



Quatrefolic®

Online

Quatrefolic® has truly multiple features that make it advantageous to inhibit the onset of a variety of health problems.

1st issue 2018

Besides preventing neural tube defects (NTDs), anemia and cardiovascular disease, Quatrefolic® is also useful in case of Neuropsychiatric Disorders, and in particular it helps to limit the conversion from Mild Cognitive Impairment (MCI) to Dementia.

Being the metabolic active form of folate, Quatrefolic® maximizes the folate supplementation more than common folic acid, and is so rich in properties that it is being studied for new applications...

Go ahead and read all updates on Quatrefolic® to unveil latest discoveries!

Silvia Pisoni
Marketing Manager



Pills



MTHFR polymorphic enzyme and Pregnancy in 2018

Women with gene polymorphism of MTHFR enzyme need proper folate supplementation to reduce the higher risk associated to various congenital diseases and other adverse pregnancy outcomes.

Supplementation of folic acid in these women may have detrimental effect because the polymorphic enzyme has a reduced enzymatic activity - from 55% to 70% - to convert FA in the active folate, 5-MTHF.

Newer research in this area has focused on the preferable supplementation with 5-MTHF such as Quatrefolic® rather than folic acid to prevent folate-related disorders.

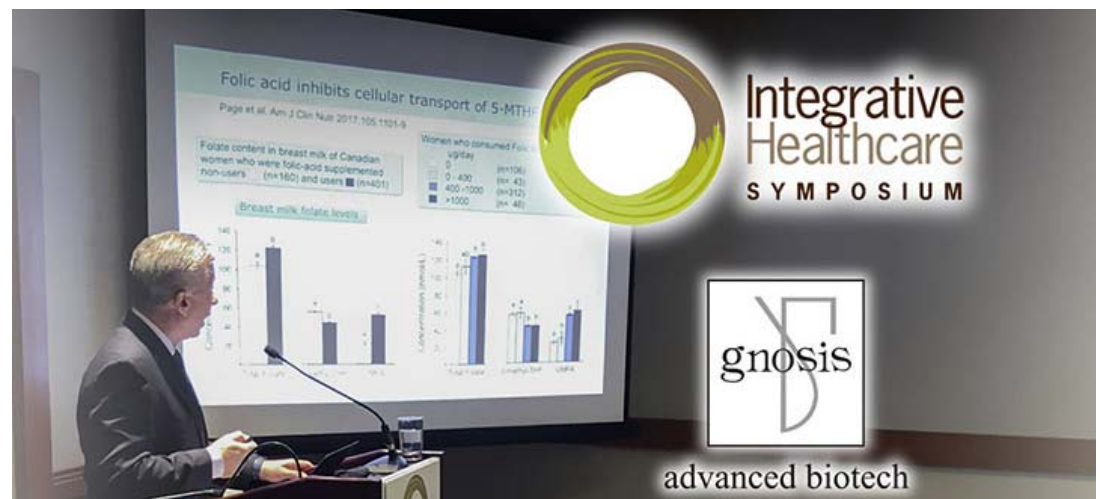


Great interest in Prof. Teodoro Bottiglieri's speech on folate and SAME at the IHS 2018

During the **Integrative Healthcare Symposium** held in New York on 22-24 February, Professor Teodoro Bottiglieri – director of the Center of Metabolomics at Baylor Research Institute in Texas – gave an interesting speech on *the Role of Folate and S-adenosylmethionine in Neuropsychiatric Disorders*, which drew the attention of a large public.

The event was actively attended by participants, thus confirming the great concern in this specific topic, and was an opportunity to reiterate the extraordinary features of **Quatrefolic®**, **the glucosamine salt of (6S)-5-methyltetrahydrofolate**, **structurally analogous to the reduced and active form of folate**, able to support and regulate the methylation cycle ensuring a higher folate uptake.

Prof. Bottiglieri, as a leading expert of One Carbon Metabolism, described symptoms and causes of folate deficiency and, supported by the results of several clinical trials, explained the essential role of B vitamins and methyl-group donors to reduce specific disease states and especially neurodegenerative disorders.



Folic acid inhibits cellular transport of 5-MTHF

Page et al. Am J Clin Nutr 2017; 106: 1101-9

Folate content in breast milk of Canadian women who were folic-acid supplemented non-users (n=160) and users (n=401)

Breast milk folate levels



Integrative
Healthcare
SYMPOSIUM



advanced biotech

Nutraceuticals Europe - Summit & Expo - an acclaimed success for all our products

The second edition of Nutraceuticals Europe - Summit & Expo, held in Madrid (Spain) last week, was an incredible occasion for Gnosis, which had the pleasure to attend the exhibition together with its partner Innovafood.

Besides meeting established clients, the event was an opportunity for Gnosis to know new European potential customers from the food and dietary supplements sectors, who showed particular interest in **Quatrefolic® as a real innovative and active ingredients.**



We are confident that everyone has been surprised by Gnosis innovative products and look forward to knowing the outcome of our next events: we are waiting for you, come to visit us and share your knowledge!

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This product is not intended to diagnose, treat, cure or prevent any disease.
This is a business-to-business information intended for food and supplement producers, and is not intended for the final consumer.
Manufacturers should check local regulatory status of any claims according to the intended use of their product.

Next events:

SupplySide EAST

Meadowlands,
Exposition Center
Secaucus, NJ, USA
April 10th - 11th
Booth # C135

Vitafoods Europe

Palexpo,
Geneva, Switzerland
May 15th - 17th
Booth # I40

CPhI china

Shanghai, China
June 20th - 22nd
Booth # E7E05

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