

Polyamines In Health And Nutrition

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Polyamines In Health And Nutrition

Polyamines and Health. Polyamines play an essential role in cell growth and proliferation, the stabilization of negative charges of DNA, RNA transcription, protein synthesis, the regulation of the immune response, apoptosis, the regulation of ion channels, particularly by blocking potassium channels, and as antioxidants (2, 4, 5, 7, 9-12).

Frontiers | Polyamines in Food | Nutrition

Polyamines in Health and Nutrition concentrates on the direction of polyamine research which has the capacity to influence and benefit our health and which can explain some of the discrepancies and failures of earlier research. It is important to recognize the dietary contribution to the polyamine body pool and to investigate how the polyamine content of the diet can be changed, with the ultimate aim of using this information to improve our health.

Polyamines in Health and Nutrition: 9780412822209 ...

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Polyamines in Health and Nutrition | Susan Bardocz | Springer

pc phones or tablets polyamines in health and nutrition concentrates on the direction of polyamine research which has the capacity to influence and benefit our health and polyamines are present in most food products of plant and animal origin thus having an impact on human nutrition and health in this topic we aimed to cover both basic and applied research on polyamines in the areas of plant

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polyamines in health and nutrition concentrates on the direction of polyamine research which has the capacity to influence and benefit our health and the polyamines spermine spermidine and putrescine are involved in various biological processes notably in cell proliferation and differentiation and also

Polyamines In Health And Nutrition [PDF]

Dietary polyamines have important implications in human health, mainly in the intestinal maturation and in the differentiation and development of immune system. The antioxidant and anti-inflammatory effect of polyamine can also play an important role in the prevention of chronic diseases such as cardiovascular diseases.

Polyamines in Food - PubMed

Classically, polyamines is a family of molecules (i.e. putrescine, spermine, spermidine) derived from ornithine according to a decarboxylation/condensative process. More recently, it has been demonstrated that arginine can be metabolised according to the same pathway leading to agmatine formation. Polyamines are essential for the growth, the maintenance and the function of normal cells.

Polyamines: Metabolism and Implications in Human Diseases ...

Background: Knowing the levels of polyamines (putrescine, spermidine, and spermine) in different foods is of interest due to the association of these bioactive nutrients to health and diseases....

(PDF) Polyamines in foods: Development of a food database

Insufficient polyamine intake could play a role in the induction of sensitization to dietary allergens. This proposal is based essentially on investigations made in suckling rats and in children. In suckling rats it has been established that oral administration of spermine can induce all the modifications occurring in the digestive tract at weaning.

Are milk polyamines preventive agents against food allergy ...

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Polyamines in Health and Nutrition book by Susan Bardocz ...

Polyamines are aliphatic amines of low molecular weight, derived from the decarboxylation of the amino acids arginine and ornithine. In plants the main polyamines are putrescine, spermidine, and spermine. Polyamines are mainly found in meristematic and growing tissues.

Polyamine - an overview | ScienceDirect Topics

Nonetheless, dietary polyamines have been thought to support metabolism maintaining optimal health. For instance, they have a potential role in growth and development of digestive system . Intracellular production of polyamines and their concentration in tissues and organs decreases with aging.

A Cross-Sectional Study: Nutritional Polyamines in ...

Polyamines are small polycations derived from arginine and/or ornithine. These compounds are present in all living organisms and play common and organism-specific functions. Polyamines are present in most food products of plant and animal origin, thus having an impact on human nutrition and health. In this Topic, we aimed to cover both basic and applied research on polyamines in the areas of plant biotechnology, food nutrition, and human health.

Frontiers | Editorial: Polyamines in Plant Biotechnology ...

Polyamines and parasitic diseases Another area of human health where polyamine anti-metabolites have proved to be useful is in the treatment of parasitic diseases such as trypanosomiasis or...

(PDF) Polyamines in human health

Polyamines are highly regulated polycations which are essentially involved in cell growth and differentiation. Polyamines in food significantly contribute to the polyamine body pool. Dietary polyamines exert various direct and indirect trophic effects on the rat's immature intestine and play an important role during intestinal maturation.

Polyamines in human and animal milk | British Journal of ...

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This article was medically reviewed by Samantha Cassetty, MS, RD, nutrition and wellness expert with a private practice based in New York City. Visit Insider's Health Reference library for more ...

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