hepatic glutathione depletion in patients with liver disease.²
- Long-term treatment with S-AdoMet (1200 mg/day, orally) improves survival or delay liver transplantation.³
- Safe for reducing the hepatic ischemia-reperfusion injury in partial hepatectomy.⁴
- S-AdoMet plays a crucial role in liver cells and especially for regulating the sensitivity of liver cells to various kinds of injuries.⁴
- S-AdoMet therapy provides a protective effect on residual liver function of HCC patients.⁴
- S-AdoMet exacerbates the harmful accumulation of methionine in liver cirrhosis.⁵

LIVER FUNCTIONING:



CLINICAL TRIALS OF SAME IN ALD:

Study	Number of Patients in CT	SAMe dose (g/d)	Duration of Therapy	Outcomes of CT
Altomare et al., 1988	18 inpatients with severe decompensated ALD; 17 outpatients with ALD	1.2 g/d po vs. placebo	4 wk or 6 mo	Significantly increased hepatic glutathione, cysteine, taurine and reduced methionine
Cibin et al., 1988	64 patients with alcohol dependence but not cirrhosis	200 mg/d im vs. placebo	30 d	Reduced anxiety, depression, gGT and alcohol consumption
Corrales et al., 1991	16 patients with ALD	1.2 g/d po vs. placebo	4 wk	Improved hepatic methionine handling
Diaz Belmont et al., 1996	45 alcoholic hepatitis patients	200 mg/d iv vs. placebo	15 d	Increased plasma glutathione
Mato et al., 1999	123 patients with ALD cirrhosis	1.2 g/d po vs. placebo	24 mo	SAMe improved survival and reduced liver transplantation in Child-Pugh A/B patients
Vendemiale et al., 1989	39 patients with ALD	No treatment vs. SAMe 1.2 g/day vs. placebo	24 wk	SAMe significantly increases total glutathione

Source: Journal of Hepatology 2012, vol. 57, j 1097-1109

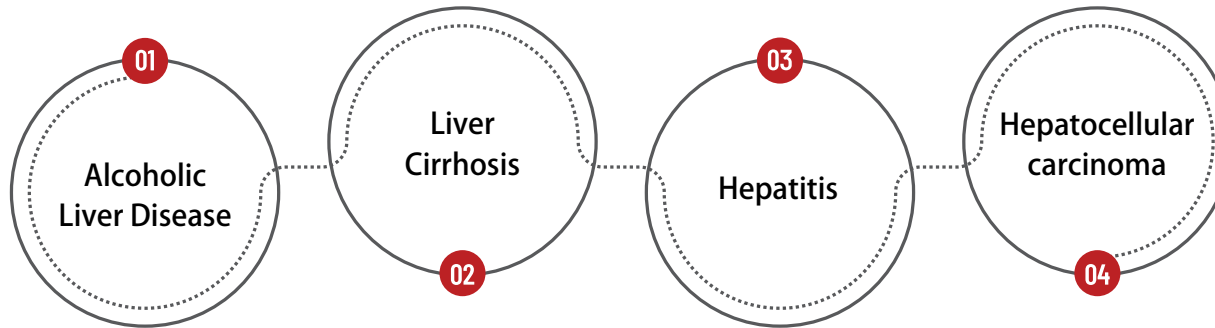
References:

- Hepatology; 45 (5): 1306-1312; 2007
- Scand J Gastroenterol; 24(4): 407-415; 1989
- Journal of Hepatology; 30(6): 1081-1089; 1999
- World Journal of Surgical Oncology; 12-27; 2014
- Journal of Hepatology; 57: 1097-1109; 2012

DESCRIPTION:

CIRROSAM tablets are formulation of S-Adenosyl L-Methionine, a pleiotropic molecule that is involved in multiple cellular reactions. This molecule participates in the following three types of reactions: transmethylation, transsulfuration and aminopropylation.

INDICATION:



MECHANISM OF ACTION:

SAMe is a natural substance present in the cells of the body. It is a direct metabolite of the essential amino acid L-methionine. SAMe plays a crucial biochemical role in the body by donating a one-carbon methyl group in a process called transmethylation.

SAMe, formed from the reaction of L-methionine and adenosine triphosphate catalyzed by the enzyme S-adenosylmethionine synthetase, is the methyl-group donor in the biosynthesis of both DNA and RNA nucleic acids, phospholipids, proteins, epinephrine, melatonin, creatine and other molecules.

DOSAGE:

The recommended dosage of CIRROSAM is 400 – 1200 mg per day by mouth in divided doses for minimum 6 months to enhance liver function or as directed by the healthcare professional.

PRESENTATION:

Cirrosam is available as a strip of 10 Tablets in a mono-carton.

STORAGE:

Store in cool and dry place. Protect from light and moisture.

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