

LYNSIDE® Pure SAME

- > S-Adenosyl-L-Methionine
- > Depression & emotional well-being
- > Liver & Joint health

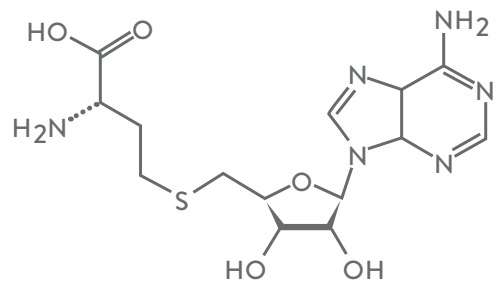


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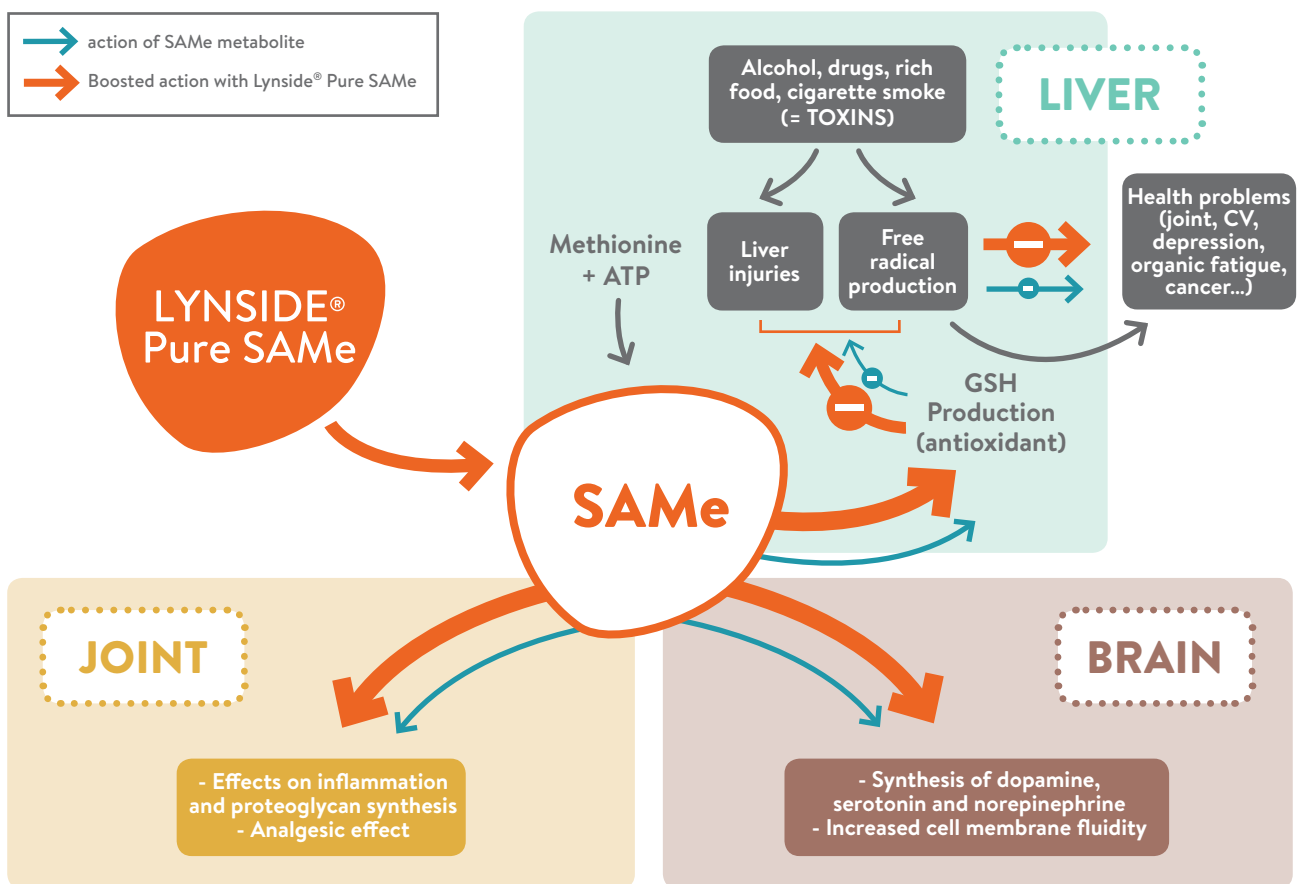
WHAT IS SAME ?

- Also known as S-Adenosyl-L-Methionine
- Essential metabolite naturally occurring in the body
- Discovered in Italy in 1952
- Highly studied molecule with several meta-analysis
- Effective for:
 - Joint health
 - Liver functions
 - Emotional well-being



ROLE OF SAME IN THE BODY

SAME plays central role in brain, liver and joint^(1, 2, 3, 4)



→ A lack of SAME level in the body may provoke damages in the liver, joint disorders and lead to troubles in emotional well-being such as depression

Lynside® Pure SAME

→ Helps to maintain S-Adenosyl-L-Methionine level in the metabolism and may contribute to a global health

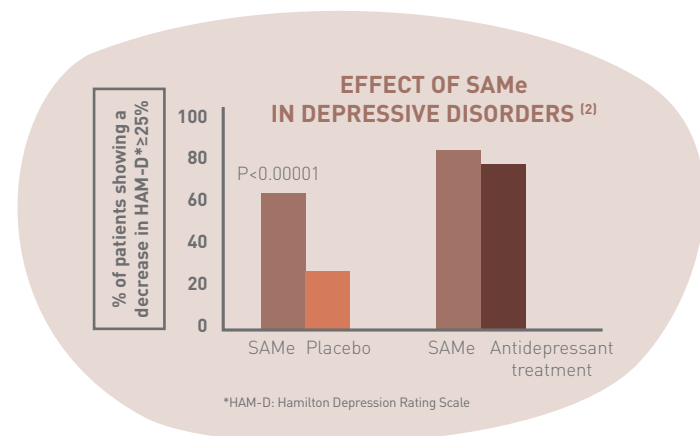
(1) G.L. Cantoni. S-Adenosylmethionine ; A New Intermediate Formed Enzymatically from L-Methionine and Adenosinetriphosphate. J. Biol. Chem. 1953; 204: 403-416
 (2) G.M. Bressa. S-Adenosyl-L-Methionine (SAME) as antidepressant: meta-analysis of clinical studies. Acta Neurol Scand. 1994; Supplement 154: 7-14
 (3) Vendemiale et al. Effects of oral S-Adenosyl-L-Methionine on Hepatic Glutathione in Patients with Liver disease. Scand j Gastroenterol. 1989; 24: 407-415
 (4) Carlo Di Padova. S-Adenosylmethionine in the Treatment of Osteoarthritis: Review of Clinical Studies. The American Journal of Medicine. 1987; 83(suppl 5A) : 60-65

LYNSIDE® PURE SAMe, THE POWER OF A NATURAL BODY METABOLITE SUPPORTING EMOTIONAL WELL-BEING, LIVER AND JOINT HEALTH

1. GOOD MOOD & EMOTIONAL WELL-BEING

→ Lynside® Pure SAMe is a natural solution to improve mood and emotional well-being

- Many treatments for depressive disorders exist and are often associated to side effects, noncompliance and nonadherence of patients^[2]
- SAMe may have a role in the synthesis of neurotransmitters or mood hormones like dopamine, serotonin & norepinephrine and may increase the rapidity of information transmission



It appears that the SAMe is as effective as an antidepressant treatment, and significantly better than placebo, with minimal side effects^[2,5]

3. JOINT HEALTH & MOBILITY

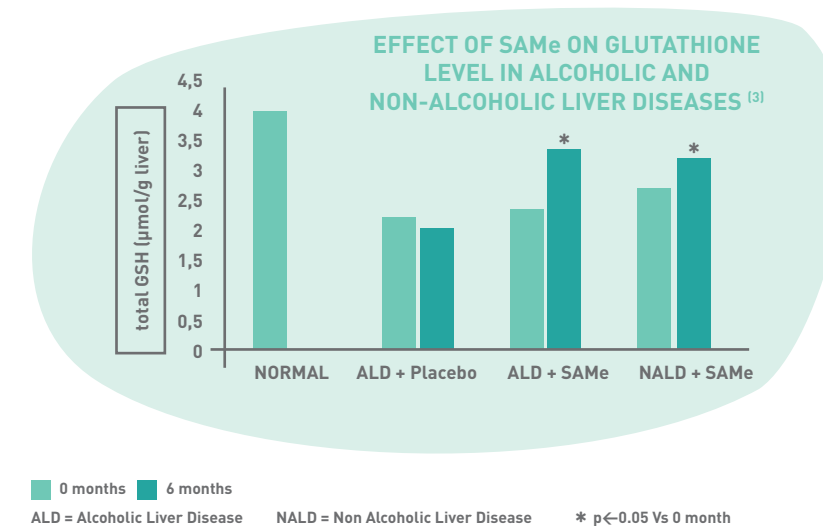
→ Lynside® Pure SAMe reduces joints pain & inflammation and may contribute to maintain mobility

- Osteoarthritis, the most common form of arthritis in the world, causes joint pain and inflammation
- SAMe exerts anti-inflammatory & analgesic effects, stimulates *in vitro* the proteoglycan synthesis and does not have any side effect on cartilage^[4]

2. LIVER HEALTH & TOXINS DETOXIFICATION^[3]

→ Lynside® Pure SAMe prevents GSH depletion and protects the liver against free radicals and toxins

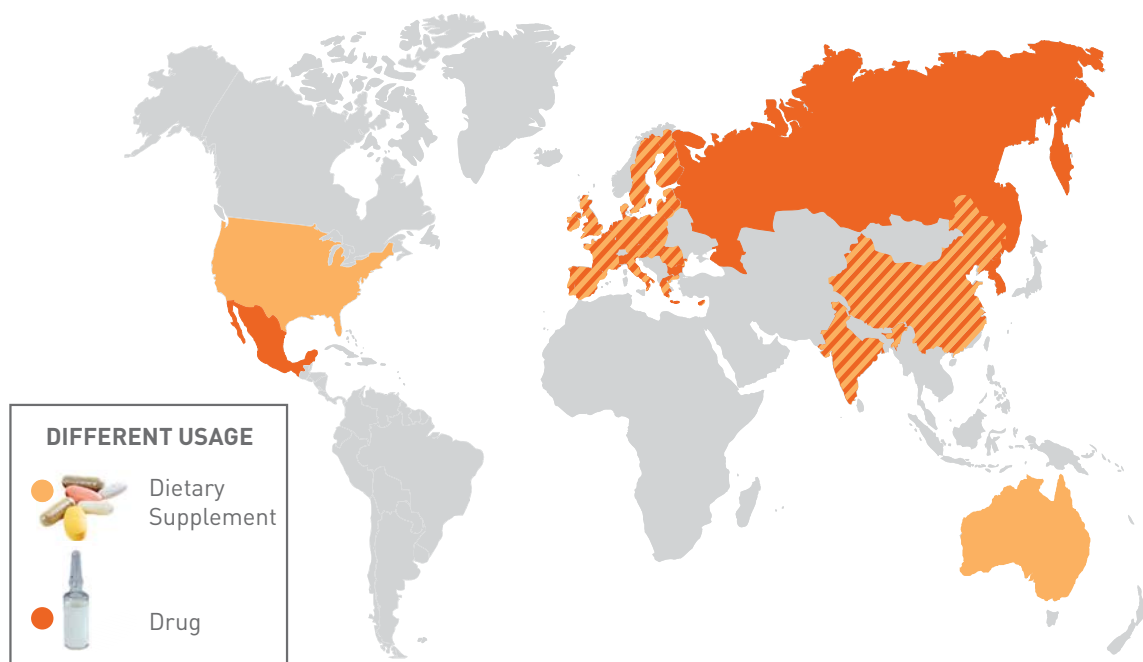
- In some liver diseases, the lack of Glutathione (GSH), a powerful antioxidant, leads to toxins and free radicals accumulation
- SAMe is essential for treating liver diseases, because it normalizes the GSH level



WHY SHOULD PEOPLE TAKE LYNSIDE® PURE SAMe

- SAMe is a natural molecule, presenting minimal side effects
- With aging, SAMe is produced in insufficient quantity in the body
- It has synergetic effects when taken combined with other supplements such as vitamin B6, B9 and B12
- It has several health benefits and may improve the global health & quality of life

LYNSIDE® PURE SAMe: ALREADY USED ALL AROUND THE WORLD

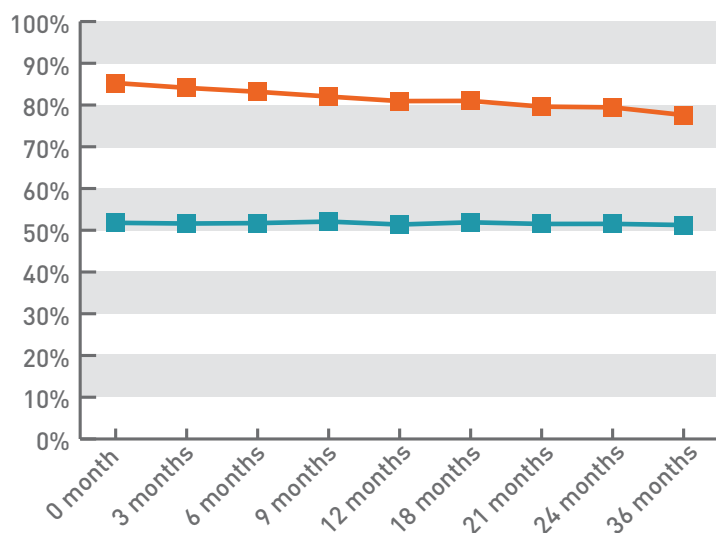


- Routinely prescribed in Europe for nearly 30 years, SAME has gained popularity in the US since its release as a dietary supplement in the late 90's
- International market of SAME in expansion



LYNSIDE® PURE SAMe STABILITY

A unique production process enabling a long shelf life



■ % of SAM ion purity (specif 49.4-54.6%)
■ % of S-S isomer in LYNDSIDE® Pure SAMe (specif Not Less Than 70%)

→ LYNDSIDE® Pure SAMe is stable for 3 years in its original packaging at 5±3°C

LYNSIDE® PURE SAME

MAIN FEATURES



ORIGIN

- > Natural product, extracted from yeast' *Saccharomyces cerevisiae*
- > Produced and purified in Italy by Omniabios for more than 10 years

MAIN BENEFITS

1. Improves mood and emotional well-being
2. Helps to maintain a healthy liver
3. Supports joint functions and mobility

SHELF LIFE

3 years in its original packaging at 5±3°C

QUALITY

- > DMF available
- > Pharmaceutical grade (API)

DIFFERENT SAME GRADES

ORAL FORM > DIETARY SUPPLEMENT AND DRUG USAGE

- > **Lynside® Pure SAME PTS :**
Stable SAME Disulfate P-toluensulfonate (Spray-dried or granulated)
- > **Lynside® Pure SAME SD4 :**
Stable SAME 1,4 Butandisulfonate (Spray-dried)

INJECTABLE FORM > STERILE FOR DRUG USAGE ONLY

- > **Lynside® Pure SAME SD4 Sterile :**
Stable SAME 1,4 Butandisulfonate (Freeze-dried, pyrogen free)

CAS NUMBER

PTS: 29908-03-0
SD4: 101020-79-5

RECOMMENDED DOSAGE

Daily doses of SAME vary depending on the country and the regulation

ABOUT LESAFFRE HUMAN CARE

Lesaffre Human Care, supported by 160 years of experience in biotechnology, offers ingredients to the Dietary supplements, Pharmaceutical and Functional Food businesses, with a wide variety of applications: Gut health (IBS, diarrhoea...), Immunity, vegetarian support, Well-being...

We supply: probiotic yeasts (*boulardii*, GI+) and bacteria (*B.subtilis*), nutritional yeasts (source of proteins, fibers, B complex vitamin), fortified yeasts (selenium, zinc, chromium...), yeast fractions (wall) and pure extracts (SAME).



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