

MEMODIOL®

Memory and learning are impaired by imbalanced diet consumption and during stress/fatigue/overload periods. High-fat / high-carbohydrate diet (HFCD) induces oxidative stress, which results in neuronal damage and interference with synaptic transmission; hence, a decline in cognitive function.

Prolonged stress and fatigue consume energies and reduce intellectual and memory functions required for example by managers and students in particular periods of their professional activity.

Antioxidant vitamins, such as vitamin E and vitamin D, are important for the brain tissue uptake⁽¹⁷⁾.

L-Acetylcarnitine is an aminoacid mainly used by the organism for cell energy production. It exerts a protective, nutrient and anti-oxidant action versus the brain cells. Evidences shows that L-Acetylcarnitine significantly improves learning-memory and spatial memory functions^(12, 13, 18).

Rhodiola rosea and *Melissa officinalis* extracts are helpful in case of memory deficit, psychological stress and depression and can lead to a significant improvement in perceptive and cognitive cerebral functions and learning and memory abilities.

MEMODIOL® is helpful to support normal mnemonic abilities in intense stress periods and cognitive impairment due to aging.

SOLUBLE TECHNOLOGY

Soluble formulations are solide immediate release forms that need to be dissolved in water with rapid stirring at the time of administration. They yield an oral solution or suspension depending on nutritional ingredient solubility.

- **Fast onset of action**
- **Large amount of nutritional ingredient**
- **High bioavailability**
- **Easy to manage than conventional liquids**
- **User friendly**
- **Solvent and alcohol free**

via Provina 2
38123 Trento (TN) - Italy
t. +39 0461 922818
fax +39 0461 922820
info@e-pharma.com

www.e-pharma.com



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FOOD SUPPLEMENT

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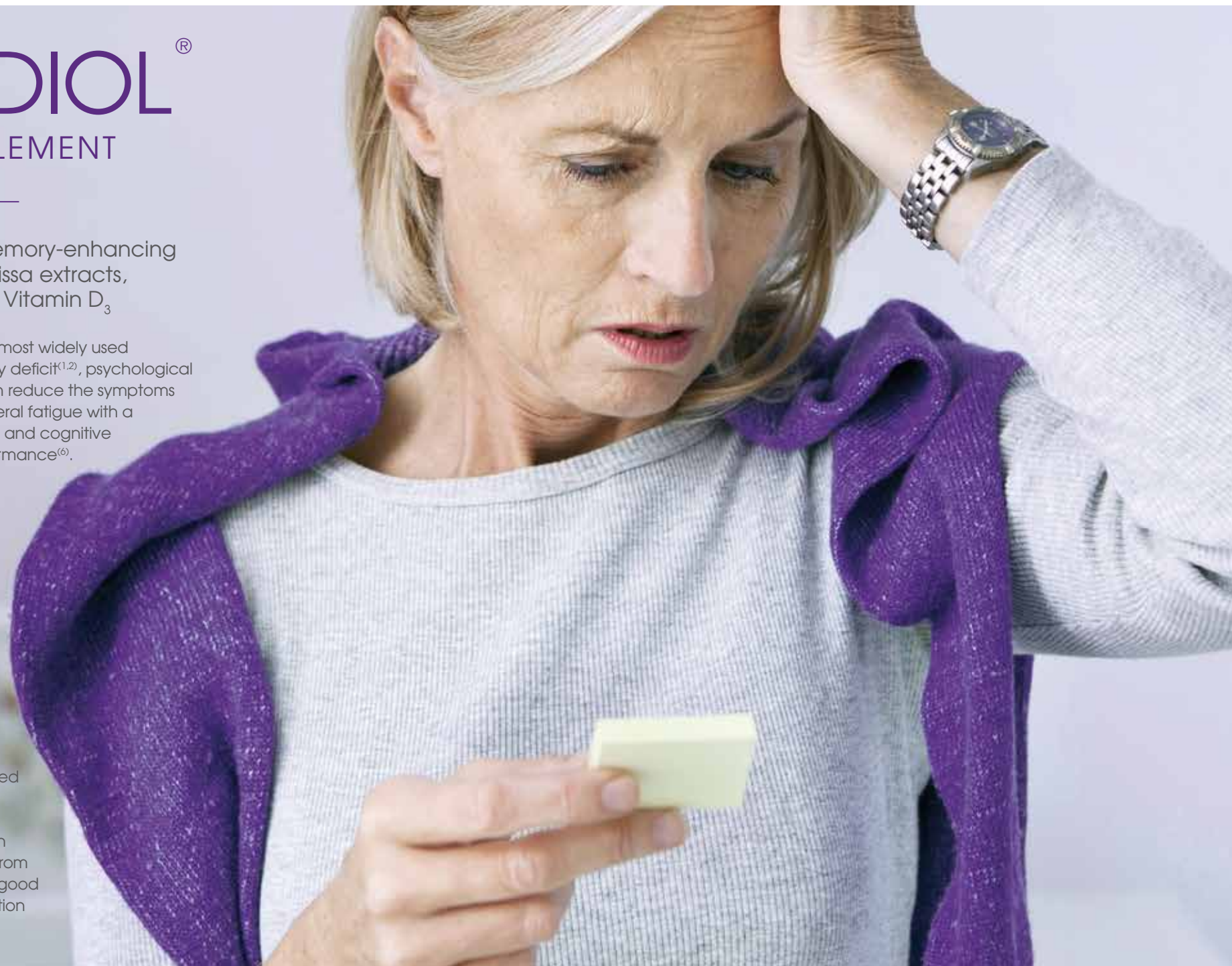
Food supplement for the memory-enhancing based on Rhodiola and Melissa extracts, L-Acetylcarnitine, Vitamin E, Vitamin D₃

Rhodiola rosea L. extract is one of the most widely used medicinal plant with effect on memory deficit^(1,2), psychological stress⁽³⁾ and depression⁽⁴⁾. Rhodiola can reduce the symptoms of memory loss, lack of attention, general fatigue with a significant improvement of perceptive and cognitive cerebral functions⁽⁵⁾ and mental performance⁽⁶⁾.

Melissa officinalis extract is an herbal medicine with memory-enhancing properties. Melissa improves memory performance⁽⁷⁾, memory and learning ability⁽⁸⁾, long term memory⁽⁹⁾ and delayed word recall⁽¹⁰⁾.

L-Acetylcarnitine is an aminoacid mainly used for energy production and exerts a protective, nutrient and anti-oxidant action versus brain cells⁽¹¹⁾. It is demonstrated that it improves learning-memory function⁽¹²⁾ and ameliorates experimentally induced spatial memory deficits⁽¹³⁾.

Vitamin E and Vitamin D₃ are essential in protecting the central nervous system from oxidative damage and in maintaining good physiological functions including cognition and memory^(14, 15, 16).



INDICATIONS

MEMODIOL® is a food supplement, available in soluble granules in sachet useful to support intellectual performance, in particular memory, attention and concentration during stress periods and age progression. It supports an intense mental activity due to tough study, work overload and mental strain, and it is also aimed to slow down the early physiologic mental deterioration.

HOW TO USE

1 sachet per day to be dissolved in a glass of water.

- GLUTEN FREE
- LACTOSE FREE
- PRESERVATIVES FREE

INGREDIENTS

	Content for sachet/stick	% RNV*
Rhodiola (<i>Rhodiola rosea</i> L., roots) extract, min. 3% rosavins, min. 1% salidroside	200 mg	-
Melissa (<i>Melissa officinalis</i> L., leaf) extract, min. 7% rosmarinic acid, min. 14% hydroxycinnamic acids	300 mg	-
L-Acetylcarnitine	250 mg	-
Vitamin E	12 mg	100%
Vitamin D ₃	10 µg	200%

(*) % Reference Nutrient Values

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Melissa officinalis L.



Rhodiola rosea L.